

**California State University**  
**Los Angeles**

**Catalog**  
**2011-2012**

## University Catalog 2011-2012

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### California State University, Los Angeles

5151 State University Drive  
Los Angeles, California 90032  
www.calstatela.edu  
(323) 343-3000



**Cal State L.A. is committed to student-centered learning, free scholarly inquiry, and academic excellence within a diverse community.**

In addition to meeting fully its obligations under federal and state law, Cal State L.A. is committed to creating a community in which a diverse population can live, work and learn in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual. To that end, all qualified individuals will receive equal consideration without regard to economic status, race, ethnicity, color religion, national origin or cultural background, political views, sexual orientation, or other personal characteristics or beliefs.

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## Greetings from the President

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Since 1947, generations from a multitude of backgrounds have had their lives transformed at California State University, Los Angeles. Now, your time has arrived: it is your turn to make your experience in higher education into all that you hoped it might be so that you are well prepared to follow your life's plans.

California—particularly Southern California—represents one of the world's most powerful economies. Students at Cal State L.A. have the advantage of learning in a diverse environment that is at the heart of this dynamic, changing marketplace. We are proud of the professional, social and economic doors we have helped open for the students, alumni, faculty, staff, administrators and friends who have been a part of Cal State L.A.'s far-reaching communities.

Today, as always, Cal State L.A. provides world class academic excellence, community service, and partnerships toward learning. Your part in gaining the most from your experience at Cal State L.A. is to become involved in not only your education, but in Cal State L.A.'s organizations, programs and cultural activities that will further enrich your educational experience.

The faculty, staff and administration of Cal State L.A. are here to help you take your place in, add your knowledge to, and give back toward helping improve our rapidly changing world. I look forward to witnessing the many successes to come from you, our students, as well as future Cal State L.A. alumni.

James M. Rosser  
President



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## Distinguished Alumni

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### Alma mater of 220,000 alumni ... contributing to the future of Los Angeles and the world, including:

**Billie Jean King** – International all-time tennis great, winner of 20 Wimbledon titles

**James A. Bell** – Executive VP of finance, Boeing Company

**Thomas V. McKernan, Jr.** – President and CEO of the Automobile Club of Southern California

**Lee Baca** – Sheriff of Los Angeles County

**Frank Romero** – Muralist, artist

**Leana S. Wen, M.D.** – 2007 Rhodes Scholar

**Steve Cooley** – Los Angeles District Attorney

**Art Leahy** – CEO of LA Metro

**Michael Antonovich** – Member, Los Angeles County Board of Supervisors

**Lillian Kawasaki** – Scientist, member Water Replenishment District

**Edward James Olmos** – Actor, filmmaker

**Pervaiz Lodhie** – Founder, CEO of Ledtronics

**Marshall Geller** – Investment banker, senior managing partner, St. Cloud Capital LLC

**Samuel Durrance** – NASA astronaut (Columbia and Endeavour), astrophysicist and educator

**Terrence J. Roberts** – Psychologist

**Felix Gutierrez** – USC professor

**Kent Twitchell** – Muralist, artist

**Mike Ten** – City Council, South Pasadena

**Alan J. Fohrer** – Chairman and CEO, Southern California Edison

**John Huerta** – General Counsel, Smithsonian

**Joseph Wambaugh** – Novelist and bestselling author

**Mary Micucci** – Owner and President of Along Came Mary, event production and gourmet catering source

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As a graduate of Cal State L.A., you're in distinguished company. Noted authors, athletes, artists, CEOs, educators, engineers, health care leaders, scientists, policy makers and innovators in many other fields got their start here too! [www.alumni.calstatela.edu](http://www.alumni.calstatela.edu)

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## Directories

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## Index of Academic Degrees, Certificates and Programs Listed Alphabetically

- Accountancy, M.S.
- Accounting Minor
- Adapted Physical Education Specialist Credential
- African American Studies, B.A.
- Anthropology Minor
- Anthropology, B.A.
- Anthropology, M.A.
- Applied Gerontology, Undergraduate, Certificate
- Art Credential Program
- Art Minor
- Art, B.A.
- Art, M.A.
- Art, M.F.A.
- Asian and Asian American Studies, B.A.
- Asian Studies Minor
- Aviation Administration, B.S.
- Bachelor of Science Degree in Geology (180 units)
- Basic Business Minor
- Biochemistry, B.S.
- Biological Sciences Credential Program
- Biology Minor
- Biology, B.S.
- Biology, M.S.
- Business Administration, B.S.
- Business Administration, M.B.A.
- Business Administration, M.S.
- Business Administration: Option in Accounting, B.S.
- Business Administration: Option in Business Arts–Prelegal, B.S.
- Business Administration: Option in Business Economics, B.S.
- Business Administration: Option in Entrepreneurship, B.S.
- Business Administration: Option in Finance, B.S.
- Business Administration: Option in Finance, M.S.
- Business Administration: Option in Human Resources Management, B.S.
- Business Administration: Option in International Business, B.S.
- Business Administration: Option in International Business, M.S.
- Business Administration: Option in Management, B.S.
- Business Administration: Option in Management, M.S.
- Business Administration: Option in Marketing Management, B.S.
- Business Administration: Option in Marketing, M.S.
- Business Administration: Option in Operations Management, B.S.

- Business Administration: Option in Real Estate , B.S.
- Business Administration: Option in Retailing, B.S.
- Business Administration: Option in Special Business, B.S.
- California Reading Certificate
- Central American Studies Minor
- Central American Studies Minor
- Certificate Program in Food Science
- Certificate Program in Teaching Writing
- Certificate Program: Community Nutrition
- Chemistry and Biochemistry Credential Program
- Chemistry Credential Program
- Chemistry, B.A.
- Chemistry, B.S.
- Chemistry, M.S.
- Chicano Studies Minor
- Child Development Minor
- Child Development, B.A.
- Child Development, M.A.
- Chinese Minor
- Chinese, B.A.
- Civil Engineering, B.S.
- Civil Engineering, Integrated B.S. / M.S.
- Civil Engineering, M.S.
- Classics Minor
- CLEAR Administrative Services Credential
- Clinical Rehabilitative Services Credential in Language, Speech, and Hearing
- Clinical-Rehabilitative Services Credential in Audiology
- Communication Minor
- Communication Studies, M.A.
- Communication, B.A.
- Communicative Disorders, B.A.
- Communicative Disorders, M.A.
- Comparative Linguistics Interdisciplinary Minor
- Computer Information Systems Minor
- Computer Information Systems, B.S.
- Computer Science Minor
- Computer Science, B.S.
- Computer Science, Integrated B.S./M.S.
- Computer Science, M.S.
- Counseling, M.S.
- Creative Writing Minor
- Credit Certificate Programs
- Criminal Justice Minor
- Criminal Justice, B.S.
- Criminal Justice, M.S.
- Criminalistics, M.S.
- Doctor of Education (Ed.D.) in Educational Leadership Specialization in PreK-12 Leadership
- Doctor of Philosophy in Special Education
- Early Childhood Special Education: Infancy Emphasis Certificate
- Early Childhood Special Education: Preschool Emphasis Certificate
- Early Childhood Special Education: Transition Specialist Certificate

- Economics Minor
- Economics, B.A.
- Economics, M.A.
- Education Specialist Credential Programs
- Education, M.A.
- Education: Option in Mathematics and Science Teaching, M.A.
- Education: Option in Bilingual/Multicultural Education in the Urban Classroom, M.A.
- Education: Option in Creative Literacies and Literature in the Elementary Classroom, M.A.
- Education: Option in Curriculum and Instruction in the Urban School, M.A.
- Education: Option in Early Childhood/Primary Education, M.A.
- Education: Option in Educational Foundations, M.A.
- Education: Option in Mathematics Education in the Elementary Classroom, M.A.
- Education: Option in Middle and Secondary Curriculum and Instruction, M.A.
- Education: Option in New Media Design and Production, M.A. (suspended program)
- Education: Option in Reading, M.A.
- Education: Option in Research and Evaluation, M.A. (suspended program)
- Education: Option in Science Education, M.A.
- Educational Administration, M.A.
- Electrical Engineering, B.S.
- Electrical Engineering, Integrated B.S. / M.S.
- Electrical Engineering, M.S.
- Elementary Teaching Multiple Subject Credential
- Engineering with Special Options, B.S.
- English Minor
- English, B.A.
- English, M.A.
- Environmental Science, M.S.
- Exercise Science, B.S.
- Finance Minor
- Fire Protection Administration and Technology, B.S.
- Food Science and Technology, B.S.
- Forensic Science Minor
- French Minor
- French, B.A.
- French, M.A.
- Geography Minor
- Geography, B.A.
- Geography, M.A.
- Geological Sciences Credential Program
- Geological Sciences, M.S.
- Geology Sciences Minor
- Graduate Certificate Program in Advanced Information Systems
- Graduate Certificate Program in Applied Behavior Analysis in Educational Settings
- Graduate Certificate Program in Applied Gerontology
- Graduate Certificate Program in Autism
- Graduate Certificate Program in Biotechnology
- Graduate Certificate Program in Career Counseling
- Graduate Certificate Program in Computer Applications in Schools
- Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL)
- Graduate Certificate Program in Storytelling
- Graduate Certificate Program in Teaching Critical Thinking



- Graphic Communications, B.S.
- Health Care Management, M.S.
- Health Science Credential Program
- Health Science Minor
- Health Science, B.S.
- Health Science, M.A.
- Health Services Credential: School Nurse Services
- History Minor
- History Teaching Credential Program
- History, B.A.
- History, M.A.
- Industrial and Technical Studies, M.A.
- Industrial Studies Minor
- Industrial Technology Credential Program
- Industrial Technology, B.S.
- Information Systems, M.S.
- Interdisciplinary Information Technology (IT) Minor
- Interdisciplinary Studies Master's Degree MA or MS
- Interdisciplinary Studies Minor in Multimedia
- Japanese Minor
- Japanese, B.A.
- Kinesiology Credential Program
- Kinesiology, B.S.
- Kinesiology, M.S.
- Labor and Working Class Studies Minor
- Latin American Studies, M.A.
- Latin-American Studies Minor
- Latin-American Studies, B.A.
- Law and Society Minor
- Liberal Studies, B.A.
- Management Minor
- Mathematics Minor
- Mathematics, B.A.
- Mathematics, B.S.
- Mathematics, M.S.
- Mechanical Engineering, B.S.
- Mechanical Engineering, Integrated B.S./M.S.
- Mechanical Engineering, M.S.
- Mesoamerican Studies Minor
- Mexican American Studies Credential Program
- Mexican-American Studies, B.A.
- Mexican-American Studies, M.A.
- Microbiology Minor
- Microbiology, B.S.
- Minor in Bioinformatics and Computational Biology (BINF)
- Minor in Developmental Disabilities
- Modern Languages and Literatures Credential Program
- Music Credential Program
- Music Minor
- Music, B.A.
- Music, BMus

- Music, M.A.
- Music, MM
- Natural Science Credential Program
- Natural Science Subject Matter Program
- Natural Science, B.S.
- Nursing, B.S.
- Nursing, M.S.
- Nutritional Science, B.S.
- Nutritional Science, M.S.
- Option in Educational Technology and Leadership (45 units)
- Pan-African Studies Minor
- Philosophy General Minor
- Philosophy Prelaw Minor
- Philosophy, B.A.
- Philosophy, M.A.
- Physics Minor
- Physics, B.A.
- Physics, B.S.
- Physics, M.S.
- Political Science General Minor
- Political Science Global Politics Minor
- Political Science Prelegal Studies Minor
- Political Science Public Administration Minor
- Political Science, B.A.
- Political Science, M.A.
- Post Master's Certificate in Acute Care Nurse Practitioner (ACNP): Adult Specialty
- Post Master's Certificate in Adult Nurse Practitioner Speciality (ANP)
- Post Master's Certificate in Family Nurse Practitioner (FNP)
- Post Master's Certificate in Nurse Practitioner: Psychiatric/Mental Health
- Post Master's Certificate in Nursing Education
- Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality
- Post-Baccalaureate Certificate in Business Management
- Post-Baccalaureate Certificate in Speech-Language Pathology (Master's Preparation)
- Post-Baccalaureate Certificate Program for Pre-Health Professionals
- Post-Master's Certificate for Nursing Administration
- Post-Master's Certificate for Psychiatric/Mental Health Clinical Nurse Specialist
- Postsecondary Reading Certificate Program
- Preliminary Administrative Services Credential
- Psychology Minor
- Psychology, B.A.
- Psychology, M.A.
- Psychology, M.S.
- Public Administration, M.S.
- Pupil Personnel Services Credential
- Reading and Language Arts Specialist Credential
- Rehabilitation Services Minor
- Rehabilitation Services, B.S.
- Religious Studies Minor
- Science, Technology, and Medicine Studies Minor
- Secondary Teaching Single Subject Credential
- Single Subject Credential in Science

- Single Subject Credential in Secondary Teaching
- Social Gerontology Minor
- Social Work, MSW
- Sociology Minor
- Sociology, B.A.
- Sociology, M.A.
- Spanish Minor
- Spanish, B.A.
- Spanish, M.A.
- Special Education, M.A.
- Subject Matter Waiver Programs in Mathematics
- Subject Waiver for the Single Subject Credential in Social Sciences
- Teaching English to Speakers of Other Languages (TESOL), M.A.
- Television, Film and Media Studies, B.A.
- Television, Film and Theatre, M.F.A.
- Television, Film and Theatre, M.F.A.
- The Credential Program
- Theatre Arts and Dance Credential Program
- Theatre Arts and Dance Minor
- Theatre Arts and Dance, B.A.
- Theatre Arts, M.A.
- Undergraduate Certificate Program in Accounting
- Undergraduate Certificate Program in Alternative Nutrition
- Undergraduate Certificate Program in Applied Gerontology
- Undergraduate Certificate Program in Child Maltreatment and Family Violence
- Undergraduate Certificate Program in Commercial Transportation
- Undergraduate Certificate Program in Computer Programming
- Undergraduate Certificate Program in Entrepreneurship
- Undergraduate Certificate Program in Fashion Design
- Undergraduate Certificate Program in Fashion Merchandising
- Undergraduate Certificate Program in Finance
- Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction
- Undergraduate Certificate Program in Fire Service Administration
- Undergraduate Certificate Program in Food Safety
- Undergraduate Certificate Program in General Management
- Undergraduate Certificate Program in Geographic Information Systems
- Undergraduate Certificate Program in Human Resource Management
- Undergraduate Certificate Program in Intercultural Proficiency
- Undergraduate Certificate Program in International Business
- Undergraduate Certificate Program in International Business Communication
- Undergraduate Certificate Program in International Economic Relations
- Undergraduate Certificate Program in Korean
- Undergraduate Certificate Program in Labor Relations
- Undergraduate Certificate Program in Marketing
- Undergraduate Certificate Program in Operations Management
- Undergraduate Certificate Program in Retail Professional Development
- Undergraduate Certificate Program in School Audiometrist
- Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems
- Undergraduate Certificate Program in Sports Nutrition
- Undergraduate Certificate Program in Women, Genders, and Sexualities
- Undergraduate Certificate Program in Youth Agency Administration

- Urban Learning, B.A.
- Women's and Gender Studies Minor

# Index of Academic Degrees, Certificates and Programs Listed by Degree

## Bachelor of Arts

- African American Studies, B.A.
- Anthropology, B.A.
- Art, B.A.
- Asian and Asian American Studies, B.A.
- Chemistry, B.A.
- Child Development, B.A.
- Chinese, B.A.
- Communication, B.A.
- Communicative Disorders, B.A.
- Economics, B.A.
- English, B.A.
- French, B.A.
- Geography, B.A.
- History, B.A.
- Japanese, B.A.
- Latin-American Studies, B.A.
- Liberal Studies, B.A.
- Mathematics, B.A.
- Mexican-American Studies, B.A.
- Music, B.A.
- Philosophy, B.A.
- Physics, B.A.
- Political Science, B.A.
- Psychology, B.A.
- Sociology, B.A.
- Spanish, B.A.
- Television, Film and Media Studies, B.A.
- Theatre Arts and Dance, B.A.
- Urban Learning, B.A.

## Bachelor of Science

- Aviation Administration, B.S.
- Bachelor of Science Degree in Geology (180 units)
- Biochemistry, B.S.
- Biology, B.S.
- Business Administration, B.S.
- Business Administration: Option in Accounting, B.S.
- Business Administration: Option in Business Arts–Prelegal, B.S.
- Business Administration: Option in Business Economics, B.S.
- Business Administration: Option in Entrepreneurship, B.S.
- Business Administration: Option in Finance, B.S.
- Business Administration: Option in Human Resources Management, B.S.
- Business Administration: Option in International Business, B.S.
- Business Administration: Option in Management, B.S.
- Business Administration: Option in Marketing Management, B.S.
- Business Administration: Option in Operations Management, B.S.
- Business Administration: Option in Real Estate , B.S.
- Business Administration: Option in Retailing, B.S.
- Business Administration: Option in Special Business, B.S.
- Chemistry, B.S.
- Civil Engineering, B.S.
- Computer Information Systems, B.S.

- Computer Science, B.S.
- Criminal Justice, B.S.
- Electrical Engineering, B.S.
- Engineering with Special Options, B.S.
- Exercise Science, B.S.
- Fire Protection Administration and Technology, B.S.
- Food Science and Technology, B.S.
- Geological Sciences, M.S.
- Graphic Communications, B.S.
- Health Science, B.S.
- Industrial Technology, B.S.
- Kinesiology, B.S.
- Mathematics, B.S.
- Mechanical Engineering, B.S.
- Microbiology, B.S.
- Natural Science, B.S.
- Nursing, B.S.
- Nutritional Science, B.S.
- Physics, B.S.
- Rehabilitation Services, B.S.

### **Bachelor of Music**

- Music, BMus

### **Certification**

- Applied Gerontology, Undergraduate, Certificate
- California Reading Certificate
- Certificate Program in Food Science
- Certificate Program: Community Nutrition
- Early Childhood Special Education: Transition Specialist Certificate
- Graduate Certificate Program in Applied Gerontology
- Post-Baccalaureate Certificate in Business Management
- Undergraduate Certificate Program in Accounting
- Undergraduate Certificate Program in Alternative Nutrition
- Undergraduate Certificate Program in Applied Gerontology
- Undergraduate Certificate Program in Child Maltreatment and Family Violence
- Undergraduate Certificate Program in Commercial Transportation
- Undergraduate Certificate Program in Computer Programming
- Undergraduate Certificate Program in Entrepreneurship
- Undergraduate Certificate Program in Fashion Design
- Undergraduate Certificate Program in Fashion Merchandising
- Undergraduate Certificate Program in Finance
- Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction
- Undergraduate Certificate Program in Fire Service Administration
- Undergraduate Certificate Program in Food Safety
- Undergraduate Certificate Program in General Management
- Undergraduate Certificate Program in Geographic Information Systems
- Undergraduate Certificate Program in Human Resource Management
- Undergraduate Certificate Program in Intercultural Proficiency
- Undergraduate Certificate Program in International Business
- Undergraduate Certificate Program in International Business Communication
- Undergraduate Certificate Program in International Economic Relations
- Undergraduate Certificate Program in Korean
- Undergraduate Certificate Program in Labor Relations
- Undergraduate Certificate Program in Marketing
- Undergraduate Certificate Program in Operations Management
- Undergraduate Certificate Program in Retail Professional Development
- Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems
- Undergraduate Certificate Program in Sports Nutrition
- Undergraduate Certificate Program in Women, Genders, and Sexualities
- Undergraduate Certificate Program in Youth Agency Administration

### **Master of Arts**

- Anthropology, M.A.
- Art, M.A.
- Child Development, M.A.
- Communication Studies, M.A.

- Communicative Disorders, M.A.
- Counseling, M.S.
- Economics, M.A.
- Education, M.A.
- Education: Option in Mathematics and Science Teaching, M.A.
- Education: Option in Bilingual/Multicultural Education in the Urban Classroom, M.A.
- Education: Option in Creative Literacies and Literature in the Elementary Classroom, M.A.
- Education: Option in Curriculum and Instruction in the Urban School, M.A.
- Education: Option in Early Childhood/Primary Education, M.A.
- Education: Option in Educational Foundations, M.A.
- Education: Option in Mathematics Education in the Elementary Classroom, M.A.
- Education: Option in Middle and Secondary Curriculum and Instruction, M.A.
- Education: Option in New Media Design and Production, M.A. (suspended program)
- Education: Option in Reading, M.A.
- Education: Option in Research and Evaluation, M.A. (suspended program)
- Education: Option in Science Education, M.A.
- Educational Administration, M.A.
- English, M.A.
- French, M.A.
- Geography, M.A.
- Health Science, M.A.
- History, M.A.
- Industrial and Technical Studies, M.A.
- Latin American Studies, M.A.
- Mexican-American Studies, M.A.
- Music, M.A.
- Option in Educational Technology and Leadership (45 units)
- Philosophy, M.A.
- Political Science, M.A.
- Psychology, M.A.
- Sociology, M.A.
- Spanish, M.A.
- Special Education, M.A.
- Teaching English to Speakers of Other Languages (TESOL), M.A.
- Theatre Arts, M.A.

### **Master of Science**

- Accountancy, M.S.
- Biology, M.S.
- Business Administration, M.S.
- Business Administration: Option in Finance, M.S.
- Business Administration: Option in International Business, M.S.
- Business Administration: Option in Management, M.S.
- Business Administration: Option in Marketing, M.S.
- Chemistry, M.S.
- Civil Engineering, M.S.
- Computer Science, M.S.
- Criminal Justice, M.S.
- Criminalistics, M.S.
- Electrical Engineering, M.S.
- Environmental Science, M.S.
- Health Care Management, M.S.
- Information Systems, M.S.
- Kinesiology, M.S.
- Mathematics, M.S.
- Mechanical Engineering, M.S.
- Nursing, M.S.
- Nutritional Science, M.S.
- Physics, M.S.
- Psychology, M.S.
- Public Administration, M.S.

### **Blended Bachelor of Science/Master of Science**

- Civil Engineering, Integrated B.S. / M.S.
- Computer Science, Integrated B.S./M.S.
- Electrical Engineering, Integrated B.S. / M.S.
- Mechanical Engineering, Integrated B.S./M.S.

**Master of Business Administration**

- Business Administration, M.B.A.

**Master of Fine Arts in Arts**

- Art, M.F.A.

**Master of Fine Arts in Television, Film, and Theatre**

- Television, Film and Theatre, M.F.A.
- Television, Film and Theatre, M.F.A.

**Master of Music**

- Music, MM

**Master of Social Work**

- Social Work, MSW

**Doctor of Philosophy in Special Education**

- Doctor of Philosophy in Special Education

**Postbaccalaureate Certificate**

- Certificate Program in Teaching Writing
- Credit Certificate Programs
- Early Childhood Special Education: Infancy Emphasis Certificate
- Early Childhood Special Education: Preschool Emphasis Certificate
- Graduate Certificate Program in Advanced Information Systems
- Graduate Certificate Program in Applied Behavior Analysis in Educational Settings
- Graduate Certificate Program in Autism
- Graduate Certificate Program in Biotechnology
- Graduate Certificate Program in Career Counseling
- Graduate Certificate Program in Computer Applications in Schools
- Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL)
- Graduate Certificate Program in Storytelling
- Graduate Certificate Program in Teaching Critical Thinking
- Post-Baccalaureate Certificate Program for Pre-Health Professionals
- Undergraduate Certificate Program in School Audiometrist

**Post-Master's Certificate**

- Post Master's Certificate in Acute Care Nurse Practitioner (ACNP): Adult Specialty
- Post Master's Certificate in Adult Nurse Practitioner Speciality (ANP)
- Post Master's Certificate in Family Nurse Practitioner (FNP)
- Post Master's Certificate in Nurse Practitioner: Psychiatric/Mental Health
- Post Master's Certificate in Nursing Education
- Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality
- Post-Baccalaureate Certificate in Speech-Language Pathology (Master's Preparation)
- Post-Master's Certificate for Nursing Administration
- Post-Master's Certificate for Psychiatric/Mental Health Clinical Nurse Specialist
- Postsecondary Reading Certificate Program

**Minor**

- Accounting Minor
- Anthropology Minor
- Art Minor
- Asian Studies Minor
- Basic Business Minor
- Biology Minor
- Central American Studies Minor
- Central American Studies Minor
- Chicano Studies Minor
- Child Development Minor
- Chinese Minor
- Classics Minor
- Communication Minor
- Comparative Linguistics Interdisciplinary Minor
- Computer Information Systems Minor



- Computer Science Minor
- Creative Writing Minor
- Criminal Justice Minor
- Economics Minor
- English Minor
- Finance Minor
- Forensic Science Minor
- French Minor
- Geography Minor
- Geology Sciences Minor
- Health Science Minor
- History Minor
- Industrial Studies Minor
- Interdisciplinary Information Technology (IT) Minor
- Interdisciplinary Studies Minor in Multimedia
- Japanese Minor
- Labor and Working Class Studies Minor
- Latin-American Studies Minor
- Law and Society Minor
- Management Minor
- Mathematics Minor
- Mesoamerican Studies Minor
- Microbiology Minor
- Minor in Bioinformatics and Computational Biology (BINF)
- Minor in Developmental Disabilities
- Music Minor
- Pan-African Studies Minor
- Philosophy General Minor
- Philosophy Prelaw Minor
- Physics Minor
- Political Science General Minor
- Political Science Global Politics Minor
- Political Science Prelegal Studies Minor
- Political Science Public Administration Minor
- Psychology Minor
- Rehabilitation Services Minor
- Religious Studies Minor
- Science, Technology, and Medicine Studies Minor
- Social Gerontology Minor
- Sociology Minor
- Spanish Minor
- Theatre Arts and Dance Minor
- Women's and Gender Studies Minor

### **Credential**

- Adapted Physical Education Specialist Credential
- Art Credential Program
- Biological Sciences Credential Program
- Chemistry and Biochemistry Credential Program
- Chemistry Credential Program
- CLEAR Administrative Services Credential
- Clinical Rehabilitative Services Credential in Language, Speech, and Hearing
- Clinical-Rehabilitative Services Credential in Audiology
- Education Specialist Credential Programs
- Elementary Teaching Multiple Subject Credential
- Geological Sciences Credential Program
- Health Science Credential Program
- Health Services Credential: School Nurse Services
- History Teaching Credential Program
- Industrial Technology Credential Program
- Kinesiology Credential Program
- Mexican American Studies Credential Program
- Modern Languages and Literatures Credential Program
- Music Credential Program
- Natural Science Credential Program
- Natural Science Subject Matter Program
- Preliminary Administrative Services Credential
- Pupil Personnel Services Credential
- Reading and Language Arts Specialist Credential

- Secondary Teaching Single Subject Credential
- Single Subject Credential in Science
- Single Subject Credential in Secondary Teaching
- Subject Matter Waiver Programs in Mathematics
- Subject Waiver for the Single Subject Credential in Social Sciences
- The Credential Program
- Theatre Arts and Dance Credential Program

#### **Doctorate in Education**

- Doctor of Education (Ed.D.) in Educational Leadership Specialization in PreK-12 Leadership

#### **Other Programs**

- Interdisciplinary Studies Master's Degree MA or MS

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## Administrative Offices and Officers

Titles and Names Only

### Officers of Administration

#### Office of the President

President of the University	James M. Rosser
University Legal Counsel	Victor King
University Internal Auditor	Tanya Ho
Director of Intercollegiate Athletics	Daniel L. Bridges
Executive Director of the Luckman Fine Arts Complex	Wendy Baker

#### Academic Affairs

Provost and Vice President for Academic Affairs	Ashish Vaidya
Associate Vice President for Academic Affairs,	Cheryl Ney
Director, Institutional Research	Mark Pavelchak
Associate Director, Institutional Research	Dmitry Suspitsyn
Dean of Graduate Studies	Laurence Fritz
Associate Dean	Karin Elliott-Brown ( <i>Acting</i> )
Assistant Vice President for Academic Affairs - Academic Personnel	Philip S. LaPolt
Director, Faculty Development and Pedagogical Support	(Vacant)
Dean of Undergraduate Studies	Steven Jones ( <i>Acting</i> )
Associate Dean	Parviz Partow-Navid ( <i>Acting</i> )
Director, Academic Advisement Center	Marcia Murota
Director, University Testing Center	Susan McEvoy
Director, University Tutorial Center	Howard Masuda
Director, University Writing Center	Lise Buranen ( <i>Acting</i> )
Dean, College of Arts and Letters	Peter McAllister
Associate Dean	David N. Conners ( <i>Acting</i> )
Dean, College of Business and Economics	James A. Goodrich
Associate Dean	Edward W. T. Hsieh
Director, Student Services	(Vacant)
Dean, Charter College of Education	Mary Falvey
Associate Dean, Curriculum and Assessment	Diane Fazzi ( <i>Acting</i> )
Director, Student Services	(Vacant)
Dean, College of Engineering, Computer Science, and Technology	Keith Moo-Young
Associate Dean	Don Maurizio
Dean, College of Health and Human Services	Beatrice Yorker
Associate Dean	Eleanor Ferguson-Marshalleck
Dean, College of Natural and Social Sciences	James P. Henderson

Associate Dean  
Dean of Extended Studies and International Programs  
Assistant Dean  
Associate Director of Academic Programs  
Director, English Language Program  
Director, International Office  
Managing Coordinator, Extension Programs  
Director, Honors College  
University Librarian  
Associate University Librarian

Rennie B. Schoepflin  
José L. Galván  
Justin Cassity  
Joann Edmond  
Aaron B. W. Ostrom  
Amy Wang  
Jeffrey Brandt  
Michelle Hawley  
Alice Kawakami  
Marla Peppers

## Administration and Finance

Vice President for Administration and Chief Financial Officer  
Administrative Compliance Officer  
Associate Vice President for Administration and Finance/Financial Services  
University Controller  
Assistant University Controller  
Assistant Vice President for Administration and Finance and University Budget Director  
Environmental Health and Safety Officer/Risk Manager  
Executive Director, University Auxiliary Services, Inc.  
Assistant Vice President, Human Resources Management  
Director, Public Safety  
Director, Administrative Technology and Support Services  
Director, Facilities Services  
Director, Facilities Planning and Construction  
Director, Housing Services

Lisa Chavez  
Jill Carnahan  
Jose A. Gomez  
Thomas Leung  
Ann Harris  
Mae M. Santos  
Kevin Brady  
Alma Sahagun  
Lisa M. Sanchez  
Joseph Curreri  
Karen Melick  
Randy Sharp  
Roger Christman  
Stephen Fleischer

## Information Technology Services

Vice President and Chief Technology Officer  
Director, CMS and Enterprise Systems  
Associate Director, CMS and Enterprise Systems  
Manager, Database Technology  
Director, IT Infrastructure Services  
Assistant Director Network Operations Center, Servers and Technology Operations  
Manager, Network and PBX Operations  
Assistant Director, Baseline Services  
Director, IT Security and Compliance

Peter Quan  
Bill Chang  
Michael Lee  
Eric Her  
Chris Rapp  
Robert Hoffmann  
Arek Papelian  
Jeff Cheam  
Sheryl Okuno

## Institutional Advancement

Vice President for Institutional Advancement and Executive Director of the CSULA Foundation  
Assistant Vice President for University Development  
Executive Director of Alumni Relations  
Executive Director of Public Affairs

Kyle C. Button  
Collette Rocha  
Maria Ubago (*Interim*)  
Nancy Miron

## Student Affairs

Vice President for Student Affairs

Anthony R. Ross

Assistant Vice President, Student Services

Division Fiscal Resource & Operations Manager

Director, California Student Opportunity and Access Program (CAL-SOAP)

Director, Educational Participation in Communities (EPIC)

Director, Gear Up

Judicial Affairs Officer

Director and Chief Staff Physician, Student Health Center

Director, Educational Opportunity Program (EOP)

Director, Office for Students with Disabilities

University Registrar

Associate Registrar

Director, Career Development Center

Director, Student Financial Aid

Associate Director, Student Financial Aid

Director, Admissions and Recruitment and Orientation

Director, Upward Bound Program

Nancy Wada-McKee

Matthew C. Warren

Jorge Ortega

Jorge Uranga

Marcelo Vazquez

Letycia Gomez

Monica Jazzabi, M.D.

Rebecca Hopkins

Kimberly Clapp

Joan V. Woosley

Chuck G. Mancillas

Christopher M. Lenz

Tamie Nguyen

Rhoda Posey

Vincent Lopez

Yara Jimenez

## Student Government

The Associated Students, Inc. (A.S.I.) is an incorporated non-profit student run auxiliary in which all students hold membership. A.S.I. is managed by a board of directors composed of elected student officers who are the officially recognized voice of the students. This body formulates policy and handles the business affairs of the student body.

The purpose of A.S.I. is to provide opportunities for student involvement in campus governance and policy development. A.S.I. facilitates student leadership and participation in state and local politics, and serves as an official venue for the expression of student opinion. A.S.I. contributes to the educational, social, and cultural life of the university through programs and activities, featuring noted artists, films, and guest speakers. For more information go to [www.calstatela.edu/asi](http://www.calstatela.edu/asi).

## Advocacy Network Efforts

All Californians have a stake in maintaining a strong and accessible California State University system, in particular because 1 in every 10 employees of California's workforce is a CSU graduate working in the agriculture, business, education, engineering, health care, media and entertainment field.

Cal State L.A. has formed the **CSULA Alumni Advocacy Committee** to help promote public support for the CSU and CSULA.

The **CSULA Alumni Advocacy Committee** is comprised of alumni and leaders from the CSULA Community as well as current and former elected officials who have enthusiastically supported Cal State L.A. in the past. These volunteers are uniquely qualified as advocates because of their long-time association with Cal State L.A. and familiarity with campus issues.

Members of these groups receive periodic special newsletters concerning statewide bond measures and other issues on which they might become advocates. They also participate in campus visits by local elected officials and visit elected officials in their district offices. For information please call Maria Ubago, Acting Assistant Director, Alumni Relations at (323) 343-2586.

## The CSULA Alumni Association

The CSULA Alumni Association was formed in 1954 to provide official representation of alumni in matters that affect the general welfare of the University. The Association serves as a vital link between the University and its alumni. The mission of the Association is:

**To advance the welfare of CSULA by providing leadership and service that strengthens the connections among students, alumni and friends and enhances the value of their affiliation with the University**

The CSULA Alumni Association is a nonprofit dues-paying membership organization open to alumni and friends of California State University, Los Angeles. To join the Alumni Association or to request information on getting involved please visit our website at <http://alumni.calstatela.edu> or call us at (323) 343-ALUM.

## CSULA Alumni Association Board of Directors

### Executive Committee

Carlos Illingworth, Jr. '04	President
Francisco Martinez '02, '04	Vice President
Jorge Ramirez '04	Past President
Clark Mason II '94	Treasurer
Marlene Carney '76	Secretary

## Directors

Fernando Campos '01, '05  
Fredy Ceja '03, '08  
Seble Gebremedhin  
Sharon F. Grigsby '71  
Andre Khachtourians '05  
Ernie Lopez '04  
Sylvia Martinez '82, '87, '98  
Gary J. Matus '69  
Dwight Nakata '81, '09  
Gary N. Sakaguchi '81  
Jeremy White  
Kyle Button  
Maria Ubago

## The CSULA Foundation

The CSULA Foundation was organized in 1985 as a 501(c)(3) tax-exempt, nonprofit organization for the purpose of accepting charitable contributions to the University. The Foundation Board provides community expertise, oversight and advocacy to increase private giving to and manage the philanthropic assets of the University.

### Foundation Board of Trustees

Carol Jackson	President
Alfred Lopez '83	Vice President
Jeanette L. Gordon '76	Secretary
Mae Santos	Treasurer
Elaine Draper	Faculty Representative
Leila Ricci	Faculty Representative
Jennipha-Lauren Nielsen '08	Student Representative
Michael J. Hagerthy '74, '78	Member
John Paul Isaacson	Member
Morris B. Jones '71	Member
Tony K. Wong '69, '74	Member
James M. Rosser	Ex-Officio
Lisa Chavez	Ex-Officio
Kyle C. Button	Ex-Officio
Jorge Ramirez '04	Ex-Officio
Nancy Hunt	Ex-Officio
Frank M. Saito	Emeritus
Bob R. Adkins, '72	Emeritus
Willard (Bill) Chamberlain	Emeritus
James P. Kelly	Emeritus
Frank Lynch	Emeritus
Roy L. Olofson	Emeritus

## Academic Department, Division, School and Program Offices - Listed Alphabetically

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*\*\*When calling from off campus, dial area code 323, prefix 343, and the four-digit extension; from on campus, dial 3 and the four-digit extension.*

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<b>Department, Division, School, Interdisciplinary Program</b>	<b>College</b>	<b>Location*</b>	<b>Phone**</b>
Accounting, Department of	Business and Economics	ST F517	3-2830
Anthropology, Department of	Natural and Social Sciences	KH C4068	3-2440
Applied and Advanced Studies in Education, Division of	Education	KH C2098	3-4330
Art, Department of	Arts and Letters	FA 328	3-4010
Asian and Asian-American Studies, Interdisciplinary Program in	Natural and Social Sciences	KH B4022	3-2023
Athletics, Division of Intercollegiate	University	PE 104	3-3080
Biological Sciences, Department of	Natural and Social Sciences	BIO 141	3-2050
Business, Interdisciplinary Programs in	Business and Economics	SH C256B	3-2810
Chemistry and Biochemistry, Department of	Natural and Social Sciences	PS 616	3-2300
Chicano Studies, Department of	Natural and Social Sciences	KH C4069	3-2190
Child and Family Studies, Department of	Health and Human Services	E&T A535	3-4590
Civil Engineering, Department of	Engineering, Computer Science, and Technology	E&T A212	3-4450
Communication Disorders, Department of	Health and Human Services	KH B119	3-4690
Communication Studies, Department of	Arts and Letters	MUS 104	3-4200
Computer Science, Department of	Engineering, Computer Science, and Technology	E&T A322	3-6690
Criminal Justice and Criminalistics, School of	Health and Human Services	HDFC244	3-4610
Curriculum and Instruction, Division of	Education	KH C2097	3-4350
Economics and Statistics, Department of	Business and Economics	ST F917	3-2930
Electrical and Computer Engineering, Department of	Engineering, Computer Science, and Technology	E&T A342	3-4470
English, Department of	Arts and Letters	E&T A604	3-4140
Entrepreneurship, Program in	Business and Economics	ST F917	3-2960
Finance and Law, Department of	Business and Economics	ST F717	3-2870
Geosciences and Environment, Department of	Natural and Social Sciences	KH C4067	3-2220
Health Care Management, Program in	Business and Economics	ST F717	3-2890
History, Department of	Natural and Social Sciences	KH C4066	3-2020
Information Systems, Department of	Business and Economics	ST F603	3-2983
Intercultural Proficiency	Health and Human Services	PE 206	3-4650
International Business, Program in	Business and Economics	ST F917	3-2960
Kinesiology and Nutritional Science, School of	Health and Human Services	PE 206	3-4650

Latin American Studies, Interdisciplinary Program in	Natural and Social Sciences	KH B3006	3-2180
Liberal Studies, Department of	Arts and Letters	E&T A405	3-4100
Management, Department of	Business and Economics	ST F717	3-2890
Marketing, Department of	Business and Economics	ST F917	3-2960
Mathematics, Department of	Natural and Social Sciences	ST F206	3-2150
Mechanical Engineering, Department of	Engineering, Computer Science, and Technology	E&T A205	3-4490
Modern Languages and Literatures, Department of	Arts and Letters	KH D1054	3-4230
Music, Theatre, and Dance, Department of	Arts and Letters	MUS 127	3-4060
Natural Science, Interdisciplinary Program in	Natural and Social Sciences	PS 616	3-2300
Nursing, School of	Health and Human Services	ST F417	3-4700
Pan-African Studies, Department of	Natural and Social Sciences	KH C3095	3-2290
Philosophy, Department of	Arts and Letters	E&T A432	3-4180
Physics and Astronomy, Department of	Natural and Social Sciences	PS 315	3-2100
Political Science, Department of	Natural and Social Sciences	E&T A524	3-2230
Psychology, Department of	Natural and Social Sciences	KH C3104	3-2250
Public Health, Department of	Health and Human Services	ST F302	3-4740
Social Work, School of	Health and Human Services	ST F816	3-4680
Sociology, Department of	Natural and Social Sciences	KH C3093	3-2200
Special Education and Counseling, Division of	Education	KH C1064	3-4400
Technology, Department of	Engineering, Computer Science, and Technology	E&T A337	3-4550
Television, Film & Media Studies, Department of	Arts and Letters	Mus 107	3-5425
University Library	University Library	LN B527	3-3950
Women's and Gender Studies, Interdisciplinary Program in	Arts and Letters	E&T A405	3-4100
Youth Agency Administration	Health and Human Services	PE 206	3-4650



# Academic Department, Division, School and Program Offices - Listed by College



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<i>Department/Division/School/Program</i>	<i>Program Coordinator Department/Division Chair</i>	<i>Location*</i>	<i>Extension**</i>
<b>Academic Affairs</b>			
Provost and Vice President	Ashish Vaidya	Adm 713	3-3800
Associate Vice President for Academic Affairs	Cheryl Ney	Adm 710	3-3820
Dean, Graduate Studies	Laurence Fritz	Adm 710	3-3820
Associate Dean	Karin Elliott-Brown ( <i>Acting</i> )	Adm 710	3-3820
Assistant Vice President for Academic Affairs - Academic Personnel	Philip S. LaPolt	Adm 707	3-3810
Director, Institutional Research	Mark Pavelchak	Adm 702	3-2730
Assistant Director, Institutional Research	Vivian Ko	Adm 702	3-2730
Dean, Undergraduate Studies	Steven Jones ( <i>Acting</i> )	Adm 725	3-3830
Associate Dean	Parviz Partow-Navid ( <i>Acting</i> )	Adm 725	3-3830
Director, University Academic Advisement Center	Marcia Murota	Lib S 1040A	3-3150
Director, University Testing Center	Susan McEvoy	Lib PW 2089	3-5100
Director, University Tutorial Center	Howard Masuda	Lib S 1062A	3-3971
Director, University Writing Center	Lise Buranen ( <i>Acting</i> )	Lib S 2097	3-5350
<b>College of Arts and Letters</b>			
Dean	Peter McAllister	MUS 228	3-4001
Associate Dean	David N. Connors ( <i>Acting</i> )	MUS 231	3-4004
Art	Abbas Daneshvari	FA 328	3-4013
Communication Studies	David Olsen	MUS 104	3-4200
English	Ruben Quintero	E&T A604	3-4140
Liberal Studies ( <i>interdisciplinary program</i> )	Patrick Sharp	E&T A405	3-4100
Modern Languages and Literatures	Sachiko Matsunaga	KH D1054	3-4230
Music, Theatre, and Dance	David Connors ( <i>Acting</i> )	MUS 127	3-4060
Philosophy	Kayley Vernallis	E&T A432	3-4180
Television, Film, & Media Studies	Suzanne Regan	MUS 104	3-4200
Women's and Gender Studies ( <i>interdisciplinary program</i> )	Patrick Sharp ( <i>Acting</i> )	E&T A404	3-4100
<b>College of Business and Economics</b>			
Dean	James A. Goodrich	ST F124	3-2800
Associate Dean	Edward W. T. Hsieh (Interim)	ST F124	3-2800
Director, Student Services	(Vacant)	SH C256B	3-5262
Advisement Center - Undergraduate	(Vacant)	SH C256B	3-5262

Advisement Center - Graduate	(Vacant)	SH C256B	3-5156
Accounting	Kathryn Hansen	SH C256B	3-5156
Economics and Statistics	Dang Tran	ST F517	3-2830
Finance and Law	Hsing Fang	ST F517	3-2930
Health Care Management (program)	Stephen McGuire	ST F517	3-2890
Information Systems	Nanda Ganesan	ST F603	3-2927
Management	Angela Young	ST F717	3-2890
Marketing	Tyrone Jackson	ST F917	3-2960

## Charter College of Education

Dean	Mary Falvey	KH D2069	3-4300
Associate Dean	Diane Fozzi (Acting)	KH D2070	3-4303
Applied and Advanced Studies in Education	Anne Hafner	C2098	3-4320
Curriculum and Instruction	Robert Land	KH C2097	3-4350
Special Education and Counseling	Andrea Zetlin (Acting)	KH C1064	3-4400

## College of Engineering, Computer Science, and Technology

Dean	Keith Moo-Young	E&T A236	3-4500
Associate Dean	Don Maurizio (Acting)	E&T A236	3-4510
Civil Engineering	Rupa Purasinghe	E&T A211	3-4450
Computer Science	Raj Pamula	E&T A324	3-6690
Electrical and Computer Engineering	Fred Daneshgaran	E&T A342	3-4470
Mechanical Engineering	Darrell Guillaume	E&T A206	3-4490
Technology	Keith Mew	E&T A337	3-4550

## College of Extended Studies and International Programs

Dean	José L. Galván	GE 211	3-4907
Assistant to the Dean	Wendy Torres (Interim)	GE 211	3-3608
Fiscal Resource Manager	Chris Lam	GE 216	3-4909
Assistant Dean	Justin Casity	GE 211	3-4912
Assistant to Assistant Dean	(Vacant)	GE 211	3-4907
Marketing and Graphic Design	Linda Thome-Loera	GE 216	3-4969

### Enrollment Services

Manager	Jean Cruz	GE 211	3-4900
Registration Support	Jerri Shean	GE 211	3-5913
Registration Support	Malyna Hak	GE 211	3-5577

### Extended Education Programs

Manager, Extension Programs	Jeff Brandt	GE 217	3-4847
Associate Director, Academic Programs	Joann Edmond	GE 216	3-4919
Coordinator	Robin Hall	GE 214	3-4967
Coordinator	Alice Gutierrez	GE 214	3-4916
Coordinator	Piers Armstrong	GE 211	3-4917

### International Office

Director	Amy Wang	SA 115	3-3173
Study Abroad Adviser	Jennifer Amaya	SA 115	3-3169
Office Manager	Soledad Hernandez	SA 115	3-3172
Immigration Counselor	Jessie Shin	SA 115	3-3167

### English Language Program

Director	Aaron B. W. Ostrom	GE 211	3-4840
Student Services Coordinator	Becky Bishop	GE 211	3-4845
Office Manager	Elena Perez	GE 211	3-4840

## College of Health and Human Services

Dean	Beatrice Yorker	FA 130	3-4600
Associate Dean	Eleanor Ferguson-Marshalleck	FA 130	3-4600
Alternative Nutrition (certificate program)	Laura Calderon	PE 206	3-4650
Applied Gerontology (certificate program)	Valentine Villa	SH C90	3-4724
Child and Family Studies	Rita Ledesma	E&T A535	3-4590
Child Maltreatment and Family Violence (certificate program)	Colleen Friend	KH B109B	3-4696
Communication Disorders	Edward Klein	KH B119	3-4690
Criminal Justice and Criminalistics	Joseph Peterson	HDFC244	3-4610
Intercultural Proficiency (certificate program)	Anne Larson	PE 206	3-4650
Kinesiology and Nutritional Science	Nazareth Khodiguiian	PE 206	3-4650
Nursing	Cynthia Hughes	ST F417	3-4700
Nurse Practitioners (certificate programs)	Thomas Barkley	ST F409	3-4825
Parent Educators (certificate program)	Marlene Zepeda	E&T A535	3-4590
Public Health	Walter Zelman	ST F302	3-4740
Social Work	Vacant	STF 816	3-4680
Sports Nutrition (certificate program)	Laura Calderon	PE 206	3-4650
Youth Agency Administration (certificate program)	Anne Larson	PE 206	3-4650
Robert L. Douglass Speech-Language and Cal State L.A. Hearing Clinics	Cari Flint	KH B119	3-4690

## College of Natural and Social Sciences

Dean	James P. Henderson	KH D1052	3-2000
Associate Dean	Rennie Schoepflin	KH D1051	3-2012
Anthropology	René Vellanoweth	KH C4068	3-2440
Asian and Asian American Studies (interdisciplinary program)	Ping Yao	KH C4077A	3-2442
Biological Sciences	Nancy McQueen	Bio 142	3-2050
Chemistry and Biochemistry	Robert Vellanoweth	PS 616	3-2300
Chicano Studies	Bianca Guzman	KH C4069	3-2190
Geosciences and Environment	Ali Modarres	KH C4067	3-2220
Geosciences and Environment	Kim Bishop	PS 208	3-2400
History	Cheryl Koos	KH C4066	3-2020
Latin American Studies (interdisciplinary program)	Beth Baker-Cristales	KH B3006	3-2180
Mathematics	Grant Fraser (Acting)	ST F206	3-2150
Natural Science (interdisciplinary program)	James Rudd	PS 717	3-2219
Pan-African Studies	Melina Abdullah	KH C3095	3-2290
Physics and Astronomy	Susan Tereby	PS 315	3-2100
Political Science	Scott Bowman	E&T A524	3-2230
Psychology	Sengi Hu	KH C3103	3-2250
Sociology	Steve Gordon	KH C3093	3-2200

## Honors College

Director	Michelle Hawley	KH D1045	3-5969
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## Preprofessional Advisement

Health Science Programs (Premedical, pre dental, (preveterinary, prepharmacy, etc.)	Robert Nissen	Bio 258	3-2070
Prelegal Programs			
Department of Finance and Law	Maria Boss	ST F717	3-2870
Department of Philosophy	Kayley Vernallis/David Pitt	E&T A432	3-4180

Department of Political Science	Scott Bowman	E&T A526	3-2248
Department of Sociology	Elaine A. Draper	KHA3047	3-2299
Pre-Physical Therapy Advisement	Ray De Leon	BS 310A	3-4855

## University Library

University Librarian	Alice Kawakami	Lib N B537A	3-3954
Associate University Librarian	Marla Peppers	Lib N B529A	3-3929

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## Other University Offices and Services



### With Office and Telephone Numbers

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<b>Office/Department or Service</b>	<b>Location *</b>	<b>Phone**</b>
<b>Academic Advisement</b>		
Business and Economics Advisement Center	SH 256B	
Business Graduate	SH 256B	3-5156
Business Undergraduate	SH 256B	3-2810
Education Graduate Studies Office	KH D2070	3-4303
Teacher Credential Programs	KH D2078	3-4342
Engineering, Computer Science, and Technology Advisement Center	E&T A406	3-4527
Honors Advisement	KH D 1045	3-5973
Undeclared Majors	LIB PW 1040A	3-3150
University Academic Advisement Center	LIB PW 1040A	3-3150
Admissions Information (Applications and Transcripts)	SA 101	3-3901
Alumni Relations	USU 102	3-ALUM/3-2586
Associate Dean's Office of the College of Education	KH D2070	3-4303
Robert L. Douglass Speech-Language and Cal State L.A. Hearing Clinics	KH B119	3-4690
Associated Students, Inc (ASI), Student Service Center	USU 105	3-4780
Associated Students, Inc (ASI) Administration Offices	USU 203	3-4778
Athletics, Intercollegiate	PE 104	3-3080
Results/Scores Hotline	PE 212	3-3198
Sports Information, Director	PE 212	3-5308
Bookstore, University	Golden Eagle	3-2500
California Reading and Literature Project	LIB PW 1053	3-5116
California Student Opportunity and Access Program (CAL-SOAP)	KH D147	3-3180
Campus Operator	LIB PW 1083	3-3000
Campus Tours/ Orientation	SA 106	3-3175
Career Counseling	Career Center	3-3283
Career Development Center	Career Center	3-3237
Cashier/Disbursement Office	Adm 128/Adm 131	3-3630
Center for Student Financial Aid	SA 124	3-6260
Child Care Center, Anna Bing Arnold	2301 N. Levanda Ave	3-2470
College Office of:		
Arts and Letters	Music 228	3-4001
Business and Economics	ST F124	3-2800
Charter College of Education	KH D2069	3-4300
Engineering, Computer Science, and Technology	E&T A236	3-4500
Extended Studies and International Programs	GE 211	3-4907
Health and Human Services	FA 130	3-4600
Natural and Social Sciences	ASC, Wing B, 223	3-2000

Honors College	KH D1045	3-5969
Community Engagement (Honors College)	KH D1045	3-5969
Community Service Learning (EPIC)	Career Center lower level	3-3380
Counseling ( <i>personal</i> /Appointment Desk)	Health Center	3-3302
Credential Information	KH D2078	3-4320
CSULA Foundation	Admin 809	3-3060
Development, University	Adm 802	3-3075
Disabilities, Office for Students with	Adm 127	3-3140/ (TDD) 3-3139
Early Entrance Program (EEP)	KH D140	3-2287
Educational Opportunity Program (EOP)	SA 215	3-4367
Educational Participation in Communities (EPIC)	Career Center lower level	3-3380
Engineering, Computer Science, and Technology Resource Strategic Initiative	E&T A241A	3-5604
English Language Program (ELP)	GE 211	3-4840
Enrollment Services	Adm 146	3-3900
Equity and Diversity, Office for	Adm 606	3-3040
Extended Studies and International Programs, College of ( <i>ELP, International Programs, Extension Programs, Special Sessions, Open University</i> )	Golden Eagle 211	3-4900
Financial Aid, Student ( <i>Center for Student Financial Aid</i> )	SA 124	3-6260
GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Program)	KH D145	3-6080
Gender and Sexuality Center	U-SU 206	3-3370
Golden Eagle, Service Center	GE 220.1	3-6800
Graduate Studies and Research	Adm 710	3-3820
Health Careers Advisement Office ( <i>Pre-Health professional fields</i> )	BS 106, 110	3-6062
Health Services	Student Health Center	3-3300
Honors College ( <i>Community Engagement, Early Entrance Program, Honors Advisement, National Student Exchange</i> )	KH D1045	3-5969
Housing Services	Housing	3-4800
Information Technology Services	Lib PW 1070	3-2600
Institutional Advancement	Adm 809	3-3060
Open Access Labs (OAL)		
Simpson Tower Annex Link	ST Annex E191	3-2595
ECS&T Computer Link	E&T C255	3-3852
King Hall Link	KH D151	3-5836
Salazar Hall Link	SH C358	3-5364
Union Link	U-SU 104	3-2757
International Office	SA 115	3-3170
IT Security and Compliance	Lib PW 1070	3-2600
ITS Help Desk	Lib PW Lobby	3-6170
ITS Training Program	Lib PW 4056	3-5369
Judicial Affairs	SA 117	3-3103
Leadership Programs		
Student leadership programs	U-SU 204	3-5110
Library ( <i>Reference and Information</i> )	LIB N first floor	3-4927
Luckman Fine Arts Complex ( <i>Theatre and Fine Arts Gallery</i> )	Gallery	3-6611
Music and Media Center	LIB N third floor	3-4092
National Student Exchange (Honors College)	KH D1045	3-5969
Office for Research and Development	GE 314	3-5366
Office for Students with Disabilities	Adm 127	3-3140/(TDD) 3-3139

Orientation, University	SA 105	3-3195
Outreach and Recruitment ( <i>Includes campus tours</i> )	SA 123	3-3839
Performing Arts Box Office, College of Arts and Letters	State Playhouse	3-4118
Police, University	Public Safety	3-3700
Public Affairs	Adm 819	3-3050
Records Office	Adm 409	3-3840
Registrar's Office	Adm 401	3-3940
Registration Office ( <i>Enrollment Services</i> )	Adm 146	3-3900
Research and Sponsored Programs	GE 314	3-5366
Scholarships and Work-Study	SA 124	3-6260
Science, Technology, Engineering and Math Education (STEM-Ed)	KH D1044	3-3817
Sports Information Office	PE 212	3-5308
Student Affairs, Vice President for	SA 108	3-3100
Student Financial Services ( <i>Cashiers/Financial Aid Disbursements</i> )	Adm 128	3-3630
Student Information Center ( <i>Includes preadmission counseling</i> )	SA 101	3-3921
Students Learning in Communities (SLC) Program	LIB PW 1062	3-3184
Study Abroad	SA 115	3-3170
Testing Center	LIB PW 2098	3-3160
Tutorial Center	LIB PW 1039	3-3971
Upward Bound	KH D150	3-3238
Undergraduate Studies	Adm 725	3-3830
Veterans' Affairs	SA 122	3-5080
Writing Center	LIB PW 2097	3-5350

**CALL CAMPUS POLICE AT 9-1-1 FOR EMERGENCIES DURING WEEKENDS AND HOLIDAYS.**

## Academic College, Department, Division, School and Program Offices with E-mail Addresses

University home page: [www.calstatela.edu](http://www.calstatela.edu)

**NOTE-** All e-mail addresses have a suffix of [calstatela.edu](mailto:calstatela.edu) which must be added after the e-mail address shown below. If the e-mail address shown ends in [@cslanet](mailto:cslanet) the full suffix is [@cslanet.calstatela.edu](mailto:cslanet.calstatela.edu). Otherwise, the full suffix is: [@calstatela.edu](mailto:calstatela.edu) All Website addresses begin with <http://> followed by the address shown. **Please note:** Some URLs (Web addresses) do not contain "www". (See departments and programs under the College of Natural and Social Sciences).

Department, Division, School Interdisciplinary Program	E-mail Address	Website/URL
Accounting Dept.	<a href="mailto:msantiste@calstatela.edu">msantiste@calstatela.edu</a>	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Anthropology Dept.	<a href="mailto:anthro@calstatela.edu">anthro@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/anthro/">http://www.calstatela.edu/academic/anthro/</a>
Applied and Advanced Studies in Education, Division of	<a href="mailto:ccoe@calstatela.edu">ccoe@calstatela.edu</a>	<a href="http://www.calstatela.edu/ccoe">http://www.calstatela.edu/ccoe</a>
Applied Gerontology Institute	<a href="mailto:vvilla@calstatela.edu">vvilla@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/hhs/agi/">http://www.calstatela.edu/academic/hhs/agi/</a>
Art Dept.	<a href="mailto:Art-Department@calstatela.edu">Art-Department@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/art/">http://www.calstatela.edu/academic/art/</a>
Asian and Asian-American Studies Interdisciplinary Program	<a href="mailto:Asianam@calstatela.edu">Asianam@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/aaas/">http://www.calstatela.edu/academic/aaas/</a>
Athletics Div. Intercollegiate	<a href="mailto:dbridges@calstatela.edu">dbridges@calstatela.edu</a>	<a href="http://www.calstatela.edu/univ/athletic">http://www.calstatela.edu/univ/athletic</a>
Biological Sciences Dept.	<a href="mailto:Biomicr@calstatela.edu">Biomicr@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/biol/">http://www.calstatela.edu/academic/biol/</a>
Business Interdisciplinary Programs	<a href="mailto:ppartow@calstatela.edu">ppartow@calstatela.edu</a>	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
California Forensic Science Institute	<a href="mailto:ROchi@cslanet.calstatela.edu">ROchi@cslanet.calstatela.edu</a>	
Chemistry and Biochemistry Dept.	<a href="mailto:Chmbioc@calstatela.edu">Chmbioc@calstatela.edu</a>	<a href="http://www.calstatela.edu/dept/chem/">http://www.calstatela.edu/dept/chem/</a>
Chicano Studies Dept.	<a href="mailto:Chicano@calstatela.edu">Chicano@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/chs/index.htm">http://www.calstatela.edu/academic/chs/index.htm</a>
Child and Family Studies Dept.	<a href="mailto:rledesm@calstate.edu">rledesm@calstate.edu</a>	<a href="http://www.calstatela.edu/academic/hhs/cfs/">http://www.calstatela.edu/academic/hhs/cfs/</a>
Child Abuse and Family Violence Institute	<a href="mailto:cfriend@calstatela.edu">cfriend@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/hhs/cafvi">http://www.calstatela.edu/academic/hhs/cafvi</a>
Civil Engineering Dept.	<a href="mailto:Civileng@calstatela.edu">Civileng@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/ecst/civil/">http://www.calstatela.edu/academic/ecst/civil/</a>
Communication Disorders Dept.	<a href="mailto:Eklein@cslanet.calstatela.edu">Eklein@cslanet.calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/hhs/comd/">http://www.calstatela.edu/academic/hhs/comd/</a>
Communication Studies Dept.	<a href="mailto:COMSDept@calstatela.edu">COMSDept@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/communication/">http://www.calstatela.edu/academic/communication/</a>
Computer Science Dept.	<a href="mailto:cs@calstatela.edu">cs@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/ecst/cs">http://www.calstatela.edu/academic/ecst/cs</a>
Criminal Justice and Criminalistics School of	<a href="mailto:jpeters@calstatela.edu">jpeters@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/hhs/crim_jus/">http://www.calstatela.edu/academic/hhs/crim_jus/</a>
Curriculum and Instruction, Division of	<a href="mailto:ccoe@calstatela.edu">ccoe@calstatela.edu</a>	<a href="http://www.calstatela.edu/ccoe">http://www.calstatela.edu/ccoe</a>
Economics and Statistics Dept.	<a href="mailto:dtran@calstatela.edu">dtran@calstatela.edu</a>	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Electrical and Computer Engineering Dept.	<a href="mailto:ece@calstatela.edu">ece@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/ecst/ee/">http://www.calstatela.edu/academic/ecst/ee/</a>
English Dept.	<a href="mailto:English@calstatela.edu">English@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/english/">http://www.calstatela.edu/academic/english/</a>
Entrepreneurship Program	<a href="mailto:csankey@calstatela.edu">csankey@calstatela.edu</a>	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Extended Education	<a href="mailto:extention@calstatela.edu">extention@calstatela.edu</a>	<a href="http://www.calstatela.edu/extension">www.calstatela.edu/extension</a>
Finance and Law Dept.	<a href="mailto:tkim@calstatela.edu">tkim@calstatela.edu</a>	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Geosciences and Environment	<a href="mailto:geog@calstatela.edu">geog@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/geos">http://www.calstatela.edu/academic/geos</a>
Health Care Management Program	<a href="mailto:smcguir@calstatela.edu">smcguir@calstatela.edu</a>	<a href="http://cbe.calstatela.edu/mgmt/hcm/hcm.htm">http://cbe.calstatela.edu/mgmt/hcm/hcm.htm</a>
History Dept.	<a href="mailto:history@calstatela.edu">history@calstatela.edu</a>	<a href="http://www.calstatela.edu/academic/history/index.htm">http://www.calstatela.edu/academic/history/index.htm</a>



Information Systems Dept.	Ahuarng @calstatela.edu	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Intercultural Proficiency Interdisciplinary Program	schoolkns@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/icp.php">http://www.calstatela.edu/academic/hhs/icp.php</a>
International Business Program	hhousto@calstatela.edu	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Kinesiology and Nutritional Science School of	schoolkns@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/kns/">http://www.calstatela.edu/academic/hhs/kns/</a>
Latin American Studies Interdisciplinary Program	las@calstatela.edu	<a href="http://www.calstatela.edu/academic/las/">http://www.calstatela.edu/academic/las/</a>
Liberal Studies Dept.	psharp@	<a href="http://www.calstatela.edu/dept/libstudies/">http://www.calstatela.edu/dept/libstudies/</a>
Library	libweb@calstatela.edu	<a href="http://www.calstatela.edu/library">http://www.calstatela.edu/library</a>
Management Dept.	igutierre@calstatela.edu	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Marketing Dept.	csankey@calstatela.edu	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Mathematics Dept.	Math@calstatela.edu	<a href="http://www.calstatela.edu/academic/math/">http://www.calstatela.edu/academic/math/</a>
Mechanical Engineering Dept.	Mechengr@calstatela.edu	<a href="http://www.calstatela.edu/academic/ecst/me/">http://www.calstatela.edu/academic/ecst/me/</a>
Modern Languages and Literatures Dept.	Modlang@calstatela.edu	<a href="http://www.calstatela.edu/academic/mld/">http://www.calstatela.edu/academic/mld/</a>
Music, Theatre, and Dance Dept.	music@calstatela.edu/ TAD@	<a href="http://www.calstatela.edu/academic/musictheatredance/">http://www.calstatela.edu/academic/musictheatredance/</a>
Natural Science Interdisciplinary Program	natsci@calstatela.edu	<a href="http://www.calstatela.edu/academic/natsci/">http://www.calstatela.edu/academic/natsci/</a>
Nursing, School of	chughes2@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/nursing/">http://www.calstatela.edu/academic/hhs/nursing/</a>
Pan-African Studies Dept.	pas@calstatela.edu	<a href="http://www.calstatela.edu/academic/pas/">http://www.calstatela.edu/academic/pas/</a>
Philosophy Dept.	philos@calstatela.edu	<a href="http://www.calstatela.edu/dept/phil/">http://www.calstatela.edu/dept/phil/</a>
Physics and Astronomy Dept.	Physics@calstatela.edu	<a href="http://www.calstatela.edu/dept/physics/">http://www.calstatela.edu/dept/physics/</a>
Political Science Dept.	polisci@calstatela.edu	<a href="http://www.calstatela.edu/dept/pol_sci/">http://www.calstatela.edu/dept/pol_sci/</a>
Psychology Dept.	psych@calstatela.edu	<a href="http://www.calstatela.edu/academic/psych/html/deptmenu.htm">http://www.calstatela.edu/academic/psych/html/deptmenu.htm</a>
Public Health Dept.	hlthsci@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/hs/">http://www.calstatela.edu/academic/hhs/hs/</a>
Social Work, School of	IndiraV@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/sw/">http://www.calstatela.edu/academic/hhs/sw/</a>
Sociology Dept.	sociol@calstatela.edu	<a href="http://www.calstatela.edu/academic/soc/">http://www.calstatela.edu/academic/soc/</a>
Special Education and Counseling, Division of	sped@calstatela.edu	<a href="http://www.calstatela.edu/academic/ccoe/index_edsp.htm">http://www.calstatela.edu/academic/ccoe/index_edsp.htm</a>
Technology Dept.	Tech@calstatela.edu	<a href="http://www.calstatela.edu/academic/ecst/tech/">http://www.calstatela.edu/academic/ecst/tech/</a>
Television, Film & Media Studies Dept.	tvfilmdepartment@calstatela.edu	<a href="http://www.calstatela.edu/academic/tvf">http://www.calstatela.edu/academic/tvf</a>
Women's Studies Interdisciplinary Program	sjones@calstatela.edu	<a href="http://www.calstatela.edu/dept/libstudies/womensstudies.php">http://www.calstatela.edu/dept/libstudies/womensstudies.php</a>
Youth Agency Administration	Alarson2@calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/youth_agency/">http://www.calstatela.edu/academic/hhs/youth_agency/</a>
College of Arts and Letters	AL@calstatela.edu	<a href="http://www.calstatela.edu/academic/al/">http://www.calstatela.edu/academic/al/</a>
College of Business and Economics	sbergst@calstatela.edu	<a href="http://cbe.calstatela.edu">http://cbe.calstatela.edu</a>
Charter College of Education	ccoeadv@calstatela.edu	<a href="http://www.calstatela.edu/ccoe">http://www.calstatela.edu/ccoe</a>
College of Engineering, Computer Science, and Technology	et@calstatela.edu	<a href="http://www.calstatela.edu/academic/engr/tmp/et/">http://www.calstatela.edu/academic/engr/tmp/et/</a>
College of Extended Studies and International Programs	extension@calstatela.edu	<a href="http://www.calstatela.edu/extension/">http://www.calstatela.edu/extension/</a>
College of Health and Human Services	byorker @calstatela.edu	<a href="http://www.calstatela.edu/academic/hhs/">http://www.calstatela.edu/academic/hhs/</a>
College of Natural and Social Sciences	nss@calstatela.edu	<a href="http://www.calstatela.edu/academic/nssd/">http://www.calstatela.edu/academic/nssd/</a>
Bridges to the Future program	brtobac@calstatela.edu	<a href="http://www.calstatela.edu/centers/moreprograms/bridges/B2Future.htm">http://www.calstatela.edu/centers/moreprograms/bridges/B2Future.htm</a>
Los Angeles Basin Bridges to the Ph.D.	brtophd@calstatela.edu	<a href="http://www.calstatela.edu/centers/moreprograms/bridges/B2PhD.htm">http://www.calstatela.edu/centers/moreprograms/bridges/B2PhD.htm</a>
Center for Environmental Analysis– Centers for Research Excellence in Science and Technology	ceacrest@calstatela.edu	<a href="http://cea-crest.calstatela.edu/">http://cea-crest.calstatela.edu/</a>
Center for Spatial Analysis and Remote Sensing C-SARS	amodarr@calstatela.edu	<a href="http://csars.calstatela.edu">http://csars.calstatela.edu</a>

Minority Biomedical Research Support Program MBRS	mbrs@calstatela.edu	<a href="http://www.calstatela.edu/centers/moreprograms/rise/index.htm">http://www.calstatela.edu/centers/moreprograms/rise/index.htm</a>
Minority Access to Research Careers Program MARC	marc@calstatela.edu	<a href="http://www.calstatela.edu/centers/moreprograms/ustar/index.htm">http://www.calstatela.edu/centers/moreprograms/ustar/index.htm</a>
Consortium for Undergraduate Research Experience CURE	cure@calstatela.edu	<a href="http://astro.calstatela.edu/cure/">http://astro.calstatela.edu/cure/</a>
Honors College	honorscollege@calstatela.edu	<a href="http://www.calstatela.edu/academic/honorscollege/">http://www.calstatela.edu/academic/honorscollege/</a>

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## Catalog Information and Basic University Policies



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  - Campus Nonviolence Policy
  - Consensual Sexual Relations Between Faculty and Students
  - Immigration Requirements for Licensure
  - Privacy Rights of Students in Education Records
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### The Catalog

The University's *General Catalog* is prepared in the Office of Undergraduate Studies, which has overall responsibility for structure, layout, and editing, in collaboration with the Office of Public Affairs. Steven Krentzman is responsible for production, layout, and integration. Special assistance was provided by Kathy Numoto. Special acknowledgements are due the following for their contributions: Nadine Koch, Associate Dean of Undergraduate Studies, for her curriculum expertise and editorial assistance; Public Affairs, for cover artwork, Bernard Kane, for photographs; Nancy Miron for editing; Reprographics, for design and typesetting of tables, and grids. Information contained in this issue is revised to June 15, 2009.

The catalog may be purchased in person or ordered by mail from the University Bookstore. The price, established under regulations of the Board of Trustees of the California State University, is \$14.95. To order by mail, call the University Bookstore, (323) 343-2500, to obtain the cost for mailing. Send a request with check or money order to cover the cost of the catalog and mailing to: California State University, Los Angeles, Attention: University Bookstore, 5153 State University Drive, Los Angeles, CA 90032-8734. The catalog can be viewed online at [www.calstatela.edu](http://www.calstatela.edu).

### Changes in Rules and Policies

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the Chancellor or designee of the California State University, or by the President or designee of the campus. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the Chancellor of the California State University, or the President of the campus. The Trustees, the Chancellor, and the President are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the campus or the California State University. The relationship of students to the campus and the California State University is one governed by statute, rules, and policy adopted by the Legislature, the Trustees, the Chancellor, the Presidents and their duly authorized designees.

### Nondiscrimination Policy

#### Race, Color, Ethnicity, National Origin, Age and Religion

The California State University does not discriminate on the basis of race, color, ethnicity, national origin, age, or religion in its programs and activities, including admission and access. Federal and state laws, including Title VI of the Civil Rights Act of 1964 and the California Equity in Higher Education Act, prohibit such discrimination. Mariel Mulet, Equity and Diversity Manager, has been designated to coordinate the efforts of California State University, Los Angeles, to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at 5151 State University Drive, Los Angeles, California 90032-8534, (323) 343-3040.

Disability

#### Disability

The California State University does not discriminate on the basis of disability in its programs and activities, including admission and access. Federal and state laws, including sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, prohibit such discrimination. Lisa M. Sanchez has been designated to coordinate the efforts of California State University, Los Angeles to comply with all applicable federal and state laws prohibiting discrimination on the basis of disability. Inquiries concerning compliance may be presented to this person at the Office for Equity and Diversity, phone (323) 343 3040; the campus office assigned the administrative responsibility of reviewing such matters.

### **Sex/Gender**

The California State University does not discriminate on the basis of sex, gender, gender identity or sexual orientation in its programs and activities, including admission and access. Federal and state laws, including Title IX of the Education Amendments of 1972, prohibit such discrimination. Mariel Mulet, Equity and Diversity Manager, has been designated to coordinate the efforts of California State University, Los Angeles, to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at 5151 State University Drive, Los Angeles, California 90032-8534, (323) 343-3040.

The California State University is committed to providing equal opportunities to male and female CSU students in all campus programs, including intercollegiate athletics.

Inquiries concerning the application of these laws to programs and activities of California State University System may be referred to the Regional Director of the Office for Civil Rights, United States Department of Education, 50 Beale Street, Suite 7200, San Francisco, California 94105.

*(Please see the Procedures and Regulations section for details.)*

### **Inquiries Concerning Compliance**

Inquiries concerning compliance or the application of these laws to programs and activities of California State University, Los Angeles may be referred to the specific campus officer(s) identified above or to the Regional Director of the Office for Civil Rights, United States Department of Education, 50 Beale Street, Suite 7200, San Francisco, California 94105.

## **Campus Nonviolence Policy**

California State University, Los Angeles is committed to creating and maintaining a working, learning, and social environment for all members of the University community that is free from violence.

Civility, understanding, and mutual respect toward all members of the University community are intrinsic to excellence in teaching and learning, to the existence of a safe and healthful workplace, and to maintenance of a campus culture and environment that serves the needs of its many constituencies. Threats of violence or acts of violence not only impact the individuals concerned, but also the mission of the University to foster higher education through open dialogue and the free exchange of ideas. The University prohibits and will take decisive action to eliminate verbal harassment, violent acts, threats of violence, or any other behavior which by intent, action, or outcome harms another person. Such conduct is subject to disciplinary action up to and including dismissal from employment, expulsion from the University, or civil or criminal prosecution as appropriate.

The University has no tolerance for violence against and by members of the University community. To fulfill this policy, the University will work to prevent violence from occurring and will ensure that federal and state laws, as well as University regulations prohibiting violence, are fully enforced. In determining whether conduct constitutes a credible threat or act of violence, the circumstances surrounding the conduct will be considered.

Established University faculty, staff, and student and Department of Public Safety procedures will serve as mechanisms for resolving situations of violence or threats of violence. Each allegation of violence or threat of violence will be taken seriously. Individuals are encouraged to report acts of violence, threats of violence, or any other behavior which by intent, act or outcome harms another person.

*Approved by the Cal State L.A. Academic Senate and  
President James M. Rosser - Summer 1996*

## **Consensual Sexual Relations Between Faculty and Students**

“Sexual relations between students and faculty members with whom they also have an academic or evaluative relationship are fraught with the potential for exploitation. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in an academic or evaluative role, make voluntary consent by the student suspect. Even when both parties initially have consented, the development of a sexual relationship renders both the faculty member and the institution vulnerable to possible later allegations of sexual harassment in light of the significant power differential that exists between faculty members and students.

“In their relationships with students, members of the faculty are expected to be aware of their professional responsibilities and avoid apparent or actual conflict of interest, favoritism, or bias.”\*

It is unprofessional conduct for a faculty member to engage in any sexual relationship with a student while he or she is enrolled in that faculty member's class, or if a faculty member is acting in any other capacity that may directly affect the student's academic career.

Failure to follow these standards will be grounds for investigation or disciplinary action.

\* *The language in quotation marks is from the Statement adopted by the 81st Annual Meeting of the A.A.U.P.*

## Immigration Requirements for Licensure

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (P.L. 104-193), also known as the Welfare Reform Act, included provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information concerning these requirements is available from Amy Wang, Director, International Office, (323) 343-3170.

## Privacy Rights of Students in Education Records

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code, Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern access to records maintained by the campus and the release of such records. Please see Appendix F in this catalog for details.

***Familiarity with the Institution's rules and regulations published in this catalog shall be the responsibility of each student and faculty member, and of those administrative offices concerned with academic matters.***

# Academic Calendar

## Key Dates: Fall 2011 through Fall 2016

### FALL QUARTER 2011

September 22	Fall quarter; classes begin
October 10	Columbus Day; campus open
November 11	Veterans' Day; campus closed
November 24-26	Thanksgiving holidays; campus closed
December 5-10	Final examinations
December 11-January 8	Campus closed
December 26	Christmas Day observed; campus closed

### WINTER QUARTER 2012

January 2	New Year's Day observed; campus closed
January 9	Winter quarter; classes begin
January 16	Martin Luther King, Jr.'s birthday; campus closed
February 13	Lincoln's birthday; campus open
February 20	Washington's birthday; campus open
March 19-24	Final examinations
March 25-April 1	Student recess

### SPRING QUARTER 2012

March 30	Cesar Chavez Day observed; campus closed
April 2	Spring quarter; classes begin
April 27	Honors Convocation
May 28	Memorial Day; campus closed
June 11-16	Final examinations
June 15-16	Commencement
June 17-24	Student recess

### SUMMER QUARTER 2012

June 25	Summer quarter; classes begin
July 4	Independence Day; campus closed
September 4-8	Final examinations
September 3	Labor Day; campus closed
September 9-17	Student recess

### FALL QUARTER 2012

September 20	Fall quarter; classes begin
October 11	Columbus Day; campus open
November 12	Veterans' Day; campus closed
November 22-24	Thanksgiving holidays; campus closed
December 3-8	Final examinations
December 9-January 6	Student recess
December 24-29	Campus closed

### WINTER QUARTER 2013

January 1	New Year's Day observed; campus closed
January 7	Winter quarter; classes begin
January 21	Martin Luther King, Jr.'s birthday; campus closed
February 12	Lincoln's birthday; campus open
February 18	Washington's birthday; campus open
March 18-23	Final examinations
March 24-April 1	Student recess
April 1	Cesar Chavez Day observed; campus closed

### SPRING QUARTER 2013

April 2	Spring quarter; classes begin
April 26	Honors Convocation
May 27	Memorial Day; campus closed
June 11-15	Final examinations
June 14-15	Commencement
June 16-23	Student recess

### SUMMER QUARTER 2013

June 24	Summer quarter; classes begin
July 4	Independence Day; campus closed
September 2	Labor Day; campus closed
September 3-7	Final examinations
September 8-25	Student recess

### FALL QUARTER 2013

September 26	Fall quarter; classes begin
October 14	Columbus Day; campus open
November 11	Veterans' Day; campus closed
November 28-30	Thanksgiving holidays; campus closed
December 9-14	Final examinations
December 15-January 5	Student recess
December 23-28	Campus closed

### WINTER QUARTER 2014

January 1	New Year's Day observed; campus closed
January 6	Winter quarter; classes begin
January 20	Martin Luther King, Jr.'s birthday; campus closed
February 12	Lincoln's birthday; campus open
February 17	Washington's birthday; campus open
March 17-22	Final examinations
March 23- 31	Student recess
March 31	Cesar Chavez Day observed; campus closed

### SPRING QUARTER 2014

April 1	Spring quarter; classes begin
April 25	Honors Convocation
May 26	Memorial Day; campus closed
June 9-14	Final examinations
June 13-14	Commencement
June 15-22	Student recess

### SUMMER QUARTER 2014

June 23	Summer quarter; classes begin
July 4	Independence Day; campus closed
September 1	Labor Day; campus closed
September 2-6	Final examinations
September 7-24	Student recess

## FALL QUARTER 2014

September 25	Fall; classes begin
October 13	Columbus Day; campus open
November 11	Veterans' Day; campus closed
November 27-29	Thanksgiving holidays; campus closed
December 8-13	Final examinations
December 14-January 4	Student recess
December 22-27	Campus closed

## WINTER QUARTER 2015

January 1	New Year's Day; campus closed
January 5	Winter quarter; classes begin
January 19	Martin Luther King, Jr.'s birthday; campus closed
March 16-21	Final examinations
March 22-29	Student recess

## SPRING QUARTER 2015

March 30	Spring quarter; classes begin
March 31	Cesar Chavez Day observed; campus closed
May 25	Memorial Day; campus closed
June 8-13	Final examinations
June 12-13	Commencement
June 14-21	Student recess

## SUMMER QUARTER 2015

June 22	Summer quarter; classes begin
July 3	Independence Day observed; campus closed
September 7	Labor Day; campus closed
August 31-September 5	Final examinations
September 6-20	Student recess Memorial Day; campus closed

## FALL QUARTER 2015

September 24	Fall; classes begin
November 11	Veteran's Day observed; campus closed
November 26-28	Thanksgiving holidays; campus closed
December 7-12	Final examinations
December 13-January 3	Student recess

## WINTER QUARTER 2016

January 1	New Year's Day; campus closed
January 4	Winter quarter; classes begin
January 18	Martin Luther King, Jr.'s birthday; campus closed
March 14-19	Final examinations
March 20-27	Student recess


## SPRING QUARTER 2016



March 28	Spring quarter; classes begin
March 31	Cesar Chavez Day; campus closed
May 30	Memorial Day; campus closed
June 6-11	Final examinations
June 10-11	Commencement
June 12-19	Student recess

## The University



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California State University, Los Angeles, founded in 1947 by the California State Legislature, is a comprehensive University that offers programs of higher education in an array of academic and professional fields. The University's six Colleges, along with the Honors College and College of Extended Studies and International Programs, offer more than 60 academic schools, divisions and departments that draw students from all areas of the United States and the world. About one quarter of the campus' more than 20,000 students are engaged in postbaccalaureate study in programs leading to master's and doctoral degrees; teaching, service, and specialist credentials; certificates; and programs that lead to professional and academic advancement.

## The campus reflecting L.A.

Near the edge of the city of Los Angeles, Cal State L.A. sits upon just over 175 hilltop acres with views of Pasadena and the mountains to the north, the San Gabriel Valley to the east, downtown Los Angeles to the west, and the Palos Verdes Peninsula and Catalina Island to the south. The Cal State L.A. Transit Center makes the University highly accessible by trains and buses serving all regional communities.

The campus site was once one of California's 36 original adobes, built in 1776 by Franciscan missionaries and destroyed by fire in 1908. Around the 1850s, it was settled as part of a Spanish land grant by the family of Juan Batista Batz, a Basque rancher from northern Spain. Known as the Rancho Rosa Castilla, it was named, according to local historians, for the wild rose that grew near the home. The name of the main drive through the campus harkens back to this historic heritage.

## The Mission of the University

Cal State L.A., a member of the California State University (CSU) system, offers excellent and innovative educational opportunities to an urban student population that reflects the diversity of the Los Angeles basin.

Educational opportunities include:

**Preparing students to appreciate, engage, enhance and transform the social, cultural, civic, and workplace structures of American and global societies;**

**Providing students with the capabilities, skills, and opportunities to take full advantage of life-long learning, including graduate and professional studies, and opportunities to participate in research, scholarly, and creative activities;**

**Offering students tools for personal and academic achievement, economic mobility, and healthier lives;**

**Serving as a gateway among the Cal State L.A. community, the greater Los Angeles community, and world community for shared educational and cultural life;**

**Providing high quality professional services to all constituencies of the University.**

## The Faculty

Members of the Cal State L.A. faculty are well recognized for their academic and teaching excellence, through high levels of scholarship, research, mentoring, and creative accomplishments. Virtually all of Cal State L.A.'s faculty members have earned the highest degrees in their field, most often a Ph.D., from leading universities. Cal State L.A. professors have been acknowledged as outstanding professors within the CSU system and at the state and national levels and have received numerous grants and awards, including several Fulbright grants in 2009-2010.

The greatest commitment of Cal State L.A. faculty is to teaching. Faculty members regularly involve students, including undergraduates, in research and creative activities, mentoring them through academic and career advisement. Various campus programs and University committees, on which students also serve, further develop supportive ties between faculty and students.

## The Academic Year/Quarter System

Cal State L.A. operates year-round on the quarter system. Four quarters, each 11 weeks in duration, comprise the academic year. The summer quarter is a regular academic quarter, equal in all respects to the other three quarters. Students may maintain normal academic progress by full-time attendance during any three quarters of each year. Classes are scheduled weekdays from 7 a.m. until 10 p.m. and on Saturdays to serve the needs of full-time, part-time, and working students.

## University Assessment Activities

Through the participation of students, faculty, staff, alumni, employers, and other community stakeholders, Cal State L. A. regularly assesses the effectiveness and ongoing improvements of University activities and programs to ensure it meets its mission, goals and objectives. The University evaluates and measures student learning in order to identify what students know, understand, appreciate, and can demonstrate following a learning experience. The program review process evaluates general education and degree programs, and assessment results are used for improvement. Construction updates since 2009:

### The Wallis Annenberg Integrated Sciences Complex

The Wallis Annenberg Integrated Sciences Complex is home of the College of Natural and Social Sciences. This complex encompasses La Kretz Hall, Wing B, and the Lloyd Ferguson Courtyard. It includes classrooms, labs and offices for a number of science-based fields of research and study.

### The Corporation Yard

Key operations that make sure that the University can function are housed in the two new structures that encompass Facilities Services; Facilities Planning and Construction; Risk Management and Environmental Health and Safety; Materials Management; and Shipping and Receiving. Housing/Golden Eagles Apartments

Scheduled to open after remodeling for Winter 2012, the Golden Eagles Apartments will offer affordable graduate student living, with single rooms in suites and two-bedroom apartments. At Phase II Housing, construction of a 150-seat dining facility will begin in late 2011.

### Hydrogen Fueling and Research

Supported by federal, state and private resources, this sustainable facility is one of only a few stations in the Los Angeles County basin and is used for both research and as a public fueling station. The state-of-the-art facility will produce about 60 kilograms of hydrogen fuel daily—enough to serve 15 to 20 vehicles a day.

### LACHSA

The Los Angeles County High School for the Arts (LACHSA) offers a specialized program combining college-preparatory academic instruction and conservatory-style training in the visual and performing arts. Located north of the Music building between Parking Structure C and Student Housing, the new school building—currently in construction—is to be a shared facility with Cal State L.A.

### Los Angeles County High School for the Arts (LACHSA)

A collaboration between the Alliance for College-Ready Public Schools (a charter management organization) and Cal State L.A., Stern MASS focuses on preparing students to pursue college degrees in the science, technology, engineering, and mathematics (STEM) fields. The building, housing 22 classrooms, four science labs, a multipurpose room, library and a CSULA professional development center, was dedicated in 2009.

### Public Safety/University Police

Dedicated to the safety and protection of the entire campus community, the home of Public Safety/University Police, accredited by the Commission on Accreditation for Law Enforcement Agencies, is near the campus entrance and adjacent to The Welcome Center. The facility features all modern amenities and services needed to protect and serve a large campus community.

### Television, Film and Media Studies Center

The Television, Film and Media Studies Center, part of the College of Arts and Letters, offers students access to state-of-the-art technology along with

innovative creative opportunities. The site of the former Church of Jesus Christ of Latter Day Saints includes a two-level parking structure and a multi-use room, classrooms, conference rooms, and office space.

## **University-Student Union and The Golden Eagle**

The University-Student Union is home of the Alumni Center, Associated Students, Inc. (ASI) offices, along with clubs and organizations. The U-SU offers an expansive fitness center, theatre, computer lab and meeting rooms that connect to The Golden Eagle via a third-floor bridge. The Golden Eagle, home of the Pat Brown Institute and the College of Extended Studies and International Programs, also includes a food court, campus catering services, the University Club, a bookstore and major conference facilities.

## **Accreditation**

Since 1954, California State University, Los Angeles has been fully accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges (WASC), 985 Atlantic Ave., Suite 100 Alameda, CA 94501, (510) 748-9001. The University's credential programs are approved by the California Committee on Accreditation. Professional degree programs offered, and the national societies and associations that accredit these programs are listed below:

### **Art**

National Association of Schools of Art and Design (NASAD)  
11250 Roger Bacon Drive, Suite 21, Reston, VA 20190  
(703) 437-0700

### **Audiology (graduate)**

American Speech-Language-Hearing Association (ASHA)  
10801 Rockville Pike, Rockville, MD 20852  
(301) 897-5700; (800) 498-2071

### **Business Administration**

AACSB—The Association to Advance Collegiate Schools of Business  
600 Emerson Road, Suite 300, St. Louis, MO 63141-6762  
(314) 872-8481

### **Chemistry**

American Chemical Society (ACS)  
1155 Sixteenth Street, NW, Washington, DC 20036  
(202) 872-4589; (800) 227-5558

### **Education**

National Council for Accreditation of Teacher Education (NCATE)  
2010 Massachusetts Ave., NW, Suite 500  
Washington, DC 20036  
(202) 466-7496

California Committee on Accreditation (COA)  
1900 Capitol Avenue  
Sacramento, CA 95814  
(916) 445-0184

### **Engineering (undergraduate)**

[B.S. degrees in Civil, Electrical, and Mechanical Engineering]  
Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET)  
111 Market Place, Suite 1050, Baltimore, MD 21202  
(410) 347-7700

### **Music**

National Association of Schools of Music (NASM)  
11250 Roger Bacon Drive, Suite 21, Reston, VA 20190  
(703) 437-0700

### **Nursing**

National League for Nursing (NLN)

61 Broadway, 33rd Floor,

New York, NY 10006

(800) 669-1656

California Board of Registered Nursing (CBRN)

400 R Street, Suite 4030, Sacramento, CA 94244 (916)

322-3350

### ***Nutritional Science Coordinated Dietetics Program (CDP) (undergraduate and graduate)***

American Dietetic Association (ADA)

216 W. Jackson Blvd., Chicago, IL 60606-6995

(312) 899-0040, Ext. 4876

### ***Psychology (graduate)***

Association for Behavior Analysis: International 213 West Hall, Western Michigan University

1201 Oliver Street

Kalamazoo, MI 49008-5052

(616) 387-8341

### ***Public Administration (graduate)***

National Association of Schools of Public Affairs and Administration (NASPAA)

1120 G Street, Suite 730, NW, Washington, DC 20005

(202) 628-8965

### ***Rehabilitation Counseling***

Council on Rehabilitation Education (CORE)

1835 Rohlwing Road, Suite E, Rolling Meadows, IL 60008

(847) 394-1785

### ***School Counseling and Student Personnel Services***

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

5999 Stevenson Ave., 4th Floor

Alexandria, VA 22304-3300

(703) 823-9800, Ext. 301; (800) 347-6647 Ext. 301

### ***Social Work (BA accredited; MSW accredited)***

Council on Social Work Education (CSWE)

1725 Duke Street, Suite 500, Alexandria, VA 22314-3457

(703) 683-8080

### ***Speech-Language Pathology (graduate)***

American Speech-Language-Hearing Association (ASHA)

10801 Rockville Pike, Rockville, MD 20852

(301) 897-5700; (800) 498-2071

## **Affiliations**

Cal State L.A. holds membership in a number of national and regional organizations concerned with the advancement of higher education. They include the American Council on Education (ACE), the American Association of State Colleges and Universities (AASCU), the Association of American Colleges and Universities (AAC&U), the Association of American Colleges, Council of Graduate Schools, National Collegiate Honors Council, Western Association of Graduate Schools, and the Western Association of Schools and Colleges (WASC). Women graduates are qualified for membership in the American Association of University Women (AAUW).

## **The John F. Kennedy Memorial Library**

The John F. Kennedy Memorial Library supports Cal State L.A.'s academic programs through collections, technology, services and instruction that facilitate student and faculty access to a broad range of recorded knowledge and information resources. The Library provides well-organized and effective access to both local and remote sources. Electronic resources are accessible to CSULA students, wherever their location, through the Internet. The Library provides access to knowledge resources and information appropriate to each College's departments and programs, along with needed

instruction and support. The Library offers user-oriented assistance in selecting, locating, and using resources. Its instructional program fosters life-long learning and develops competency in the use of resources and research methodologies. The Library is located at the center of the campus in two interconnected buildings—Library North and the Palmer Wing. A comprehensive guide to the Library's collections and online databases can be viewed at: <http://www.calstatela.edu/library>.

## ***Collections***

The Library's collections of more than one million volumes include significant current and retrospective scholarly work that supports the University's academic programs. Over 18,000 e-books may be accessed via the Library's website. The Library's holdings also include online access to over 49,000 digital journals and more than 140 electronic indexes (databases) accessible both on and off campus.

The Library also houses media and special collections containing DVDs, sound recordings, multimedia, art images, archival and rare manuscript collections, and a complete collection of Cal State L.A. master's degree theses. The Library is an official depository for U.S. government and California state publications.

## ***Services***

Library faculty and staff at the Reference Center, located on the first floor of Library North, assist library users with reference and research questions, and provide individual assistance on the use of the Library's website, catalog, and databases. Other library services include a music and media center, interlibrary borrowing of materials, over 120 self-service networked computer workstations, self-service photocopying and printing, and group study rooms. Electronic reserves are accessible from the Library's website.

Access to the book collections of all libraries within the CSU system is provided through CSU Union Catalog, a state-of-the-art, common user interface to extensive CSU information resources. Students, faculty, and staff may request books from any CSU library, thus gaining access to 23 campus collections that contain over 3.9 million titles and 12 million volumes. . In addition, books and articles not in the CSU system may be requested through the Library's Interlibrary Loan service.

Cal State L.A. faculty and students may also use other collections through reciprocal borrowing agreements. Currently, on-site borrowing is permitted at the following institutions: East Los Angeles College, Pasadena City College, Glendale Community College, Los Angeles Community College, L.A. Trade Tech College, and Rio Hondo College.

## ***Library Instruction***

The Library and the entire world of information are undergoing enormous change. Information search, discovery, and analysis have become foundational for student learning. Research skills have become increasingly centered on the use of digital resources and specialized online databases. The goal of Library instruction is to develop information literacy, that is, habits of critical inquiry surrounding information. Each academic unit and program has a librarian assigned to assist in developing information curriculum at the level of the major. Library faculty provides generalist and discipline-specific research instruction in any number of settings including library courses (below), workshops, and tutorials.

## ***Information Literacy***

Information literacy is designed to develop the necessary information skills needed to carry out successful research for coursework. Information literate individuals can: formulate a research question or problem; determine their information requirements; locate and retrieve information effectively; organize, analyze, evaluate, and synthesize information critically; and are able to communicate and present information in a coherent fashion. In addition, information literate individuals understand the ethical, legal, and socio-political issues in the retrieval, use and presentation of information. The acquisition of information literacy skills occurs progressively and reflects both general and disciplinary information needs.

## **Information Technology Services**

Information Technology Services (ITS) provides the technology infrastructure, support services and resources that support the University's Strategic Directions and Goals and ensures that information security assurance remains an institutional priority. ITS strives to provide all students, faculty and staff with anywhere, anytime electronic access to information resources in support of the teaching/learning mission of the University. To guide the University toward a future technology environment featuring even richer and more robust services, the division provides planning, collaboration, training, development, implementation and stewardship of technology and information resources.

## **Information Security Assurance**

Today, identity theft and fraud are common crimes. They occur quickly, indiscriminately and may go undetected. While technology helps protect confidential information, it cannot replace attentive, cautious behavior when using computers, laptops, electronic storage devices, multi-purpose copiers and print materials in file cabinets and on desks, printers and copiers.

Information security assurance is an institutional priority for Cal State L.A. Everyone on campus is responsible for protecting confidential information in every format: electronic or printed. Ongoing and vigilant efforts by the entire campus community to safeguard University information, resources,

reputation and integrity are vital. For more on information security, please call 323-343-2600 or go to [www.calstatela.edu/its/itsecurity/](http://www.calstatela.edu/its/itsecurity/).

## The California State University International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of The California State University (CSU). Since its inception in 1963, CSU International Programs has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 20,000 CSU students have taken advantage of this unique study option.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or special study center abroad. The International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 50 recognized universities and institutions of higher education in 18 countries, the International Programs also offers a wide selection of study locales and learning environments.

<b>Australia</b>	Griffith University Macquarie University Queensland University of Technology University of Queensland University of Western Sydney Victoria University
<b>Canada</b>	Concordia University (Montréal)
<b>Chile</b>	Pontificia Universidad Católica de Chile (Santiago)
<b>China</b>	Peking University (Beijing) Shanghai Jiao Tong University (Shanghai)
<b>Denmark</b>	Danish Institute for Study Abroad (international education affiliate of the University of Copenhagen)
<b>France</b>	Institut Catholique de Paris, Université de Provence (Aix-en-Provence), Universités de Paris I, III, IV, VI, VII, VIII, X, XI, XII, XIII, Université Paris-Est Marne-la-Vallée, Université d'Evry Val d'Essonne, and Université de Versailles Saint-Quentin-en-Yvelines.
<b>Germany</b>	University of Tübingen and a number of institutions of higher education in the Federal state of Baden-Württemberg
<b>Ghana</b>	University of Ghana, Legon
<b>Israel</b>	Tel Aviv University The Hebrew University of Jerusalem University of Haifa
<b>Italy</b>	CSU Study Center (Florence) Università degli Studi di Firenze La Accademia di Belle Arti Firenze
<b>Japan</b>	Waseda University (Tokyo) University of Tsukuba
<b>Korea</b>	Yonsei University (Seoul)
<b>Mexico</b>	Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro
<b>South Africa</b>	Nelson Mandela Metropolitan University, Port Elizabeth
<b>Spain</b>	Universidad Complutense de Madrid Universidad de Granada
<b>Sweden</b>	Uppsala University
<b>Taiwan</b>	National Taiwan University (Taipei) National Tsing Hua University (Hsinchu)

**United Kingdom** Bradford University  
Bristol University  
Hull University  
Kingston University  
Swansea University

International Programs pays all tuition and administrative costs for participating California resident students to a similar extent that such funds would be expended to support similar costs in California. Participants are responsible for all tuition and program fees, personal costs, such as transportation, room and board, and living expenses. Financial aid, with the exception of Federal Work-Study, is available to qualified students.

To qualify for admission to the International Programs, in most programs students must have upper division or graduate standing at a CSU campus by the time of departure. Students at the sophomore level may, however, participate in the intensive language acquisition programs in Canada, China, France, Germany, Korea, Mexico, Sweden and Taiwan. California Community Colleges transfer students are eligible to apply directly from their community colleges. Students must also possess a current cumulative grade point average of 2.75 or 3.0, depending on the program for which they apply. Some programs also have language study and/or other coursework prerequisites.

For additional information and application materials contact the International Office, Student Affairs 115, (323) 343-3170; [www.calstatela.edu/international](http://www.calstatela.edu/international); or by writing to The California State University International Programs, 401 Golden Shore, Sixth Floor, Long Beach, California 90802-4210. Visit us on the World Wide Web at [www.calstate.edu/ip/](http://www.calstate.edu/ip/)

## **Extended Education**

The College of Extended Studies and International Programs administers Extension programs, Special Sessions, Professional Development, Open University and the English Language Program (ELP).

### ***Extension Programs***

Credit and noncredit extension courses are provided at various locations for the academic, professional, and cultural enrichment of persons who do not wish to take college courses in residence. Students may take extension courses without matriculating at Cal State L.A. provided that they meet course prerequisites. Extension credit offerings are equivalent in level and quality to regular University courses, and many courses may be applied to degree and credential requirements. Extension courses do not satisfy the University's residence requirement for graduation. Schedules are flexible, but they generally parallel the University's quarter calendar. For more information about extension courses, call (323) 343-4900.

### ***Special Sessions***

Special Sessions provides degree-oriented courses and programs to persons who are unable to spend time in residence on the campus in existing programs. Courses are often conducted in nontraditional periods, sometimes at off-campus locations. The academic standards of special sessions are identical to those of comparable University programs. Examples include: interim sessions between regular terms; programs offered at remote locations; and programs for specific groups for which state support is inappropriate. Special sessions are not offered at times or places that supplant or limit offerings of state-supported programs. Degree credit earned through special sessions applies toward residence requirements. For further information, call (323) 343-4900.

### ***Professional Development***

The University works closely with community, business, and professional organizations to satisfy the educational needs of the geographic area it serves. In doing so, the University conducts a variety of professional development courses, often on site and often at atypical hours. Many courses are offered in response to requests by government agencies, business groups, and professional associations. Others are offered by Cal State L.A. on its own initiative. All courses can be customized to suit the customer's requirements. For more information, call (323) 343-4900.

### ***Open University***

Open University permits non-matriculated students to register concurrently with matriculated students in regular classes. Up to 36 units earned through Open University may be applied to a bachelor's degree at Cal State L.A., and up to 13 units may be applied to a master's degree.

Registration for Open University takes place in the College of Extended Studies and International Programs. The registration process is separate from that for matriculated students. It begins the first day of each quarter and continues for three weeks. There is no pre-registration. Students who register through Open University must obtain the signature of the instructor and the stamp of the department/division/school for each class they choose. Students may not take courses that require direct supervision or that by their nature require a one-to-one relationship with an instructor, such as directed study, independent study, research, field work, cooperative education, thesis courses, etc. Students who register for 500-level courses must obtain a letter of approval from the department/division/school chair or director. Ongoing, matriculated students may not enroll in Open University. For more information, call (323) 343-4900.

### ***English Language Program***

The English Language Program (ELP) provides intensive English language instruction to students and professionals whose first language is not English. The program is open to persons with student, business or tourist visas, to residents and to regularly enrolled students who wish to improve in



specific language areas. ELP is a non-credit program and offers intensive classes in English language skills (reading, writing, grammar, listening and speaking) along with college skills, TOEFL preparation, Business English and computer usage. Students who wish to apply may visit the ELP office located in the Golden Eagle, Room 211, or call (323) 343- 4840. ELP is authorized to issue the Certificate of Eligibility for Nonimmigrant (F-1) Student (Form I-20) needed to acquire the student visa.

## Reserve Officer Training Programs

### *Air Force ROTC*

Air Force ROTC provides selected students the opportunity to develop those attributes essential to positions of high responsibility as commissioned officers in the U.S. Air Force. This includes understanding Air Force history, doctrine, operating principles, and national security policies, demonstrating the ability to apply modern principles of management and human relations in the Air Force environment, and mastering of leadership theory and techniques. Students must demonstrate dedication to their assignments, willingness to accept responsibility, and the ability to think critically and communicate with clarity and precision.

### Scholarships

ROTC Scholarships are awarded on a competitive basis to U.S. citizens regardless of parents' income. Scholarships provide tuition, a book allowance, fees, and a tax-free monetary allowance between \$300 and \$500 per month during the academic year. Applications for scholarships may be obtained at <http://www.afrotc.com> or by calling (310) 825-1742.

### Contact

University of California Los Angeles  
218 Student Activities Center  
Box 951611  
Los Angeles, CA 90095-1611  
(310) 825-1742  
fax: (310) 825-3055  
[www.afrotc.ucla.edu](http://www.afrotc.ucla.edu)

### *Army ROTC*

The Army Reserve Officers Training Corps (AROTC) program is available to qualified Cal State L.A. students via the University of California, Los Angeles (UCLA) program. Students must follow Cal State L.A. dual registration procedures. Students are encouraged to contact UCLA ROTC for instructions on how to cross-enroll into a UCLA course.

AROTC offers interested students an opportunity to enroll in courses focused on leadership, military tactics and law, orienteering, rappelling, first aid, and national security. Participants must be physically qualified and be full-time undergraduate or graduate students. Students may take one Army ROTC course per quarter at UCLA while pursuing a regular college degree at Cal State L.A. Academic credits earned in the program normally may be counted as electives within regular college degree requirements. Completion of a regular degree and AROTC class requirements may lead to a commission as an Officer in the U.S. Army, Army Reserve, or Army National Guard. Upon graduation, Officers serve in supervisory-level positions in Military Intelligence, Law, Aviation, Communications, Engineering, Finance, Nursing, and more!

Two, three, and four-year AROTC scholarships cover (a) full tuition or housing up to \$10,000, (b) \$900 allowance for books and fees, and (c) a monthly allowance up to \$500 while the student is enrolled in school. Veterans are eligible to receive the monthly allowance as well as G.I. Bill benefits. U.S. citizenship is required for scholarship acceptance. Permanent resident students may participate in classroom and outdoor training but are ineligible for benefits until naturalized.

For further information, contact the Department of Military Science at UCLA, (310) 825-7381 or [armyrotc@milsci.ucla.edu](mailto:armyrotc@milsci.ucla.edu).

## The CSULA Alumni Association

The mission statement of the CSULA Alumni Association is:

**To advance the welfare of CSULA by providing leadership and service that strengthens the connections among students, alumni and friends and enhances the value of their affiliation with the University.**

The CSULA Alumni Association is a self-supporting nonprofit, dues-paying membership organization whose goals include engaging alumni, students and the campus community with the University.

The Association plays an important role on the campus to advocate for alumni interests. Cal State L.A.'s more than 215,000 graduates remain a vital and active catalyst in the University's growth and visibility. Alumni volunteers are active on campus committees and are in a unique position to provide advice and counsel to the University community.

The Association plans and implements programs and events for alumni, students and the University community. Perhaps the most visible program is the Alumni Awards Gala, which is held in the Luckman Fine Arts Complex and honors distinguished alumni, faculty, students and friends of Cal State L.A. Past award winners include; tennis professional Billie Jean King '79, Clippers owner Donald T. Sterling '56, President of the San Francisco Zoo

Manuel Mollinedo '70 '73 '77, and Diane Watson '67, U.S. Congress 33rd District.

To join the Alumni Association, please visit us online at <http://alumni.calstatela.edu> or at the new Alumni Center in the University-Student Union, room 102. You may also contact us at (323) 343-ALUM (2586) or email at [alum@cslanet.calstatela.edu](mailto:alum@cslanet.calstatela.edu).

## **Robert L. Douglass Speech-Language Clinic and Cal State L.A. Hearing Clinic**

*The Robert L. Douglass Speech-Language Clinic and the Cal State L.A. Hearing Clinic* are housed on campus with the Department of Communication Disorders in the College of Health and Human Services. These clinics provide training facilities that offer diagnostic and rehabilitative services. The primary objective of the Speech-Language and Hearing Clinics is to serve the University's instructional programs by providing clinical training and research opportunities within each of the areas and across disciplines. This is accomplished by providing experiences for students that range from observation of the varied clinical activities to the provision of direct services to clients at the level of the students' clinical competence. Students learn under the supervision of experienced and appropriately credentialed faculty. The services are available to the public, both children and adults, and to members of the Cal State L.A. community.

## **Research, Scholarship and Supporting Services**

Faculty members engage in research, scholarship, training, and special projects as an integral part of their academic discipline and professional development. Both undergraduate and graduate students participate, as research assistants or independent investigators under faculty guidance, in research that is basic to their learning experience. The Office of Graduate Studies and Research and the Office of Research and Development provide stimulus, coordination, support, and direction to these research efforts. Additional services are provided by University Auxiliary Services, Inc. Office of Research and Sponsored Programs, Academic Technology Support, and the John F. Kennedy Memorial Library.

## **Cal State L.A. University Auxiliary Services, Inc.**

Cal State L.A. University Auxiliary Services, Inc. (UAS) is a recognized organization of the California State University system and is a nonprofit corporation, dedicated to benefiting the welfare of California State University students, faculty, staff and alumni. The primary mission of UAS is to help develop and administer contracts and grants; operate and manage University related commercial enterprises; manage and support externally funded projects including research, workshops, and conferences, and to provide contributions that aid and supplement the University's educational mission. Working together, the University community and UAS endeavor to ensure Cal State L.A.'s continued success.

The main operations of UAS include the following services to the University community: contracts and grants administration; bookstore contract management; operation and management of campus food services; and child care services.

UAS also manages the 103,000 square-foot Golden Eagle building. Opened in 2003, the building - two adjoining structures separated by a promenade - houses food services, including a food court with seating for approximately 750, kitchen and catering operations, a 600-seat banquet and conference center, the University Club restaurant, the 25,000 square-foot two-story University Bookstore, as well as UAS administrative offices, the University's Office of Research & Sponsored Programs (ORSP), the Golden Eagle Service Center, classrooms and meeting spaces for the CSULA College of Extended Studies and International Programs and the Pat Brown Institute.

The policy-making responsibility for the UAS is vested in its board of directors, whose members represent a cross-section of the campus community and local service area.

For more information, visit the UAS website at [www.universityauxiliarieservices.org](http://www.universityauxiliarieservices.org).

### ***University Bookstore***

The University Bookstore, operated by Barnes & Noble College Stores, Inc., and under the auspices of the University Auxiliary Services, Inc., is located on the first and second floors in the east structure of the Golden Eagle Building. Textbooks, course packs, general books, software, study aids, Cal State L.A. clothing, school supplies, and gift items are available. Also located within the Bookstore is a convenience store that offers a selection of grab & go food, beverage and sundry items.

## **Endowed Chairs**

### ***Joseph A. Bailey II, M.D. Endowed Chair in American Communities***

The endowed chair in American Communities is housed in the College of Arts and Letters. Funding was made possible by private donations, the National Endowment for the Humanities, and a naming gift from Joseph A. Bailey II, M.D., a retired orthopedic surgeon. Sub-funds of the endowed chair are established for the study of the African American Experience and the Jewish American Experience.

The individual who is selected to fill this chair explores the question "What does it mean to be an American?" through teaching, research and the sharing of insights. The chair studies the process of transition from traditional cultures to American communities, examining the impact of that process on the evolution of American culture and values. The full range of humanities disciplines provide the lens through which to explore the ways that this identity is embodied or reflected in American cultural expressions.

### ***Matthew J. Guglielmo*** ***Endowed Chair in Mental Retardation***

The Endowed Chair in Mental Retardation, housed in the Division of Special Education and Counseling, Charter College of Education, was established to honor Matthew J. Guglielmo, former vice president of The Broadway Department Stores, and was made possible by contributions from the The Broadway and friends of Mr. Guglielmo.

Mr. Guglielmo has dedicated a major part of his life to focusing public attention on problems of the developmentally disabled. The chair continues to support excellence in teaching, significant research in the study of mental retardation, and collaboration between Cal State L.A. and community agencies and institutions that serve mentally retarded persons and their families.

### ***Northrop Grumman Engineering Endowed Chair***

The Northrop Grumman Engineering Endowed Chair was established in the College of Engineering, Computer Science, and Technology to bring distinguished engineers and engineering educators in the field of design and manufacturing to the College for a one- to two-year period. Funding was made possible through a generous lead gift from the Northrop Grumman Corporation and additional matching support received from other smaller companies throughout the Southern California business community.

The individual selected to fill the chair works with the College faculty and administration to provide leadership in improving the quality of Cal State L.A.'s engineering, computer sciences and technology programs, enhance the College's manufacturing curriculum, and assist the College in fostering strong relationships with key contacts in industry and government to strengthen our research and external support

## **Presidentially Chartered Centers, Institutes and Bureaus at California State University, Los Angeles**

A presidentially chartered center, institute, or bureau is an entity chartered by the President of the University to further the mission of the campus. The following descriptions explain the focus of each.

### ***Applied Gerontology Institute***

The institute's purpose is to improve the quality of care and delivery of services to older persons through the interdisciplinary education and training of professionals, paraprofessionals, family members, community agency personnel, and volunteers. Of special interest is the development and promotion of programs to serve culturally diverse groups. The Institute emphasizes the development of partnerships between the University and the community that promote the well being of older persons and improve service delivery. An additional goal is to seek financial support in the form of scholarships for students planning to enter health and human service careers with a specialization in aging.

The Institute coordinates a multidisciplinary program to earn a certificate in Applied Gerontology designed to assist individuals interested in increasing their knowledge, understanding, skills, and effectiveness with older populations, especially the multiethnic and multiracial elderly. The program is designed not only for individuals interested in careers in gerontology but also those who are seeking a career change and those already in the field seeking to enhance their opportunities for advancement. Educational opportunities in developing expertise in community-based health and welfare programs as they relate to policy development have also been implemented.

### ***Asian and Asian American Institute***

The purpose of the institute is to identify issues and coordinate activities leading to the understanding and betterment of Asians and Asian Americans at Cal State L.A. Although it functions primarily as a campus resource and as a bridge between the University and its surrounding communities, the Institute promotes and supports programs that encourage Asian and Asian American research. It works closely with the Asian and Asian American Studies programs and other ethnic studies programs on and off campus.

### ***Asian Pacific Business Institute***

Housed in the College of Business and Economics at Cal State L.A., the Asian Pacific Business Institute aims to support and foster cooperative relationships between the college and local business organizations. The growing importance of Asian economies has been one of the most significant global economic developments since the early 1980s. Increased economic interdependence between Asian countries and the U.S. leads to a variety of problems and issues concerning international business, but it also creates many opportunities. The Asian Pacific Business Institute seeks to provide support for both the business community and the University to identify, exploit, and benefit from those opportunities. The institute serves a wide range of audiences by developing, organizing, and promoting activities that can benefit students, faculty, and the business community. Through its activities, the institute can help advance the University's educational and public service missions, as well as contribute to economic development in Los Angeles. In addition, its activities can promote understanding and interaction among people from different parts of the world. The institute provides a wide range of expertise, services, and information that can benefit students, faculty, and the business community. Examples include executive training programs, business seminars, research, and exchange and internship programs.

### ***Bureau of Business and Economic Research***

The College of Business and Economics maintains a research bureau to encourage, facilitate, and communicate faculty and student research. The bureau's primary objective is to relay information about research opportunities and ongoing research efforts to faculty members and students. In addition, it assists in the preparation of research proposals, coordinates research efforts, and provides research advising services for M.S. and M.B.A.

degree candidates.

### ***California Forensic Science Institute***

The California Forensic Science Institute, housed in the College of Health and Human Services, serves as the academic, research and development arm of the Regional Crime Laboratory, which will be a joint effort of the Los Angeles County Sheriff's Department, the Los Angeles Police Department, and the California Department of Justice. The CFSI research program will bridge the gap between scientific advances and crime laboratory utilization, and in addition, the institute will offer in-service training courses for current criminal justice system professionals.

### ***Center for Contemporary Poetry and Poetics***

The mission of the Center for Contemporary Poetry and Poetics is to provide a forum for parties interested in poetry and poetics. The Center sponsors activities and events which promote the presentation of the full diversity of poetic voices from the whole range of cultural backgrounds and in all poetic genres. The Center promotes the appreciation and understanding of contemporary poetry and poetics in all of its forms and it encourages research in poetry and poetics. By creating a forum for dialogue, research, celebration, production, and presentation of poetry and poetics, the Center serves as the vehicle to bring together scholars, students, poets, the community, and other interested parties for the study, creation, preservation, and promotion of poetry.

### ***Center for Engineering and Technology Education***

Operated by the Department of Technology, College of Engineering, Computer Science, and Technology, the Center provides support and assistance for teachers, public agencies, business, and industry, including professional support and consulting, in-service activities, conferences and workshops, and disseminates professional information through an electronic bulletin communications network. Professional services offered in technology education and technical training include course, curriculum, and program development in advanced technologies such as robotics, computer-aided design (CAD), computer-aided manufacturing (CAM), desktop publishing, and fluid power. Assistance in problem solving for teachers of students with special needs also is provided.

### ***Center for Excellence in Early Intervention***

Housed in the Division of Special Education and Counseling, the Center was founded to create a model program for training early intervention professionals. Its objectives include developing, demonstrating, and evaluating the best practices in early intervention service delivery to young children with special needs and their families; providing early intervention training to professionals, paraprofessionals, and parents; developing and evaluating early intervention training and service delivery materials for dissemination to special educators, child development specialists, speech clinicians, allied health professionals, social workers, psychologists, physicians, and parents; and developing and operating a media and material library about early intervention.

### ***Center for Japanese Studies***

The Center serves Cal State L.A. and the community as a source to aid faculty, students, and the general public in broadening and deepening their knowledge of Japan, its people, and culture. The center promotes Japanese research and academic studies and supports educational and cultural programs, seminars, guest lectures, and conferences. The office maintains a collection of basic bibliographies and essential reference materials.

### ***Center for Korean-American and Korean Studies***

The Center is a depository of historical and cultural materials about Korea and Korean-Americans. Major objectives of the center are to promote, coordinate, and conduct research activities about various aspects of Korean culture and tradition, including oral histories; to compile, document, and produce curriculum materials about Korean folklore, art, music, and social activities; to develop extended studies programs about the Korean community's activities and programs for students, teachers, and the general public; to develop and produce curriculum materials and courses about Korean-American and Korean culture, tradition, and life; and to sponsor seminars, symposia, and exhibits about Korean culture and tradition.

### ***Center for Multicultural Education***

The Center's specific goals and objectives are to provide in-service training for faculty and staff, and pre-service training to students about issues related to cultural pluralism, diversity, and multicultural education. The center can also provide assistance to faculty seeking a greater degree of infusion of multiculturalism into their curriculum. The Center provides technical assistance to college districts, and offers a Saturday morning field experience for Cal State L.A. students who tutor students from the community who are at educational risk.

### ***Center for the Study of Genders and Sexualities***

The Center for the Study of Genders and Sexualities is a university-wide, interdisciplinary center housed in the College of Arts and Letters. It is dedicated to providing support for scholars, teachers, and students who investigate gender and sexuality, particularly as they are exemplified in the diverse communities represented at Cal State L.A. and its surrounding area. Among the center's goals are to provide an institutional base of support for feminist, gay, lesbian, bisexual, and transgender scholarship, to support the revitalization of the Women's and Gender Studies curriculum, to offer campus networking events that support interdisciplinary investigation, to sponsor events and conferences including visiting scholars, artists, and public figures, and to support the provision of mentoring for students.

### ***Child Abuse and Family Violence Institute***

The institute's purpose is to promote effective prevention of, and intervention in, child abuse and domestic violence by providing interdisciplinary educational training and policy development programs, and state-of-the-art resources for students, professionals, and the community. The institute promotes interdisciplinary cooperation between the University and community agencies by identifying the University as a focal point and resource within the community, county, and state, and internationally to provide professional education and research in child abuse and domestic violence. A broad scope of interdisciplinary educational training, research, and field placement opportunities and programs is available to prepare individuals to provide effective multidisciplinary health and human services to maltreated children and their families.

### ***Chinese Studies Center***

The Center endeavors to promote understanding of, and interest in, China by sponsoring conferences, seminars, guest lectures, exhibits, concerts, and other Chinese cultural activities. It maintains a small library of basic reference materials about China. These materials are available to faculty, staff, and students. The center also serves the Chinese communities in Los Angeles and assists Cal State L.A. students of Chinese descent, and helps promote research and teaching in Chinese studies.

### ***Edmund G. "Pat" Brown Institute of Public Affairs***

The Pat Brown Institute of Public Affairs (PBI), named for former California Governor Edmund G. "Pat" Brown (1959-1967), is a nonpartisan, applied public policy center dedicated to the quest for social justice and equality of opportunity, enlightened civic engagement, and enhancing the quality of life for all Californians. PBI sustains the vision and legacy of the former California Governor through convening public policy forums, engaging multi sector stakeholders and diverse communities, and conducting timely policy research and community-driven initiatives.

Located on the Cal State L.A. campus since 1987, the PBI has developed a series of distinguished programs to carry out the urban mission of the University and create more inclusive and empowered urban communities in Southern California. They include the Public Policy Education Program, the Health Policy Outreach Center, and the Youth Enrichment Policy Program.

The Institute also offers public policy internships. In these efforts, the Institute works in collaboration with and on behalf of various community partners and constituencies including underserved communities and community organizations, K-12 schools, colleges and universities, state/local elected officials, public agencies, corporations, organized labor, and foundations.

### ***Institute of Entrepreneurship***

This institute, operated by the College of Business and Economics, provides programs and seminars and conducts research for small businesses in the product and service sectors. The programs, seminars, and courses are designed to provide the necessary training individuals need to succeed in small businesses. Research is conducted to provide insight into potential problems of small businesses and to suggest solutions. Publications for entrepreneurs are made available. The institute functions as a clearinghouse for information relative to small businesses. Other institute activities include assistance in advising students who are enrolled in the Entrepreneurship option of the B.S. degree in Business Administration and making available an information bank to both students and professionals.

### ***Institute for Executive Leadership***

The Institute for Executive Leadership assists administrators in Southern California and Pacific Rim nations such as China to meet the needs of society for high-quality leadership in public service and an efficient and ethical government. More specifically, the institute provides opportunities for public administrators to further their training and education in such areas as management technologies, communication and administrative ethics. The Institute for Executive Leadership has a three-fold strategy to achieve its mission: 1) Provide training workshops and seminars to upgrade and update administrative skills, and other educational opportunities for exchanging administrative experiences among officials from different government agencies at home and abroad; 2) Assist other governments in setting up training programs for public servants through offering professional advice; and 3) Create opportunities for faculty in public administration to lecture in other countries to help fledgling public administration programs at undergraduate and graduate levels.

### ***Institute of Nursing***

The Institute's primary purpose is to provide a vehicle for closer collaboration between the University and community agencies that provide health care. The institute emphasizes development of joint ventures and/or partnerships that lead to cost-benefit modes of health care delivery to a culturally diverse society. The institute's primary goals are to improve the quality of nursing education, to develop effective strategies for recruitment and retention of nursing students, to help meet the staffing needs of nursing services, to improve the quality of nursing practice, and to facilitate collaboration in the areas of research, teaching, and grant writing.

### ***Institute of Retail Management***

The Institute of Retail Management prepares college students for management level careers in major retail companies. For those who have an entrepreneurial inclination, it provides the expertise to open and operate their own retail business. The institute raises funds for retailing scholarships and cooperates closely with the Career and Development Center to increase retail recruitment on campus, as well as to create retail internships. The institute sponsors a Retailer of the Year Award Luncheon, one of the nation's major retailing events, at which a senior retail executive is honored for outstanding contributions to the retail industry. The institute administers the nationally acclaimed Institute of Retail Management College Incentive Program, a retail-jobs training program for Los Angeles innercity high college students, many of whom are awarded retailing scholarships and go on to college. The Institute's Advisory Council consists of executives of major retail and retail-related companies.

## ***Pacific Contemporary Music Center***

The Pacific Contemporary Music Center encourages the performance and promotes the awareness of contemporary musical compositions by composers from the Pacific Rim countries. The center sponsors contemporary music festivals and encourages other countries, universities, and organizations to join in sponsoring such festivals to present the members' compositions; encourages the mass media in participating countries to broadcast the members' music by providing copies of sound recordings; maintains a library of members' published and unpublished scores, sound recordings, performance documentation, and biographies; sends scores anywhere in the world for a period no longer than one month; publishes an annual catalog of the library holdings; sponsors and encourages contemporary seminars; and encourages research.

## ***Pacific Rim Institute***

A consortium created by Cal State L.A. and a group of Asian and U.S. firms to increase exchanges and improve communication and understanding between their corporate cultures, the institute seeks to provide managers in both U.S. and Pacific Asian business communities the knowledge and skills needed for managing the challenge of cultural differences. It also endeavors to increase their effectiveness in working together in each other's environment. These goals are accomplished through the presentation of seminars, forums, and briefings.

## ***Roger Wagner Center for Choral Studies***

The center provides a structure within which teachers, scholars, and performing artists can teach choral music; explore and encourage composition of new repertoire; foster research and scholarly publication of emerging topics pertinent to choral study. The center's activities include co-sponsorship of an international conference on Gregorian chant, presentation of a collection of scholarly articles, and an international choral composition contest.

# **Consortia**

## ***California Desert Studies Consortium***

The California Desert Studies Consortium consists of seven Southern California campuses of The California State University which, together with the National Park Service, operate the Desert Studies Center in the eastern Mojave Desert. Participating campuses include Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona, and San Bernardino. The purpose of the center is to provide a field facility in the Mojave Desert to develop desert studies educational programs and research activities.

Established in 1976, the center serves students in the areas of anthropology, astronomy, biology, engineering, geography, and geology and provides a substantial support base for environmental and ecological studies that have immediate implications for effective management of desert resources. The central location allows accessibility to all parts of the desert region. Lodging and laboratory/storage space are offered in support of field-oriented courses. The center also provides a site for independent study courses and research of desert phenomena by individual students and faculty.

The Desert Studies Consortium is administered by the CSU Fullerton campus. Cal State L.A.'s representatives to the consortium are Dr. Alan Muchlinski, associate dean, Graduate Studies and Research and Dr. Barry Hibbs, associate professor of Geological Sciences. For more information, contact Dr. Muchlinski at (323) 343-3820.

## ***Ocean Studies Institute (OSI)***

Opportunities for undergraduate and graduate study in the coastal environment are provided by the Ocean Studies Institute (OSI), which comprises eight State University campuses: Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona, San Bernardino, and San Marcos. The OSI is administered by the Long Beach campus. The OSI operates out of the docks and laboratory facilities of the Southern California Marine Institute (SCMI), Fish Harbor, Terminal Island in the Los Angeles - Long Beach Harbor.

The OSI participates in training managers and scientists and educating the public by coordinating and facilitating marine educational and research activities. In addition, the institute serves as an educational and research liaison among regions, states, and nations.

Seagoing research laboratory and instructional facilities are provided aboard the R. V. Yellowfin, an oceangoing research vessel. The Yellowfin is the property of the institute, and its use is scheduled through the office of the SCMI at (310) 519-3172.

Several courses within the departments of Biological Sciences, Geological Sciences, and Psychology and the College of Engineering, Computer Science, and Technology, among others, utilize the Yellowfin and other Consortium facilities. These courses are announced in the *Schedule of Classes* each quarter. In addition, the eight campuses offer an intensive course of study each fall at the USC Wrigley Institute for Environmental Studies on Santa Catalina Island. Courses cover topics in marine biology and ecology, specialty areas, and a culminating research experience. Credits apply to graduation at the student's home campus.

Cal State L.A.'s representatives to the consortium are Dr. James Henderson, Dean, College of Natural and Social Sciences, and Dr. Elizabeth Torres, professor of Biological Sciences. For additional information, contact Dr. Henderson at (323) 343-2000 or Dr. Torres at (323) 343-2179.

## Admissions

- AP Examinations
- General Information
- Undergraduate Admission Requirements
- Undergraduate Application Procedures
- Graduate and Postbaccalaureate Admission Requirements
- Graduate and Postbaccalaureate Application Procedures

## Admissions General Information

Requirements for admission to California State University, Los Angeles are set in accordance with Title 5, Chapter 1, Subchapter 3, of the *California Code of Regulations*. Complete information is available at [www.csumentor.edu/planning/](http://www.csumentor.edu/planning/). Information is also available from Cal State L.A.'s Office of Admissions and Recruitment, Student Affairs 101, phone (323) 343-CSLA.

Electronic versions of CSU undergraduate and graduate applications are accessible on the World Wide Web at <http://www.csumentor.edu/>. The CSUMentor system allows students to browse through general information about CSU's twenty-three campuses, view multimedia campus presentations, send and receive electronic responses to specific questions, and apply for admission.

Applying online via [www.csumentor.edu](http://www.csumentor.edu) is expected unless electronic submission is impossible. An acknowledgement will be sent when online applications have been submitted. Application in "hard copy" form may be obtained online via [www.csumentor.edu](http://www.csumentor.edu) as a portable data format (PDF). Application forms (in PDF) may also be downloaded from [www.calstate.edu/sas/publications](http://www.calstate.edu/sas/publications). [Paper applications should be mailed to the campus admission office(s)]

Cal State L.A. admits high school graduates as first-time freshmen, those from community colleges and degree-granting colleges and universities as undergraduate transfer students, and those who hold acceptable baccalaureates as postbaccalaureate or graduate students.

### Importance of Filing Complete and Accurate Application for Admission Documents

Cal State L.A. advises prospective students that they must supply complete and accurate information on the application for admission, residency questionnaire, and financial aid forms. Further, applicants must, when requested, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, *California Code of Regulations*).

### Residence Determination

The determination about whether students qualify as legal residents of California for admission and tuition purposes is made by a review of information in the residence questionnaire that all applicants submit with their application for admission. For a summary statement of the principal rules and exceptions about residence determination, see Appendix B.

### Intrasystem and Intersystem Enrollment Programs

Students enrolled at any CSU campus will have access to courses at other CSU campuses on a space available basis unless those campuses or programs are impacted or admission to the desired program or admission categories are closed. This access is offered without students being required to be admitted formally to the host campus and sometimes without paying additional fees. Although courses taken on any CSU campus will transfer to the student's home CSU campus as elective credit, students should consult their home campus academic advisors to determine how such courses may apply to their specific degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California community colleges. Additional information about these programs is available from the Office of Admissions and Recruitment at (323) 343-3901.

CSU Concurrent Enrollment – matriculated students in good standing may enroll on a space available basis at both their home CSU campus and a host CSU campus during the same term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

CSU Visitor Enrollment – matriculated students in good standing enrolled at one CSU campus may enroll on a space available basis at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

Intersystem Cross Enrollment – matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

### CSU Immunization Requirements

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment.

#### **Measles and Rubella**

All new and readmitted students must provide proof of full immunization against measles and rubella prior to enrollment.

#### **Hepatitis B**

All new students who will be 18 years of age or younger at the start of their first term at a CSU campus must provide proof of full immunization against Hepatitis B before enrolling. Full immunization against Hepatitis B consists of three timed doses of vaccine over a minimum 4 to 6 months period. If you need further details or have special circumstances, please consult the Student Health Center at (323) 343-3300. Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination. These are **not** admission requirements, but are required of students as conditions of enrollment in CSU.

#### **Meningitis**

Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and

the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination. These are not admission requirements, but are required of students as conditions of enrollment in CSU (CSU Executive Order No. 803). These proofs of immunizations may be sent by mail, brought in person, or faxed to the Student Health Center at (323) 343-3301.

#### ***Meningococcal Disease Information***

Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination.

The above are not admission requirements, but are required of students as conditions of enrollment in CSU. (CSU Executive Order No. 803). These proofs of immunizations may be sent by mail, brought in person, or faxed to the Student Health Center at (323) 343-3301.

#### ***Tuberculosis (TB)***

In addition to the above Measles/Rubella immunization requirement, all new and returning international students and Student Housing tenants must provide acceptable proof of a negative tuberculosis (TB) test or chest x-ray taken within the past year. The form is available in the Housing Services offices. Verification may be sent by mail, brought in person, or faxed to the Student Health Center at (323) 343- 3301. The Student Health Center mailing address is: Student Health Center, Cal State L.A., 5151 State University Drive, L.A., CA 90032-8411.

Measles/Rubella immunizations and TB tests and chest x-rays are offered at the Student Health Center. Call the MR/TB Information Line, (323) 343-3300, for complete instructions, clinic dates, and fees. For questions you may have regarding a registration hold, call directly to (323) 343-6547. The fax number is (323) 343-6557.

#### ***Reservation***

The University reserves the right to select its students and deny admission to the University or any of its programs as the University, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the University.

## **Undergraduate Admission Requirements**

### ***Freshman Requirements***

Generally, first-time freshman applicants will qualify for regular admission if they:

1. Have graduated from high school, have earned a Certificate of General Education Development (GED) or have passed the California High School Proficiency Examination; and
2. Have a qualifying minimum eligibility index (see section on Eligibility Index), and
3. Have completed with grades of C or better each of the courses in the comprehensive pattern of college preparatory subject requirements also known as the "a-g" pattern (see "Subject Requirements"). The university has no current plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

#### ***Eligibility Index***

Eligibility Index – The eligibility index is the combination of the high school grade point average and scores on either the ACT or the SAT. Grade point averages (GPA) are based on grades earned in courses taken during the final three years of high school. Included in calculation of GPA are grades earned in all college preparatory "a-g" subject requirements, and bonus points for approved honors courses.

Up to eight semesters of honors courses taken in the last three years of high school, including up to two approved courses taken in the tenth grade can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

A CSU Eligibility Index (EI) can be calculated by multiplying a grade point average by 800 and adding your total score on the mathematics and critical reading scores of the SAT. Students who took the ACT, multiply your the grade point average by 200 and add ten times the ACT composite score. Persons who are California high school graduates (or residents of California for tuition purposes), need a minimum index of 2900 using the SAT or 694 using the ACT. The Eligibility Index Table illustrates several combinations of required test scores and averages.

The CSU uses only the SAT mathematics and critical reading scores in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses in the computation of the CSU Eligibility Index.

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3502 (SAT) or 842 (ACT). Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

An applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is not required to submit test scores. However, all applicants for admission are urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission. Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses and programs require SAT or ACT scores of all applicants for freshman admission.

#### ***Subject Requirements***

The California State University requires that first-time freshman applicants complete, with grades of C or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- 2 years of social science, including 1 year of U.S. history, or U.S. history and government.
- 4 years of English.
- 3 years of math (algebra, geometry and intermediate algebra).
- 2 years of laboratory science (1 biological and 1 physical, both must include laboratory instruction).
- 2 years in the same language foreign language (subject to waiver for applicants demonstrating equivalent competence).
- 1 single year long approved course in visual and performing arts: art, dance, drama/theater, or music.
- 1 year of electives: selected from English, advanced mathematics social science, history, laboratory science, foreign language, visual and performing arts or other courses approved and included on the UC/CSU "a-g" list.

#### ***Foreign Language Subject Requirement***

The foreign language subject requirement may be satisfied by applicants who demonstrate competence in a language other than English equivalent to, or higher than, that expected of students who complete two years of foreign language study. Consult your school counselor or any CSU campus Admissions or Outreach and Recruitment Office for further information.

#### ***Substitution for Students with Disabilities***

Applicants with disabilities are encouraged to complete college preparatory course requirements if possible. If you are judged unable to fulfill a specific course requirement because of your disability, you may substitute alternative college preparatory courses for specific subject requirements.

Substitutions may be authorized on an individual basis after review and recommendation by your academic adviser or guidance counselor in consultation with the director of a CSU program for students with disabilities. Although the distribution may be slightly different from the course pattern required of other students, students who qualify for substitutions will still be held for 15 units of college preparatory study. You should be aware that failure to complete courses required for admission may limit your later enrollment in certain majors, particularly those involving mathematics. For further information and substitution forms, please contact the Director of Services for Students with Disabilities at your nearest CSU



campus.

### **Honors Courses**

Grades in up to eight semester courses designated as honors courses in approved subjects and taken in the last two years of high school receive additional points in grade point average calculations. Each unit of A in approved courses will receive a total of 5 points; B, 4 points; and C, 3 points.

### **College Preparatory Courses Recommended**

Most academic advisers agree that preparation for university study includes preparation in subjects beyond English and mathematics. Bachelor's degree curricula build upon previous study in the natural sciences, social sciences, visual and performing arts, foreign languages, and the humanities. Students who plan to major in mathematics, the sciences (including computer science), engineering, premedicine, other science-related fields, business, or economics should complete four years of college preparatory mathematics. Students in the social sciences and preprofessional fields of study should include at least three years of college preparatory mathematics in their studies. Further, all students should include English and mathematics in the final year of high school.

### **Provisional Admission of Transfer Students**

Cal State L.A. may provisionally or conditionally admit transfer applicants based on their academic preparation and courses planned for completion. The campus will monitor the final terms to ensure that those admitted complete all required courses satisfactorily. All accepted applicants are required to submit an official transcript of all college level work completed. Campuses may rescind admission for any student who is found not to be eligible after the final transcript has been evaluated. In no case may such documents be received and validated by the university any later than a student's registration for their second term of CSU enrollment.

### **Transcript and Test Score Requirements**

First-time freshman applicants should not request high school transcripts to be sent to the University until the date of high school graduation is posted on their high school transcript, or unless requested by the University to do so. Transcripts must be sent directly from the high school to Cal State L.A.'s Office of Admissions and Recruitment. All transcripts become University property and will not be released or copied, except for students who request that their application be redirected to another CSU campus. For fall applicants graduating from high school in June, the final high school transcript with date of high school graduation posted must be received by July 15, or the term's specified transcript deadline date, to ensure enrollment and to prevent the offer of admissions from being cancelled. For applicants with a final calculated high school grade point average of less than 3.00, an SAT or ACT score is required which generally is included on the high school transcript.

### **Foreign High School Graduates**

Applicants who are graduates of secondary schools in foreign countries will have their records assessed for academic preparation and equivalence to those of eligible California high school graduates. The SAT and/or ACT is not an admission requirement from these individuals, except when specifically requested to do so.

Applicants who have graduated from U.S. high schools abroad will be held to academic requirements as those who have graduated from high schools outside California. Please refer to the transcript and test score requirements as noted in the above paragraph.

### **Transfer Requirements**

Students who have completed fewer than 60 transferable semester college units (fewer than 90 quarter units) are considered lower division transfer students. Students who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper division transfer students. Students who complete college units during high school or through the summer immediately following high school graduation are considered first-time freshmen and must meet those admission requirements. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses and accepted as such by the campus to which the applicant seeks admission.

### **Lower Division Transfer Admission Requirements**

Generally, applicants will qualify for admission as a lower division transfer student if you have a grade point average of 2.0 (C or better) in all transferable units attempted, are in good standing at the last college or university attended, and meet any of the following standards:

1. Will meet the freshman admission requirements in effect for the term to which you are applying (see "Freshman Requirements" section); **or**
2. Were eligible as a freshman at the time of high school graduation except for the subject requirements, and have been in continuous attendance in an accredited college since high school graduation, and have made up the missing subjects.

Applicants who graduated from high school prior to 1988 should contact the Admissions Office to inquire about alternative admission programs. *(Due to enrollment pressures, many CSU campuses do not admit lower division transfer applicants.)*

For admission, Cal State L.A. requires an official final transcript prior to a specified date to verify successful completion of English composition and college level mathematics if either or both courses are "in progress" or "planned" at the time of application. Refer to your letter of admission for additional information.

### **Upper Division Transfer Admission Requirements**

Generally, applicants will qualify for admission as an upper division transfer student if they meet all of the following requirements:

1. They have a grade point average of 2.0 (C or better) in all transferable units attempted; (nonresidents must have a 2.4 grade point average or better), **and**
2. They are in good standing at the last college or university attended; and they have completed at least sixty (60) transferable semester units of college coursework with a grade point average of 2.0 or higher and a grade of C or better in each course used to meet the CSU general education requirements in written communication, oral communication, critical thinking and quantitative reasoning, e.g. mathematics. The 60 units must include at least 30 units of courses, which meet CSU general education requirement including all of the general education requirements in communication in the English language (both oral and written) and critical thinking and the requirement in mathematics/quantitative reasoning (usually 3 semester units) **OR** the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

For admission, Cal State L.A. requires an official final transcript prior to a specified date to verify successful completion of both the 90 quarter unit requirement and the requirements in English, oral communication, critical thinking and mathematics if any of these requirements are "in progress" or "planned" at the time of application. Refer to your letter of admission for additional information.

### **Student Transfer Achievement Reform (STAR) Act (SB 1440)**

The Student Transfer Achievement Reform (STAR) Act (SB 1440) establishes an Associate in Arts (AA-T) or Associate in Science (AS-T) for transfer for California Community College student and is designed to provide a clear pathway to the CSU degree major.

California Community College students who earn a transfer associate (AA-T or AS-T) degree are guaranteed admission with junior standing to the CSU and given priority admission over other transfer students when applying to a local campus, or non-impacted program. AA-T or AS-T admission applicants are given priority consideration to impacted campus and/or program that has been deemed similar to the degree completed at the community college. Students who have completed an AA-T/AS-T in a program deemed similar to a CSU major are able to complete remaining requirements for graduation within 60 semester units.

### **Transfer Policies of CSU campuses**

Authority for decisions regarding the transfer of undergraduate credits is delegated to each California State University (CSU) campus. Most commonly, college level credits earned from

an institution of higher education accredited by a regional accrediting agency recognized by the United States Department of Education is accepted for transfer to campuses of the CSU.

The CSU General Education-Breadth (GE-Breadth) program allows California community college transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer. Up to 39 of the 48 GE-Breadth units required can be transferred from and certified by a California college. "Certification" is the official notification from a California community college that a transfer student has completed courses fulfilling lower-division general education requirements. The CSU GE-Breadth certification course list for particular community colleges can be accessed at [www.assist.org](http://www.assist.org).

Campuses may enter into articulation agreements on either a course for course or program to program basis. Such articulations are common between CSU campuses and any or all of the California community colleges, but may exist between CSU campuses and other institutions. Established CSU/CCC articulations may be found on [www.assist.org](http://www.assist.org).

No more than 70 semester units may be transferred to a CSU campus from an institution which does not offer bachelor's degrees or their equivalents, e.g., community colleges. Given the university's 30-unit residency requirement, no more than 90 total units may be transferred into the university from all sources.

### **Making Up Missing College Preparatory Subject Requirements**

Lower division transfer applicants who did not complete subject requirements while in high school may make up missing subjects in any of the following ways.

- Complete appropriate courses with grades of C or higher in adult school or high school summer sessions.
- Complete appropriate college courses with grades of C or higher. One college course of at least three semester units or four quarter units will be considered equivalent to one year of high school study.
- Earn acceptable scores on specified examinations, e.g., SAT subject tests.

Please consult any CSU Admissions Office for further information about alternative ways to satisfy the subject requirement. *(Due to enrollment pressures, many CSU campuses do not admit or enroll lower division transfer applicants.)*

### **Test Requirements**

#### ***Scholastic Aptitude Test (SAT) and American College Test (ACT)***

Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit are strongly encouraged to submit scores, unless exempt (see "Eligibility Index" on page 21), from either the ACT or the SAT of the College Board. Persons who apply to an impacted program may be required to submit test scores and should take the test no later than November or December. Test scores also are used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from school or college counselors or from a CSU campus testing office located in the Library, Rm. 2098, (323) 343-3160. Or students may write to or call:

The College Board (SAT)  
Registration Unit, Box 6200  
Princeton, New Jersey 08541-6200  
(609) 771-7588  
[www.collegeboard.org](http://www.collegeboard.org)

ACT Registration Unit  
P.O. Box 414  
Iowa City, Iowa 52240  
(319) 337-1270  
[www.act.org](http://www.act.org)

#### **English Language Requirement**

All undergraduate applicants whose native language is not English and who have not attended schools at the secondary level or above for at least three years full time where English is the principal language of instruction must present a score of 500 or above on the Test of English as a Foreign Language (TOEFL). Some majors may require a score higher than 500. Applicants taking the Computer Based Test of English as a Foreign Language must present a score of 173 or above. Some majors and some campuses may require a higher score. A few campuses may also use alternative methods of assessing English fluency: Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP).

Each campus will post the tests it accepts on its website and will notify students after they apply about the tests it accepts and when to submit scores.

Cal State L.A. minimum respective test standards for undergraduate applicants are:

	<b>Internet</b>	<b>Paper</b>
TOEFL		
Undergraduate	61	500
Graduate	80	550
IELTS	Not applicable	
PTE	44	

To obtain TOEFL registration materials, locations and test dates, write to:

Educational Testing Service  
P. O. Box 6154  
Princeton, New Jersey 08541-6151  
[www.toefl.org](http://www.toefl.org)

You also may contact the U. S. embassy in your country for TOEFL information. Request that your TOEFL test results be sent directly to California State University, Los Angeles (institution code 4399).

#### **Systemwide Placement Test Requirements**

The California State University requires that each entering undergraduate, except those who qualify for an exemption, take the CSU Entry Level Mathematics (ELM) examination and the CSU English Placement Test (EPT) prior to enrollment.

These placement tests are not a condition for admission to the CSU, but they are a condition of enrollment. These examinations are designed to identify entering students who may

need additional support in acquiring college entry-level English and mathematics skills necessary to succeed in CSU baccalaureate-level courses. Undergraduate students who do not demonstrate college-level skills both in English and in mathematics will be placed in appropriate remedial programs and activities during the first term of their enrollment. Students placed in remedial programs in either English or mathematics must complete all remediation in their first year of enrollment. Failure to complete remediation by the end of the first year may result in denial of enrollment for future terms.

Students register for the EPT and/or ELM at their local CSU campus. Questions about test dates and registration materials may be addressed to the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

*All nonexempt undergraduates must complete the EPT and ELM after admission and before first enrollment in courses at Cal State L.A.*

### **English Placement Test (EPT)**

The English Placement Test (EPT) is designed to assess the level of reading and writing skills of students entering the California State University. The CSU EPT must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses. Students who score 147 or above on the EPT will be placed in college-level composition classes.

Exemptions from the EPT are granted only to those who present proof of one of the following:

- A score of 500 or above on the critical reading section of the College Board SAT Reasoning Test
- A score of 22 or above on the American College Testing (ACT) English Test
- A score of 3 or above on either the Language and Composition or Composition and Literature examination of the College Board Scholastic Advanced Placement Program
- Completion and transfer to CSU of the credits for a college course that satisfies the CSU General Education requirement in English Composition, provided such a course was completed with a grade of C or better
- A score of "Exempt" or "Ready for college-level English courses" on the CSU Early Assessment Program (EAP) taken along with the English Language Arts California Standard Test in grade 11

Verification of successful completion of the appropriate course may be required either before registration or by the document deadline date specified at the time of admission. Students who do not submit the required documentation by the time specified are subject to having their admission rescinded and, if enrolled, being dropped from all courses.

The results of the EPT will not affect admission eligibility, but will be used to identify students who need special help in reading and writing to complete college-level work. Information bulletins for the EPT may be obtained at the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

### **Entry Level Mathematics (ELM) Placement Examination**

The Entry Level Mathematics (ELM) Examination is designed to assess and measure the level of mathematics skills acquired through three years of rigorous college preparatory mathematics coursework (Algebra I and II, and Geometry) of students entering the California State University (CSU). The CSU ELM must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses. Students who score 50 or above on the ELM will be placed in college-level mathematics classes.

Exemptions from the ELM are granted only to those who present proof of one of the following:

- A score of 550 or above on the mathematics section of the College Board SAT Reasoning Test
- A score of 550 or above on a College Board SAT Subject Test in Mathematics (level 1 or level 2)
- A score of 23 or above on the American College Testing (ACT) Mathematics Test
- A score of 3 or above on the College Board Advanced Placement Calculus AB or Calculus BC exam
- A score of 3 or above on the College Board Advanced Placement Statistics examination
- Completion and transfer to CSU of a college course that satisfies the requirement in Quantitative Reasoning, provided such a course was completed with a grade of C or better
- A score of "Exempt" or "Ready for college-level Mathematics courses" on the CSU Early Assessment Program (EAP), taken in grade 11 in conjunction with the CST in Summative High School Mathematics or Algebra II
- A score of "Conditionally ready for college-level Mathematics courses" or "Conditional" on the CSU Early Assessment Program (EAP) taken in grade 11 along with the California Standards Test in Summative High School Mathematics or Algebra II, provided successful completion of a CSU-approved 12th grade math course that require Algebra II as a prerequisite

Verification of successful completion of the appropriate course may be required either before registration or by the document deadline date specified at the time of admission. Students who do not submit the required documentation by the time specified are subject to having their admission rescinded and, if enrolled, being dropped from all courses.

Students who are required to take this examination should do so as soon as possible after admission and before they enroll in courses. The results of this examination do not affect admission, but will be used to identify students who need special help in mathematics to do college-level work.

Students who cannot demonstrate basic competence on the examination are required to take steps to overcome deficiencies the first term of their enrollment. Any course work undertaken primarily to acquire the required competence shall not be applicable to the baccalaureate.

Information bulletins for the EPT and ELM examinations may be obtained from the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

*\*Beginning in May 1998, SAT II: Writing Test scores increased about 10 to 20 points. The adjustment was made to make Writing Test scores more comparable to scores on other SAT II subject tests. Although scores will be higher, their relative rank compared to scores for tests taken before May 1998 remains the same.*

### **Credit for Nontraditional Learning Experiences**

Credit for certain nontraditional learning experiences may be used in determining eligibility and credit allowances of undergraduate applicants. These nontraditional credit allowances are listed and described below. A more detailed analysis of each category appears later in this chapter under Evaluation of Transfer Credit.

#### **Categories and Credit Allowances**

- Baccalaureate-level course credit certified by the Defense Activities in Nontraditional Education Support (DANTES) yields a maximum of 36-quarter units.
- Advanced Placement examinations of the CEEB with scores of 3, 4, or 5 yield 9-quarter units for each examination.
- For credit allowance for standardized external examinations, including CLEP, Advanced Placement, the CSU English Equivalency Exam, the American Chemical Society Cooperative Examination, see the explanations later in this chapter.
- For basic training military service, 9 quarter units of lower division elective credit are awarded for 1 year or longer of active duty with an honorable discharge, and 4½ quarter units for 6 months to one year with an honorable discharge.
- Civilian and military courses and schools recommended for credit by the American Council on Education's Commission on Educational Credit and Credentials yield a maximum of 12 quarter units.

## ***International (Foreign) Student Admission Requirements***

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. visas as students, exchange visitors, or in other nonimmigrant classifications.

The California State University uses separate requirements and application filing dates in the admission of foreign students. Verification of English proficiency (see the section about the English Language requirement for undergraduate applicants), financial resources, and academic performance are all important considerations for admissions. Academic records from foreign institutions must be on file at least 60 days before registration for the first term and, if not in English, must be accompanied by certified English translations.

Foreign applicants and all others who are not permanent U.S. residents will be admitted to Cal State L.A. only if they meet one of the following sets of requirements:

- Completion of two years (90 quarter units or equivalent) of acceptable college work with a minimum 2.4 grade point average as evaluated by the University (A=4.0), an acceptable course in English composition, speech, critical thinking and mathematics with a minimum grade of C in each course, and a minimum 500 paper-based, 173 computer-based, 61 internet-based score on the Test of English as a Foreign Language (TOEFL); **or**
- Graduation from a foreign high school where the language of instruction was not exclusively English (with a minimum 3.0 grade point average as evaluated by the University), a minimum 2.4 grade point average in any college work attempted (as evaluated by the University), and a minimum 500 paper-based, 173 computer-based, or 61 internet-based TOEFL score (refer to the section about the TOEFL requirement). The academic eligibility requirement is the same as for graduates of high schools outside California, although submission of ACT or SAT scores is not necessary, unless specifically requested by the University. Foreign high school equivalencies are determined by the University; **or**
- Graduation from a foreign high school where the language of instruction was not exclusively English (with a minimum 3.0 grade point average as evaluated by the University) and a minimum 500 paper-based, 173 computer-based, or 61 internet-based TOEFL score (refer to the section about the TOEFL requirement). The academic eligibility requirement is the same as for graduates of high schools outside California, although submission of ACT or SAT scores is not necessary, unless specifically requested by the University. The University determines foreign high school equivalencies.

Undergraduate applicants who have attended full time, for at least three years, either an accredited U.S. college or university or a foreign high school, college, or university where the principle language of instruction was English are exempted from the TOEFL requirement.

The Bureau of Citizenship and Immigration Services (BCIS) requires that F-1 visa undergraduate students carry a minimum study load of 12 quarter units. Visa students must have advance proof of adequate financial resources, be in good health, and comply with all Cal State L.A. and BCIS regulations. Consult International Programs and Services, (323) 343-3170, for information about visas, housing, and related matters. International students may apply online at [www.csumentor.edu](http://www.csumentor.edu).

### ***General Guidelines for Foreign Records***

Applicants with foreign academic work are required to submit official copies of academic records, along with a certified English translation. Academic records should include: secondary school records; yearly records from each college or university attended that indicate the number of hours per semester or year devoted to each course and the grades received; and official documents that confirm the awarding of the degree that include the title and date.

All official documents submitted become the property of the University. The University will determine the acceptability of any foreign work.

### ***Insurance Requirement***

Effective August 1, 1995, as a condition of receiving an I-20 or DS2019 form, all F-1 and J-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in The California State University. Such insurance must be in amounts as specified by The Bureau of Educational and Cultural Affairs, U.S. Department of State and NAFSA, Association of International Educators. The campus president or designee shall determine which insurance policies meet these criteria. Further information may be obtained from the College of Extended Studies and International Programs at (323) 343-4900.

## ***Second Baccalaureate Applicants***

Students who have earned a baccalaureate from an accredited institution may earn a second baccalaureate at Cal State L.A. They are considered postbaccalaureate applicants and must meet the admission requirements for graduate and postbaccalaureate students (see the section later in this chapter). For more information, please contact the College of Extended Studies and International Programs at (323) 343-4900.

## ***Special Admission Categories***

### ***Early Start Program***

Beginning with the class of 2012, entering resident freshmen who are not proficient in math or "at risk" in English will need to start the remediation process before their first term. By 2014, all new freshmen students who have not demonstrated college-readiness in mathematics and English will need to begin work on becoming ready for college-level English before the start of their first term.

The goals of Early Start Program are to:

- Better prepare students in math and English, before the fall semester of freshman year;
- Add an important and timely assessment tool in preparing students for college; and
- Improve students' chances of successful completion of a college degree.

For 2012, resident students would be required to participate in the Early Start Program if their ELM score is less than 50 and/or their EPT score is less than 138. Newly admitted freshman students who are required to complete Early Start will be notified of the requirement and options for completing the program as part of campus communications to newly admitted students.

### ***Adult Students***

As an alternative to regular admission criteria, applicants who are 25 years of age or older may be considered for admission as adult students if they meet all of the following conditions:

1. Possess a high school diploma (or have established equivalence through either the General Educational Development or California High School Proficiency Examinations).
2. Has not been enrolled in college as full-time students for more than one term during the past five years.
3. If there has been any college attendance in the last five years, has earned a C (2.0) average or better in all college work attempted.

Consideration is based on a judgment about whether the applicant is as likely to succeed as a regularly admitted freshmen or transfer students and will include an assessment of basic English language and mathematical computation. Questions should be directed in writing to the Director of University Admissions.

### ***Educational Opportunity Program (EOP)***

The Educational Opportunity Program (EOP) assists undergraduate students who are disadvantaged because of their economic or educational background. EOP serves California residents who do not meet regular admission criteria, as well as those who qualify for regular admission, if they have a history of low income and need academic and financial assistance.

In addition to special admission procedures, the program provides specialized orientation, financial assistance, advisement by professional and peer counselors (usually upper division students), tutoring, and access to specialized courses. Because not all EOP applicants can be guaranteed admission, alternative opportunities should be investigated. Applications and information may be obtained from the EOP Office, Student Affairs 215, (323) 343-4EOP.

### Early Entrance Program (EEP)

Cal State L.A.'s Early Entrance Program (EEP) serves highly gifted students who need the academic challenges of a university environment to develop intellectually but who are chronologically younger than traditional undergraduates and have not yet graduated from high school. The EEP provides the opportunity for these highly gifted students to begin their college studies early at CSULA as full-time college students and offers them support, guidance, counseling, and a social environment necessary to prepare them for success at the university level. Consult the description of the Early Entrance Program under University Programs for complete details about the admission requirements for this program. For further admission information please contact the EEP at (323) 343-2287, fax (323) 343-5574 or visit the EEP Website at

[www.calstatela.edu/eep](http://www.calstatela.edu/eep)

### High School Students

#### Provisional Admission of First-time Freshmen

Cal State L.A. may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned for the senior year. The campus will monitor the final two years of study to ensure that admitted students complete their secondary school studies satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all course work has been satisfactorily completed. Official high school transcripts must be received prior to deadline set by the university. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts and cancel any university registration for students who are found not to be eligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admission when the university verifies that they have graduated and received a diploma from high school, have a qualifiable minimum eligibility index (Appendix A), have completed the comprehensive pattern of college preparatory "a-g" subjects, and, if applying to an impacted program or campus, have met all supplementary criteria.

High school students may be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a specific program and does not constitute the right to continued enrollment.

#### High School Nongraduates

Applicants older than 18 years of age who have not graduated from high school are considered for admission only when their preparation in all other ways is such that Cal State L.A. believes their promise of academic success is equivalent to that of eligible California high school graduates. These applicants are required to submit General Educational Development (GED) test scores to establish high school graduation equivalence and an official high school transcript that shows all work completed to the last date of attendance. Scores on the ACT or SAT also are required.

#### Veterans

Under special circumstances and by authorized action, veterans of U.S. military service who are California residents may be admitted as either first-time freshmen or transfers even though such applicants are not otherwise eligible.

#### Applicants Not Regularly Eligible

Applicants who are not admissible under one of the above provisions should enroll in extension courses, a community college, or another appropriate institution to meet eligibility requirements. Only under the most unusual circumstances and by authorized action will such applicants be admitted to Cal State L.A. without additional academic preparation as described above.

## Undergraduate Application Procedures

Prospective students applying for part-time or full-time undergraduate programs of study in day or evening classes must file a complete undergraduate application. The \$55 nonrefundable application fee should be in the form of a check or money order payable to "The California State University" or by credit card if submitting payment online via CSU Mentor, and may not be transferred or used to apply to another term. An alternate major may be indicated on the application. The applications of persons denied admission to an impacted and/or closed campus may be re-routed to another major or campus at no cost, but only if the applicant is CSU eligible.

#### Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The University uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service requires the University to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

#### Application Filing Periods

(Not all campuses/programs are open for admission to every term.)

Terms in 2011-2012	Applications First Accepted	Initial Filing Period
Summer Quarter 2011	Feb. 1, 2011	Feb. 1-28, 2011
Fall Quarter 2011	Oct. 1, 2010	Oct.1 - Nov.30 2010
Winter Quarter 2012	June 1, 2011	June1-30, 2011
Spring Quarter 2012	Aug. 1, 2011	Aug. 1-31 2011
Terms in 2012-2013	Applications First Accepted	Initial Filing Period
Summer Quarter 2012	Feb. 1, 2012	Feb. 1-28, 2012
Fall Quarter 2012	Oct. 1, 2011	Oct.1 - Nov.30 2011
Winter Quarter 2013	June 1, 2012	June1-30, 2012
Spring Quarter 2013	Aug. 1, 2012	Aug. 1-31 2012

Terms in 2013-2014	Applications First Accepted	Initial Filing Period
Summer Quarter 2013	Feb. 1, 2013	Feb. 1-28, 2013
Fall Quarter 2013	Oct. 1, 2012	Oct.1 - Nov.30 2012
Winter Quarter 2014	June 1, 2013	June1-30, 2013
Spring Quarter 2014	Aug. 1, 2013	Aug. 1-31, 2013

### Filing Period Duration

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information. Similar information is conveniently available at [http://www.csumentor.edu/filing\\_status/Default.asp](http://www.csumentor.edu/filing_status/Default.asp).

### International (Visa) Applicants

Application filing periods for international (visa) applicants differ from those for domestic (non-visa) applicants because of additional time required to evaluate records and prepare the necessary documents for the Bureau of Citizenship and Immigration Services (BCIS). The filing periods are established as follows:

Quarter	Application Filing Period
Fall Quarter	October 1–March 1
Winter Quarter	June 1–September 1
Spring Quarter	August 1–October 1
Summer Quarter	February 1–March15

The Director of the Office of Admissions and Recruitment may waive this advance application requirement if circumstances warrant. In addition to the academic requirements outlined earlier in this chapter, international students must have competence in the English language, financial resources adequate to provide for all expenses during their period of study at Cal State L.A., and must be in good health.

### Application Acknowledgment

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impaction, campus requirements for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

### Transcript and Admission Test Score Requirements

Undergraduate transfer students are required to comply with the following transcript and test score requirements as part of the application procedures for admission. Classifications (class level) of applicants apply as of the date of intended enrollment.

#### Applicants with fewer than 90 units completed

Transcripts: One from high school of graduation; one from each college attended. Test Score: ACT or SAT.

#### Applicants with 90 or more quarter units completed

Transcripts: One from each college attended; graduate and second baccalaureate applicants, two from each college attended.

#### Returning Students

Transcripts: One from each college attended since last enrollment at Cal State L.A. unless otherwise notified by the Office of Admissions and Recruitment. One from each college attended before Cal State L.A. if student last attended Cal State L.A. more than one year ago.

#### Engineering Majors

Transcripts: One sent directly to the Office of Admissions and Recruitment; one to College of Engineering, Computer Science and Technology.

#### Nursing Majors

Transcripts: One sent directly to the Office of Admissions and Recruitment; one to School of Nursing. CAUTION: Transcripts must be sent directly from each college and school of nursing attended.

Transfer applicants must submit transcripts to the University from all colleges and universities previously attended, even if no course work was completed. If transferring with fewer than 60 transferable semester (90 quarter) units completed, the high school transcript and official test scores (for applicants with a final calculated high school grade point average of less than 3.00) must also be sent. Transcripts from within the U.S. must be sent once you are admitted and must be received by the Document Deadline indicated in the email offering admission to avoid registration delays and to prevent the offer of admission from being canceled, and if enrolled, being dropped from all courses. Documents from outside the U.S. must be sent prior to an offer of admission and received at least 60 days before the first day of the term to which the applicant applies.

The Document Deadlines for fall and spring quarters are July 15 and February 15, respectively. The Document Deadline for winter and summer quarters are February 1 and July 1, respectively. These are subject to change. Students should refer to the appropriate terms' deadlines for more information. All transcripts become University property and will not be released or copied, except for students who request that their application be redirected to another CSU campus. Transcripts are retained one year for applicants who do not enroll in the term of application or who send transcripts but do not file and application.

Official transcripts are documents received in an envelope sealed by the issuing institution. For initial advisement purposes, students are recommended to bring their own set of transcripts.

### Impacted Programs

The CSU designates programs as impacted when more applications from regularly CSU eligible students are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus where they are offered; others are impacted only at a few campuses. Candidates for admission must meet supplementary admission criteria if applying to an impacted program.

The CSU will announce during the fall filing period those campuses or programs that are impacted. Detailed information on campus and programs impaction will be available at the following websites:

<http://www.calstate.edu/SAS/impactioninfo.shtml>

[www.csumentor.edu](http://www.csumentor.edu).

<http://www.calstate.edu/>.

Campuses will communicate its supplementary admission criteria for all impacted programs to high schools and community colleges in their service area and will disseminate this

information to the public through appropriate media. This information will also be published at the CSU campus individual website and made available online at:

<http://www.calstate.edu/>.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in impacted programs at more than one campus should file an application at each campus for which they seek admission consideration.

### **Supplementary Admission Criteria**

Each campus with impacted programs uses supplementary admission criteria in screening applicants. Supplementary criteria may include rank-ordering of freshman applicants based on the CSU eligibility index or rank-ordering of transfer applicants based on the overall transfer grade point average, completion of specified prerequisite courses, and a combination of campus-developed criteria. Applicants for freshman admission to impacted campuses or programs are required to submit scores on either the SAT or the ACT. For fall admission, applicants should take tests as early as possible and no later than November or December of the preceding year.

The supplementary admission criteria used by the individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program. Details regarding the supplemental admissions criteria are also provided at: [www.calstate.edu/impactioninfo.shtml](http://www.calstate.edu/impactioninfo.shtml).

### **Hardship Petitions**

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the campus Admissions Office about specific policies governing hardship admission.

### ***Reapplication After Failure to Enroll***

Applicants who fail to register for the term for which they have been accepted will have their admission canceled. Those who desire admission to any future term must file another application (with fee) within the stated application period and must meet admission requirements in effect at the time of the new application.

All transcripts on file for applicants who are admitted but do not attend are kept one year and may be used for admission during that period. However, transcripts of any additional work completed since the original transcripts were filed must be requested by the applicant from the college(s) attended as part of the new application procedure.

### ***Readmission***

Students who are absent without prior approval for any three of the four consecutive quarters before the quarter they wish to return must apply for readmission. The \$55 application fee is charged except for students who were enrolled during any of the three quarters immediately preceding the quarter of desired readmission. An application with fee also must be filed by any student who enrolls at another institution during an absence, with the following exceptions: a summer session or extension program; dual registration, with prior approval; or concurrent or visitor enrollment at another CSU campus. Students who were disqualified from Cal State L.A. following the last quarter of attendance must file an application for admission as returning disqualified students. For details see Readmission of Disqualified Students below.

### **Returning Veterans (Military, Alternative Service)**

Cal State L.A. students who enter active U.S. military service or approved alternative service are eligible for continuing student status following active service. Time served in active military or approved alternative service, including the entire quarter in which the student entered the service and the entire quarter during which the discharge occurred, will not be counted as a break in attendance in determining continuing student status.

### **Readmission of Disqualified Students**

Readmission after disqualification is not automatic. Disqualified students will not be considered for readmission until at least two quarters have elapsed. Normally, students will be eligible for readmission when they have satisfied conditions and requirements established during an exit interview. Basic readmission regulations require the following: senior level students (135+ units completed) are eligible to be readmitted if their Cal State L.A. or cumulative grade point average is greater than 1.95; junior level students (90-134 units completed) are eligible to be readmitted if their Cal State L.A. or cumulative grade point average is greater than 1.85; sophomore level students (45-89 units completed) are eligible to be readmitted if their Cal State L.A. or cumulative grade point average is greater than 1.785; freshman level students (0-44 units completed) are eligible to be readmitted if their Cal State L.A. or cumulative grade point average is greater than 1.50. Units earned elsewhere while under disqualification can be used to reduce the total grade point deficiency, but not the Cal State L.A. deficiency (which may be corrected through Open University enrollment in Extended Studies).

Before the appropriate deadline, disqualified students must file an application for readmission as returning disqualified students. In addition, they must seek readmission through a petition to the department or division and college from which they were disqualified. The University Academic Advisement Center will rule on petitions for readmission of disqualified students with undeclared majors. Petitions for Readmission from Disqualification may be obtained from department or division offices and applications for readmission are available online at [www.csumentor.edu](http://www.csumentor.edu). Official transcripts of all transfer work attempted since disqualification must be furnished.

### **Readmission Appeals Procedure**

Students who have not met requirements established at the time of the exit interview will be ineligible for readmission and will be so notified by the University Admissions Office. Students may appeal this decision by submitting a petition to the dean of their college or to the University Academic Advisement Center if they have not declared a major.

### ***Evaluation of Transfer Credit***

Undergraduate transfer students' previous college work is evaluated in terms of its relevance to Cal State L.A. course offerings and degree requirements. The transfer credit evaluation is prepared for all new transfer and readmitted students by their second quarter of attendance. This evaluation identifies general education and graduation course requirements met by transfer courses and transfer credit accepted in satisfaction of unit requirements. For readmitted students, it also identifies general education and major requirements met by Cal State L.A. courses. The policies of the transfer institution(s) are followed when grade point averages of transfer course work are computed. If such policies cannot be determined, Cal State L.A. policies are followed. Credit for selected vocational/technical courses not generally accepted for transfer credit may be recognized after admission if approved by the Cal State L.A. academic department or division responsible for the related degree program.

### **Quarter Units/Quarter System**

Credits at Cal State L.A. are expressed in quarter units; one quarter unit normally represents no fewer than one hour of class work and two or more hours of outside study per week for one quarter. One and one-half quarter units are equivalent to one semester unit, and one quarter unit is equivalent to two-thirds of a semester unit of credit.

### **Credit for Community College Course Work**

A maximum of 105-quarter units (70 semester units) earned in a Community College will be allowed towards the units required for graduation. Neither upper division credit nor credit for professional education courses is allowed for community college work.

### **Credit for Extension, Correspondence Courses**

The maximum amount of credit for correspondence and extension courses that may be applied toward the baccalaureate is 36 quarter (24 semester) units. Extension and

correspondence course credit does not satisfy Cal State L.A. residence requirements. Students should consult their major department or division adviser before they enroll in extension or correspondence courses to ensure that courses elected will meet both unit and content requirements for the degree.

No undergraduate degree credit will be allowed for University of California extension courses in the X300 or X400 series taken after Spring Quarter 1968, except as specifically approved by the individual department or division concerned.

### Credit for Supplementary Transfer Work

To request evaluation of credit toward a bachelor's degree for work taken at other colleges or universities subsequent to matriculation at Cal State L.A., students must have official transcripts forwarded to the Admissions Office.

### Credit for Non-collegiate Instruction

Cal State L.A. grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree if such credit has been recommended by the Commission on Educational Credit and Credentials of the American Council on recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

### Credit for Military Service

Students are granted nine quarter units of lower division elective credit, upon admission, for one year or more of regular active duty in a U.S. military service with an Honorable Discharge, including completion of basic or recruit training. For six months to one full year of military service, including completion of a six-month reserve training program with basic recruit training, and an Honorable Discharge, 4.5-quarter units of lower division elective credit are granted upon admission. Additional credit to a maximum of 12 quarter units may be granted for completion of certain service school certificate programs, based on recommendations of the Commission on Educational Credit and Credentials of the American Council on Education.

Students should submit a copy of their military separation, DD214 or equivalent record, at the time of application for admission. Information on how to request an evaluation of military service school credit can be obtained at [www.acenet.edu](http://www.acenet.edu), the American Council on Education home page. Military service credit is not applied toward the residence requirement.

### Credit Certified by the Defense Activities in Nontraditional Education Support (DANTES)

A maximum of 36 quarter units of baccalaureate course credit may be earned for course work certified by the Defense Activities in Nontraditional Education Support (DANTES). Students must have an official DANTES transcript forwarded to the Office of University Admissions.

### Credit for Peace Corps Training

Peace Corps volunteers who completed their training at Cal State L.A. may earn a maximum of 1½ quarter units for each week of the training program. The number of units and the area in which the units are given varies with each project. Grades are recorded as Credit (CR).

Credit for work taken at another institution while in Peace Corps training will be granted by Cal State L.A., but only as it appears on an official transcript from another college or university. The credit will be validated when the volunteer becomes a student at Cal State L.A. or another institution of higher education.

### Evaluation of Optional Undergraduate Tests and Examinations

Cal State L.A. grants undergraduate degree credit to students who pass examinations that have been approved for credit systemwide. These include Advanced Placement Examinations, the CSU English Equivalency Examination, and some CLEP examinations, as outlined below. The total credit earned in external examinations that may be applied to a baccalaureate shall not exceed 45-quarter units, exclusive of credit for Advanced Placement examinations.

### Advanced Placement Credit

Cal State L.A. grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of 3 or better are granted 9 quarter units (6 semester units) of elective credit for each examination. The appropriate academic department/division/school determines acceptance of Advanced Placement units for purposes other than electives. Advanced Placement credit will be awarded for students who have had their College Board Grade Report for the Advanced Placement exam sent to Cal State L.A. and have completed one quarter of attendance. Credit is not awarded for any examinations that overlap other examinations or equivalent college courses. Where partial overlap exists, the amount of credit awarded will be appropriately prorated.

Information about Advanced Placement examinations is available at the applicant's high school. Supporting test materials are sent to the college or university indicated by the student when the examinations are taken.

No credit for any examination will be forwarded to a student who has taken the examination previously within the past year; earned equivalent credit through regular course work, credit by another examination, or other instructional processes, such as correspondence study or military training; or earned credit previously in a course or by an examination more advanced than the level represented by the examination in question.

**Following is a list of AP examinations for which the University grants credit:**

College Board Advanced Placement Tests	Passing Score	Total Quarter unit Earned	Units toward GE	GE Breadth Area
ART History	3	9.0	4.0	Area C2
STUDIO ART -2D	3	9.0	none	n/a
STUDIO ART -3D	3	9.0	none	n/a
STUDIO ART -Drawing	3	9.0	4.0	Area C2
Biology	3	9.0	4.0	Area B1
Calculus AB	3	4.5	4.0	Area A4
Calculus BC	3	9.0	4.0	Area A4



Chemistry	3	9.0	5.0	Area B2
Chinese Language & Culture	3	9.0	4.0	Area C4
Comparative Government & Politics	3	4.5	4.0	Area D
Computer Science A	3	9.0	none	n/a
Computer Science AB	3	9.0	none	n/a
Economics: Micro-economics	3	9.0	none	Area D
Economics: Macro-economics	3	9.0	none	Area D
English Language	3	9.0	4.0	Area A1
English Literature	3	9.0	8.0	Area A1 & Area C1
Environ-mental Science	3	9.0	none	n/a
European History	3	9.0	4.0	Area D
French Language	3,4	9.0	4.0	Area C4
French Literature	3	9.0	4.0	Area C4
German Language	3	9.0	4.0	Area C4
Italian Language & Culture	3	9.0	4.0	Area C4
Japanese Language & Culture	3	9.0	4.0	Area C4
Latin Literature	3	9.0	4.0	Area C4
Latin: Virgil	3	9.0	4.0	Area C4
Music Theory	3	9.0	4.0	Area C2
Physics B	3	9.0	4.0	Area B2
Physics C - Electricity & Magnetism	3	9.0	4.0	Area B2
Physics C -Mechanics	3	9.0	4.0	Area B2
Psychology	3	4.5	4.0	Area D
Spanish Language	3	9.0	4.0	Area C4
Spanish Literature	3	9.0	4.0	Area C1
Statistics	3	4.5	4.0	Area A4
US Government & Politics	3	4.5	2.0	American Institutions
U.S. History	3	9.0	4.0	
World History	3	9.0	4.0	Area D

**College Level Examination Program (CLEP)**

Credit is awarded for successful performance in certain examinations of the College Level Examination Program.

**Following is a list of CLEP examinations for which the University grants credit:**

CLEP Examination	Passing Score	Total Quarter Units Earned	Units Toward GE	GE Breadth Area
CLEP American Government	50	4.5	4.5	D
CLEP American Literature	50	4.5	4.5	C1
CLEP Analyzing and Interpreting Literature	50	4.5	4.5	C1
CLEP Biology	50	4.5	4.5	B1
CLEP Calculus	50	4.5	4.5	A4

CLEP Chemistry	50	4.5	4.5	B2
CLEP College Algebra	50	4.5	4.5	A4
CLEP College Algebra: Trigonometry	50	4.5	4.5	A4
CLEP College Mathematics	50	4.5	4.5	N/A
English Composition (no essay)	50	0	0	N/A
English Composition with Essay	50	0	0	N/A
English Literature	50	4.5	4.5	C4
CLEP Financial Accounting	50	4.5	0	N/A
CLEP French7 Level I	50	9	0	N/A
CLEP French7 Level II	59	18	4.5	C4
Freshman College Composition	50	0	0	N/A
German7 Level I	50	9	0	N/A
German7 Level II	60	18	4.5	C4
History, United States I	50	4.5	4.5	D+US-1
CLEP History, United States II	50	4.5	4.5	D+US-1
CLEP Human Growth and Development	50	4.5	4.5	E
CLEP Humanities	50	4.5	4.5	C5
CLEP Information Systems and Computer Applications	50	4.5	0	N/A
CLEP Introduction to Educational Psychology	50	4.5	0	N/A
CLEP Introductory Business Law	50	4.5	0	N/A
CLEP Introductory Psychology	50	4.5	4.5	D
CLEP Introductory Sociology	50	4.5	4.5	D
CLEP Natural Sciences	50	4.5	4.5	B2
CLEP Pre-Calculus	50	4.5	4.5	A4
CLEP Principles of Accounting	50	4.5	0	N/A
CLEP Principles of Macro- economics	50	4.5	4.5	D
CLEP Principles of Management	50	4.5	0	N/A
CLEP Principles of Marketing	50	4.5	0	N/A
CLEP Principles of Micro- economics	50	4.5	4.5	D
CLEP Social Sciences and History	50	0	0	N/A
CLEP Spanish7 Level I	50	9	0	N/A
CLEP Spanish7 Level II	63	18	4.5	C4
CLEP Trigonometry	50	4.5	4.5	A4
CLEP Western Civilization I	50	4.5	4.5	C5 or D

CLEP Western Civilization II	50	4.5	4.5	D
<b>Following is a list of IB examinations for which the University grants credit:</b>				
<b>International Baccalaureate (IB) Examination</b>	<b>Passing Score</b>	<b>Total Quarter Units Earned</b>	<b>Units Toward GE</b>	<b>GE Breadth Area</b>
IB Biology HL	5	9	4.5	B2
IB Chemistry HL	5	9	4.5	B2
IB Economics HL	5	9	4.5	D
IB Geography HL	5	9	4.5	D
IB History (any region) HL	5	9	4.5	D
IB Language A1 (any language) HL	4	9	4.5	C4
IB Language A2 (any language) HL	4	9	4.5	C4
IB Language B (any language) HL7	4	9	0	N/A
IB Mathematics HL	4	9	4.5	A4
IB Physics HL	5	9	4.5	B2
IB Psychology HL	5	4.5	4.5	D
IB Theatre HL	4	9	4.5	C1

### Transfer of Credit Earned by Examination

Credit earned by examination at another accredited institution is accepted upon transfer if the units have been accepted by the previous institution as equivalent to specific courses and are not in violation of any other regulation.

### College Level Examination Program (CLEP)

Credit is awarded for successful performance in certain examinations of the College Level Examination Program. Four quarter units may be earned in any of the following examinations, with passing scores as indicated.

<b>Name of Examination</b>	<b>Minimum Passing Score</b>
College Algebra-Trigonometry	49
Calculus with Elementary Functions	51
General Chemistry	48
CEEB Advanced Placement Program Examinations	3, 4, 5

Credit for one examination in mathematics may be applied to the mathematics requirement of the general education program. Credit for additional examinations is allocated to electives; acceptance for major, minor, or prerequisite use is granted on approval of the appropriate academic department or division.

### American Chemical Society Examination

Students may earn four quarter units of credit by achieving a score at the 50th or higher percentile on the General Chemistry examination offered as part of the American Chemical Society Cooperative Examination Program.

### Appeal of Admission Decision

Section 89030.7 of the California Education Code requires the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted and must also be published on the campus website. Appeal information may be found at <http://www.calstatela.edu/univ/admiss/appeal/>.

## Graduate and Postbaccalaureate Admission Requirements

### *Desirable Student Qualifications*

To gain maximum benefit from postbaccalaureate or graduate study, students should possess the following:

- \* Sufficient knowledge and understanding of their chosen field of study to pursue it effectively at an advanced level.
- \* Basic techniques, skills, and methods necessary for research investigation and other practical applications of knowledge.
- \* Sufficient maturity and intellectual curiosity to pursue independent study and learning beyond regular assignments.
- \* Achievements, aptitudes, and abilities at superior levels to ensure scholarly performance considerably above the average.

## Responsibility of the Student

Responsibility for meeting all requirements and following all procedures by the published deadlines rests with the student. In extraordinary circumstances, exceptions to requirements for graduate study established by departments/divisions, colleges, and the university may be granted.

## Admission Requirements

Graduate and postbaccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

### General Requirements

The minimum requirements for admission to graduate and post baccalaureate studies at a California State University campus are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations.

Specifically, a student shall at the time of enrollment:

1. Have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities.
2. Be in good academic standing at the last college or university attended.
3. Have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; **and**
4. Satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.

Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:

### Postbaccalaureate Unclassified

To enroll in undergraduate courses as preparation for advanced degree programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as postbaccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program (Most CSU campuses do not offer admission to unclassified post-baccalaureate students).

### Postbaccalaureate Classified

E.g., admission to an education credential program – Persons wishing to enroll in a credential or certificate program, will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; **or**

### Graduate Conditionally Classified

Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, deficiencies may be remedied by additional preparation; **or**

### Graduate Classified

To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus.

*(These and other CSU admissions requirements are subject to change as policies are revised and laws are amended. The CSU website [www.calstate.edu](http://www.calstate.edu) and the CSU admissions portal [www.csumentor.edu](http://www.csumentor.edu) are good sources of the most up-to-date information.)*

Admission to a California State University campus with conditionally classified standing does not constitute full admission to graduate degree curricula. Also, individual colleges and departments or divisions may have additional requirements which students must fulfill before they may be fully accepted into degree, credential, and certificate programs at Cal State L.A.

Most applicants are initially admitted to Cal State L.A. in conditionally classified standing. Those who meet all requirements for any other category may achieve such standing before their first quarter of enrollment. Applicants not regularly admissible may petition for admission by special action as described later in this chapter.

Additional general procedures and regulations that apply to all applicants, graduate and undergraduate, are described earlier in this chapter.

## Special Action Admissions

In unusual circumstances, a campus may make exceptions to admission criteria and grant admission by special action. For special action admission, applicants who were in good standing at the last college attended, but who do not meet the mandated admission requirements may petition for admission by special action if acceptable alternative evidence exists that they possess sufficient academic, professional, and other potential pertinent to their proposed graduate objective. Special action admission may be granted by the appropriate college graduate dean upon recommendation of both the proposed major department or division and college graduate studies committee for any of the following three reasons:

### 1. Applicants Who Lack Minimum Required Grade Point Average

Students admitted by special action to pursue a master's degree program will be admitted to conditionally classified graduate status and must complete specific prerequisites and a minimum of 14 units of qualifying courses specified by the major department or division and college graduate dean with a minimum B (3.0 on a scale in which A = 4.0) grade point average, as specified under Requirements for Classified Graduate Standing later in this chapter. Students admitted to pursue a nondegree program (e.g., credential, certificate) must complete special requirements as designated by the major department or division and college graduate dean.

### 2. Graduates of Unaccredited Institutions

A degree from an unaccredited college is not recognized for admission in graduate standing. Graduates of such institutions may be admitted in undergraduate standing if course work completed is deemed acceptable and meets undergraduate admission requirements, and may be granted postbaccalaureate or graduate standing upon satisfaction of the following conditions:

- Meet the minimum University, college, and department or division requirements for admission to classified graduate standing in a degree program.
- Complete a minimum of four upper division courses (at least 14 quarter units), specified in advance by the proposed major department or division, with a grade point average of at least B (3.0). These courses may not be 500 level. Upon recommendation of the department/division/school and the college graduate dean, 400-level qualifying courses may be applied to the master's degree program.

- Receive the written recommendation of the department or division in which the degree is sought and of the appropriate college graduate dean.
- An applicant with a bachelor's degree from an unaccredited institution and a master's degree from an accredited institution may be admitted as a regular postbaccalaureate or graduate student, assuming that all other requirements have been met and that appropriate approvals have occurred.

### 3. Graduates of Specialized or Professional Schools

Graduates of specialized or professional schools that are professionally accredited are admitted in conditionally classified graduate status. They may be granted classified graduate standing by satisfying the following conditions:

- Meet the minimum University, college, and department or division requirements for admission to classified graduate standing in a degree program.
- Complete a minimum of four upper division qualifying courses (at least 14 quarter units), specified in advance by the proposed major department or division, with a grade point average of at least B (3.0). After they have completed their faculty-approved list of qualifying courses, students may not add any additional courses, nor may they repeat any of the qualifying courses, to raise their grade point average.
- Receive the written recommendation of the department or division in which the degree is sought and of the appropriate College graduate dean.

## International (Foreign) Student Admission Requirements

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. temporary visas as students, exchange visitors, or in other nonimmigrant classifications.

The CSU uses separate requirements and application filing dates in the admission of "foreign students." Verification of English proficiency (see the section on TOEFL Requirement for undergraduate applicants), financial resources, and academic performance are each important considerations for admission. Academic records from foreign institutions must be on file for winter by August 1 and for spring by October 12, if not in English, must be accompanied by certified English translations.

Priority in admission is given to residents of California. There is little likelihood of nonresident applicants, including international students, being admitted either to impacted majors or to those majors or programs with limited openings.

For admission in postbaccalaureate or graduate standing, foreign applicants must fulfill the following minimum requirements:

- Have completed a four-year college course of study and hold an acceptable baccalaureate, or its equivalent, from an accredited institution.
- Have a minimum 2.5 grade point average (A=4.0) in the last 90 attempted quarter units equal to that required for admission to classified graduate standing. (The entire quarter or semester in which the 90 quarter [60 semester] units began will be used in this calculation.)
- Have approval of the academic department or division that offers the desired degree program.

International students should contact International Programs and Services for information about housing, financial assistance, and related matters.

## Graduate and Postbaccalaureate Applications Procedures

All graduate and postbaccalaureate applicants (e.g., Ed.D., joint Ph.D. applicants, master's degree applicants, those seeking educational credentials or certificates, and where permitted, holders of baccalaureate degrees interested in taking courses for personal or professional growth) must file a complete graduate application as described in the graduate and postbaccalaureate admission materials at [www.csumentor.edu](http://www.csumentor.edu). Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$55 nonrefundable application fee. Since applicants for postbaccalaureate programs may be limited to the choice of a single campus on each application, re-routing to alternate campuses or later changes of campus choice are not guaranteed. To be assured of initial consideration by more than one campus, it is necessary to submit separate applications (including fees) to each. Applications submitted by way of [www.csumentor.edu](http://www.csumentor.edu) are expected unless submission of an electronic application is impossible. An electronic version of the CSU graduate application is available on the World Wide Web at <http://www.csumentor.edu>.

The CSU uses separate requirements and application filing dates in the admission of international (visa) students. For these purposes, international (visa) students are residents of a country other than the United States or who hold visas as students, exchange visitors, or other nonimmigrant classifications.

Some academic departments/divisions require applications to their respective graduate programs in addition to the University admission application and may have earlier deadlines than the University admission application deadline. Applicants should contact individual departments/divisions for further information or refer to individual programs later in this catalog.

Students accepted at Cal State L.A. for postbaccalaureate or graduate study must enroll in the term for which application was made. Applicants who do not register for the term for which they have been accepted will have their admission canceled; see "Reapplication After Failure to Enroll" earlier in this chapter. The application fee may not be transferred or used to apply to another term.

## Application Filing Periods

(Not all campuses/programs are open for admission to every term.)

Terms in 2011-2012	Applications First Accepted	Initial Filing Period
Summer Quarter 2011	Feb. 1, 2011	February 1-28, 2011
Fall Quarter 2011	Oct. 1, 2010	October 1 - November 30, 2010
Winter Quarter 2012	June 1, 2011	June 1-30, 2011
Spring Quarter 2012	Aug. 1, 2011	August 1-31, 2011
Terms in 2012-2013	Applications First Accepted	Initial Filing Period
Summer Quarter 2012	Feb. 1, 2012	February 1-28, 2012
Fall Quarter 2012	Oct. 1, 2011	October 1 - November 30, 2011
Winter Quarter 2013	June 1, 2012	June 1-30, 2012
Spring Quarter 2013	Aug. 1, 2012	August 1-31, 2012
Terms in 2013-2014	Applications First Accepted	Initial Filing Period
Summer Quarter 2013	Feb. 1, 2013	February 1-28, 2013
Fall Quarter 2013	Oct. 1, 2012	October 1 - November 30, 2012
Winter Quarter 2014	June 1, 2013	June 1-30, 2013
Spring Quarter 2014	Aug. 1, 2013	August 1-31, 2013

## Filing Period Duration

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information. Similar information is conveniently available at [http://www.csumentor.edu/filing\\_status/Default.asp](http://www.csumentor.edu/filing_status/Default.asp).

### Application filing periods for International (Visa) Applicants

Application filing periods for international (visa) applicants differ from those for domestic applicants because of additional time required in evaluating records and preparing necessary documents for the Bureau of Citizenship and Immigration Services (BCIS). The filing periods are established as follows:

Quarter	Application Filing Period
Fall Quarter	October 1–30
Winter Quarter	June 1–30
Spring Quarter	August 1–31

The Admissions Officer may waive this advance application requirement if circumstances warrant. In addition to the academic requirements outlined below, international students must have competence in the English language, financial resources adequate to provide for all expenses during their period of study at Cal State L.A., and must be in good health.

### Application Acknowledgment

On-time applicants may expect to receive an acknowledgment from their first choice campus within one to two weeks of filing the application. The notice may also include a request that additional records be submitted necessary for the campus to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements and campus requirements for admission to an impacted program. An offer of admission is not transferable to another term or to another campus.

### Transcript Requirements

Applicants with either a degree or credential objective must request that two copies of official transcripts be sent to the University from all colleges and universities previously attended, even if no course work was completed. Transcripts from within the U.S. must be received at least 30 days before the first day of the term to which the applicant applies. Documents from outside the U.S. must be received at least 60 days before the first day of the term to which the applicant applies. Processing of applications cannot be guaranteed unless all required documents are received during the designated application period.

All transcripts become University property and will not be released or copied except for students that request that their application be redirected to another CSU campus. Transcripts are retained for one year for applicants who do not enroll in the quarter of application or who send transcripts but do not file an application.

Official transcripts received in an envelope sealed by the issuing institution. For initial advisement purposes, students are recommended to bring their own set of transcripts.

### Graduate-Postbaccalaureate English Language Requirement

All graduate and postbaccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL), 213 on the computer-based TOEFL, 79 internet-based TOEFL. Some programs require a higher score. Those who plan to pursue an M.A. degree in Teaching English to Speakers of Other Languages (TESOL) must achieve a minimum TOEFL score of 600 on the paper-based test, 250 on the computer-based test, 100 internet-based TOEFL.

In exceptional cases, the Director of the Office of Admissions and Recruitment may waive the TOEFL score requirement if recommended by the applicant's proposed major department or division and the college graduate dean. Variation from the minimum TOEFL score will be considered only for applicants with a B (3.0) grade point average as evaluated by the Office of Admissions and Recruitment and whose TOEFL score is not more than ten points below 550 on the paper-based test, 6 points below 213 on the computer-based test, or 3 points below 79 on the internet-based test. This consideration does not apply to applicants who are pursuing a M.A. degree in Teaching English to Speakers of Other Languages (TESOL).

Several CSU campuses may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP).

Cal State L.A. minimum respective test standards for graduate applicants are:

	Internet	Paper
TOEFL		
Undergraduate	61	500
Graduate	80	550
IELTS	Not applicable	
PTE	44	

To obtain TOEFL registration materials, locations and test dates, write to:

Educational Testing Service  
P. O. Box 6154  
Princeton, New Jersey 08541-6151  
[www.toefl.org](http://www.toefl.org)

You also may contact the U. S. embassy in your country for TOEFL information. Request that your TOEFL test results be sent directly to California State University, Los Angeles (institution code 4399).

### Appeal of Admission Decision

Section 89030.7 of the California Education Code requires the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted and must also be published on the campus website. Appeal information may be found at <http://www.calstatela.edu/univ/admiss/appeal/>.

## Student Services and Financial Aid



- Career Development Center
- Center for Student Financial Aid
- Scholarships
- New Student Orientation Programs
- Educational Participation in Communities (EPIC)
- Student Health Services
- Other Services and Programs
- Student Housing — Living on Campus
- University-Student Union
- Veterans' Services
- Children of Disabled Veterans
- Student Publications

Faculty and professional staff provide education-related services for students within several centers and offices. These include the University Academic Advisement Center, the University Tutorial Center, the University Testing Center, the University Writing Center, the Career Development Center, the Student Health Center, the Center for Student Financial Aid, the Office for Students with Disabilities, and the offices of Admissions and University Outreach, International Student Services, and Housing and Residence Life. Additional services are provided by various areas of the campus. In addition, many departments, divisions, and colleges offer students opportunities for involvement in campus life.

## Career Development Center

### ***General Information***

Home Page: [www.calstatela.edu/univ/cdc](http://www.calstatela.edu/univ/cdc)

#### **Hours of Operation:**

Mon./Thurs.	8:00 am – 6:00 pm
Friday	8:00 am – 5:00 pm
Appointments/Information	(323) 343-3237
Student Employment	(323) 343-3277
On-Campus Interviews	(323) 343-3276

Students are required to show a valid Cal State L.A. Student I.D. to receive career services. Cal State L.A. graduates are entitled to an additional quarter of free access to Career Center services. After that, students must become Career Center Associates or members of the Alumni Association in order to receive career services.

### ***Career Counseling***

Choosing an academic major and investigating career options (including graduate programs and professional schools) are important career planning steps. Integrating all of the details of a job search is an important career placement procedure. Professional career counselors are available by appointment and on a limited walk-in basis for individual consultation about these issues.

### ***Workshops***

A variety of workshops is offered to assist students in their career planning and job search. Workshops address such topics as choosing a major, interview techniques, resumé writing, and job search strategies. A workshop schedule may be obtained through the Career Center Website or by visiting the Career Center at the beginning of each quarter.

### ***Career Development Resources***

#### **Career Assessment Instruments**

The Strong Interest Inventory (SII) and the Myers-Briggs Type Indicator (MBTI) are offered by individual appointment. A small fee is charged for each instrument.

#### **Computer-Assisted Guidance Choices**

This computer-assisted career assessment program focuses on interests, experiences, and work-related values. It provides job titles, descriptions, employment outlook information, and information about colleges and universities across the U.S.

**WinWay Resume** is a program that automates the entire resume writing process, from overall format to job specific content.

**Perfect Interview** is an interactive program that provides mock interviews. A webcam records student responses to an interviewer's questions. Students can view their responses and see a pre-recorded sample of an expert response.

## **Career Resource Library**

The Center maintains a comprehensive collection of books, directories, binders, and videos on the following topics:

- Academic majors and careers
- Interviewing techniques, resume and cover letter writing, job search strategies.
- Salary surveys and labor statistics.
- Job search books for special populations.
- Graduate and professional programs
- Company profiles
- Civil service positions

The library also features computers for students to use for career-related purposes.

## **Eagle iJobs**

The Career Center provides exclusive job listings to Cal State L.A. students featuring full and part-time on and off-campus jobs and internships via Eagle iJobs. All job seekers are encouraged to register with the service, and can see the front desk for details.

## **Student Employment**

Student Employment offers a valuable service for students who seek part-time employment. There are two types of programs on campus:

### ***Student Assistant:***

Students are employed to assist faculty and staff on a part-time basis, maximum of 20 hours per week, in many offices of the University. Students may consult the Student Employment Unit for information.

### ***Federal Work-Study (FWS) Program:***

The Federal Work-Study program is intended to increase part-time employment opportunities and to assist financially-eligible students. Determination of eligibility for FWS awards is made by the Center for Student Financial Aid, Student Affairs 124. Job openings are listed on display boards in the Career Center and online.

### ***Off-Campus Federal Work-Study:***

Off-Campus employment through the Federal Work-Study program offers an exciting work experience that combines paid community service with active learning, for qualified students. Current openings are listed online and in the Career Center.

## ***Other Programs***

### **Job Referral**

Through the Job Referral program, a wide range of vacancies in business, industry, civil service, and education is made available to the campus community. Job vacancies are accessible online via Eagle iJobs and are also listed in the Career Center on our job boards and in our binders.

### **Internships/Cooperative Education**

Internships may be paid or unpaid and offer students hands-on experience in their major discipline. Cooperative Education positions are internships that enable students, with department/division approval, to earn elective credit toward an academic major or minor. Current listings are available in the Career Center.

### **On-Campus Interview (OCI) Program**

The Career Center coordinates interviews for seniors and recent graduates with representatives of business, industry, education and government agencies. Interviews for entry level career positions take place in the Career Center in the fall and spring.

### ***Career/Job Fairs***

Each year, more than 200 employers visit the campus during the fall and spring quarters to participate in the Career/Job Fairs. The representatives are interested in students from a variety of majors and a wide range of experiences.

The **Education Job Fair**, a career fair for those seeking employment in schools pre-K - 12, is held each March.

### ***Alumni Program***

Any person who becomes a Career Center Associate or a member of the CSULA Alumni Association is entitled to use most Career Center services. Contact the Career Center for information on how to become a Career Center Associate. An annual fee is charged for membership. Services include:

- Access to job listings in the Career Center and on Eagle iJobs



- Use of the Career Resource Library
- Individual appointments with a career counselor
- Participation in workshops and career information programs
- Use of computer-assisted programs
- Participation in on-campus interviews, limited to a space-available basis (Cal State L.A. graduates only)
- Attendance at all Career/Job Fairs

## Center for Student Financial Aid

The Center for Student Financial Aid, located in Student Affairs 124, assists students find resources to finance their education at Cal State L.A. The center administers a variety of federal and state grants, scholarships, work-study, and student loan programs. The Center is open Monday through Thursday between 8:00 a.m. and 6:00 p.m., and Friday between 8:00 a.m. and 5:00 p.m.

To apply for financial assistance, students must submit a Free Application for Federal Student Aid (FAFSA) to the Department of Education processing center. Information submitted is evaluated to determine financial aid eligibility. The priority deadline is March 2nd of each calendar year. Applications received after the March 2nd priority deadline will be processed in a rolling basis and awarded based remaining funds. Students must re-apply for financial aid every academic year.

Students are encouraged to apply on-line at <http://www.fafsa.ed.gov/index.htm> or may obtain a paper (FAFSA) form at the Center for Student Financial Aid, at any college financial aid office, in high school guidance offices, or local libraries. Applicants are notified by email or mail about their eligibility for financial aid.

### *Financial Aid Programs*

Students who submit a completed (FAFSA) are considered for the following types of financial aid:

#### **Grants**

Federal, state, or institutional funds that do not have to be repaid.

#### **Loans**

Federally-guaranteed student loans with low interest rates that students must begin repaying six months after they graduate or drop below half-time status.

#### **Employment through the Federal Work-Study Program**

On and off-campus student work opportunities offered by the Federal Work-Study Program. The Career Development Center assists in job placement.

#### **Need Analysis and Eligibility**

Financial aid eligibility is determined from information provided on the FAFSA. A Federal Methodology is used to determine the Expected Family Contribution (EFC) from students and their families. The difference between the cost of education and the Expected Family Contribution constitutes financial need.

#### **Summer Funding**

Financial aid (grants, loans and work-study) is available to eligible students for Summer Quarter attendance.

To learn more about financial aid at Cal State L.A., visit the Website: [http://www.calstatela.edu/univ/finaid/index\\_FA.htm](http://www.calstatela.edu/univ/finaid/index_FA.htm)

## Scholarships

There are over 300 scholarships available to students who are currently attending Cal State L.A. Available scholarships have a wide variety of criteria, and many are for new and continuing undergraduate, graduate and certificate students enrolled with the University. Scholarships are based on such criteria as academic major, academic achievement, campus and/or community participation, financial need, or a variety of other purposes. Some scholarships will provide funding for student fees; others will support the cost of books, transportation and living expenses.

Students who wish to be considered for all institutional scholarships for which they are qualified should file one (1) General Scholarship Application and have one (1) letter of recommendation. The application and letter should be submitted to the Center for Student Financial Aid, Student Affairs 124. The submission deadline for new students is in March. The deadline for continuing students is in April.

For criteria and up-to-date scholarship listings, go to [http://www.calstatela.edu/univ/finaid/on\\_campus.htm](http://www.calstatela.edu/univ/finaid/on_campus.htm)

## New Student Orientation Programs

All freshman students enrolling for the first time at Cal State L.A. are required to attend an orientation to the University prior to registering for classes for their first quarter of attendance. Transfer students are not required to attend but attendance is strongly recommended. Orientation programs are planned

to introduce new undergraduate students to Cal State L.A. The programs are held shortly before new student registration; the dates appear in the Schedule of Classes each quarter. Participating students are welcomed by campus administrators and student leaders, given valuable information by faculty advisors, invited to participate in small group sessions with trained student orientation leaders, and assisted in registering for classes. More information is available by calling (323) 343-3195, or at the University Orientation Website: [www.calstatela.edu/univ/stuaffrs/orientation](http://www.calstatela.edu/univ/stuaffrs/orientation)

## **Educational Participation in Communities (EPIC)**

EPIC is the University's community service learning center. EPIC encourages Cal State L.A. students to become involved in off-campus community service and works with faculty to support service learning courses. Students can gain valuable experience and personal development through a wide range of service opportunities and can also receive academic credit for volunteer service by enrolling in Community Service 395, a course offered by several academic departments. EPIC also coordinates other community service initiatives such as the America Reads/America Counts tutorial program, the annual Toy and Food Drive, and the Youth Employment Program. Utilizing principles of student development, EPIC employs approximately 50 Federal Work Study students who serve as leaders and coordinators of all of the program's service initiatives. For further information contact EPIC in the lower level of the Career Center or call (323) 343-3380.

## **Student Health Services**

### ***Medical Services***

The Student Health Center (SHC) offers a full array of health-related services including general medical care of common health problems, women's health and family planning, physical examinations, health promotion and education, dental care, pharmacy, X-ray, laboratory, optometry, chiropractic, and massage therapy. Many services are offered free of charge, and others are provided at low costs. The SHC also provides various immunizations such as those required for admission to Cal State L.A., employment, and traveling. The center is open Monday–Friday. For more information call (323)343-3300 or visit the Student Health Center web site, [http://www.calstatela.edu/univ/hlth\\_ctr/](http://www.calstatela.edu/univ/hlth_ctr/). To make appointments, students can call (323)343-3302.

Students having severe or complicated illnesses that need hospitalization or care beyond the scope of the health center are referred to private or community providers/facilities. Because on-campus services may not meet students' year-round health needs, enrollment in a program of supplemental health insurance is recommended. Information about the campus-sponsored program is available at the Student Health Center.

### ***Personal Counseling***

The Counseling and Psychological Services in the SHC provides individual and group counseling for students dealing with issues such as depression, anxiety, personal adjustment difficulties, problems with interpersonal relationships, conflicts about sexuality, coping with stress, and clarifying goals. Counseling can help students deal with their personal and emotional issues and make the most of their education by fostering personal growth and promoting mental health. The center is a place where individuals can explore and express their feelings, values, and concerns with a trained professional in an atmosphere that is confidential, interactive, and non-judgmental. Students can make appointments by calling (323) 343-3314.

## **Other Services and Programs**

### ***Anna Bing Arnold Child Center***

The Anna Bing Arnold Child Care Center provides part-time and full-time day care at a nominal cost for children ages two to five years whose parents are Cal State L.A. students, staff, or faculty members. The center is located at 2300 Levanda St. in Los Angeles, adjacent to the campus. The attractive, residential style building with a large, fully fenced yard was designed to serve as a learning environment for Cal State L.A. students as well as for children. For applications and information, call (323) 343-2470.

### ***Immigration Counseling Services***

Provides assistance to visa students, foreign scholars, and foreign faculty with visa issuance (F, H, and J visas, etc.), maintenance of student status, and matters that involve the U.S. Department of Homeland Security.

### ***Opportunities to Study at Other Universities in the U.S. and Abroad***

The California State University International Programs (IP) provides the opportunity to study for an academic year at top universities in numerous countries. The International Office (SA 115) offers information about short-term study opportunities in other countries, Fulbright and Rotary fellowships, internships, volunteer programs, and short-term work opportunities abroad. Academic credit is available for study abroad. Financial aid may be applied to these programs. Many programs cost little more than studying at Cal State L.A. For more information about these programs, visit Student Affairs 115, call (323) 343-3170, or refer to the **International Programs** section in the chapter titled **The University**.

### ***Office for Students with Disabilities***

The Office for Students with Disabilities (OSD) provides services designed to enhance the educational and social experience of students with disabilities. Students with verified disabilities are provided appropriate disability-related services as eligible from the following list:

- Admission requirement information
- Orientation to OSD services
- Priority registration
- Program change assistance
- Temporary disabled parking
- Liaison to the State Department of Rehabilitation
- Referrals to on- and off-campus resources
- Referrals for Diagnostic assessment of learning disabilities
- Referral to on-campus computer labs that have adaptive equipment
- Disability management counseling
- Test-taking accommodations
- Note taking services
- Tutoring by referral
- Interpreters (sign language and oral)
- Real-time captioning
- Test proctors
- Lab assistants

### ***Adaptive Technology Program***

The Adaptive Technology Program provides students alternative access to electronic information and computer technology, including orientation and training. The program provides campus-wide support for the libraries, academic technology services, and all academic departments and divisions. The program has a lab of twelve computers in Library South Palmer Wing room 1080. The program provides training and support on standard software, voice-input systems, screen readers, enlargement software, Braille translation and printing, CCTV's, book-reading equipment, and other educational aids.

### ***Alternative Media Services***

Alternative media accommodations are available to eligible students with documented disabilities that impair the ability to perceive, comprehend or manipulate written materials. Students who believe they are eligible should meet with a Disability Specialist to discuss their needs.

The Office for Students with Disabilities is located in Administration 127, (323) 343-3140 (TDD 343-3139); fax (323) 343-6429.

## **Veterans' Services**

Cal State L.A. is approved for the training and education of veterans of the military services and their dependents under educational assistance programs established by the state and federal governments. Authorization for education benefits under all federal bills must be obtained from the Veterans Administration through its regional office at 11000 Wilshire Boulevard, Los Angeles, CA 90024 or online at <http://gibill.va.gov/apply-for-benefits/application/>. Veterans with no prior claims under the G.I. Bills are urged to request their letter of eligibility at least two months before enrolling. Those transferring from another school should submit their G.I. Bill transfer request at least one month before enrolling.

The Veterans Affairs Office, located in Administration 122, (323) 343-5080, and acts as a liaison and advocate for student-veterans on campus. The office also provides General Education academic advising, housing information, additional VA benefits counseling, and is home to the Student Veteran Organization on campus. The Certifying Official is located at Administration 401, (323) 343-3943 and provides enrollment certification for financial benefits and serves as a liaison between the University and the VA regional office for benefit payments and advisement about current benefits. Information about changes in legislative regulations and procedures also is available at both offices.

## **Children of Disabled Veterans**

Students who qualify as children of certain disabled veterans of U.S. military services may be exempted from paying any student services portion of the registration fees, according to the California Education Code. Information about eligibility requirements and applications for waiver of these fees are available in the Office of Veterans' Services.

## **Housing Services - Living on Campus**

Cal State L.A.'s resident apartments offer an excellent "home away from home" for students who choose to live on campus, from freshmen to graduate students. All of the 132 two-bedroom and 60 four-bedroom apartments are furnished, including carpeting and blinds, air conditioning, stoves, microwave ovens and refrigerators. Students may relax in two community centers. The complex also offers a recreation/game room, large TV lounge, computer lab, dining room and laundry facilities. The basketball court is equipped with lights for evening use. Parking is available in a specially designated, well-lit parking area. Live-in staff members help residents build and maintain a sense of community. Resident Advisors provide both

educational and social programs to create a well-rounded experience for students who live in on-campus housing.

Opening Fall 2011, Dobbs Street Community Housing for Graduate Students. Students can look forward to affordable housing with single occupancy in two-bedroom apartments. There are suite-style and double occupancy rooms for students on a stricter budget. Living at the Dobbs Street Community gives you an opportunity to meet and live among graduate students and enhance your academic experience. Take advantage of our quiet community living with convenient access to classes, faculty, libraries, research facilities and other campus resources. It is perfect for students without cars and only minutes away from class.

For more information, contact Housing Services at [askhousing@cslanet.calstatela.edu](mailto:askhousing@cslanet.calstatela.edu), (323) 343-4800 or visit the website: [www.calstatela.edu/univ/housing/](http://www.calstatela.edu/univ/housing/).

## University-Student Union

The University-Student Union (U-SU), (323) 343-2450, is the focal point of extracurricular interaction for the University community. Students, staff, faculty, alumni, and invited guests participate in social, cultural, recreational, and educational activities. In temporary quarters until a new University Student Union is built, the Union offers information services, lounge and study areas, and employment opportunities, as well as student activities and special events.

### *Board of Directors*

The University-Student Union Board of Directors, which comprises 13 voting members including seven students, establishes policy and governance and develops administrative policies that affect the management of the building. The board conducts much of its work through a committee structure that includes fiscal, personnel, space allocation and building usage, student programs and executive committees. Meetings are open to the public, and attendance is encouraged. Applications for the U-SU Board can be picked up in Room 306 or by contacting Joe Sedlacek at 323-343-2450.

### *Union Meeting & Event Services*

The Union Meeting & Event Services (UMES) office is responsible for processing reservation requests and assisting sponsors with identifying the most efficient use of designated and programmable space in the University-Student Union. This office also coordinates all nonacademic scheduling of campus facilities for recognized student clubs and organizations. Meeting rooms, conference facilities and audio-visual or media equipment for conferences, retreats, receptions, and social events can also be reserved through this office. UMES is located on the third floor of the University-Student Union in Room 306. Please feel free to contact us by phone at 323-343-2465 or by email at [ureserv@cslanet.calstatela.edu](mailto:ureserv@cslanet.calstatela.edu)

## Student Activities

### *Cross Cultural Centers*

The mission of the Cross Cultural Centers at California State University, Los Angeles is to encourage student learning as well as foster an inclusive campus community that challenges racism, sexism, heterosexism, classism, and other forms of oppression. With a commitment to social justice and increasing cross-cultural awareness, the CCC offers a wide variety of programs and services that explore the shared and unique experiences, histories, and heritages of our diverse community.

The Cross Cultural Centers consist of four resource centers: Gender & Sexuality Resource Center (founded as Women's Resource Center) in 1976; Pan African Student Resource Center, founded in 1990; Asian Pacific Islander Student Resource Center, founded in 1993; and Chicana/o Latina/o Student Resource Center, founded in 1993. The CCC is located on the second floor of the University-Student Union, Room 206. Contact the Cross Cultural Centers at (323) 343-5001.

### *Center for Student Involvement*

The Center for Student Involvement serves as a hub for student involvement and programs, adding to the value of campus life at Cal State L.A. The Center is responsible for Campus Programs and Activities; Student Organizations; Fraternities and Sororities; and Student Leadership Initiatives. Over 150 programs are offered each year for Cal State L.A. students, faculty, staff, alumni, and guests. A group of student coordinators plan and promote a variety of events, including Fall Student Fest, Mardi Gras, musical entertainment, comedy performances, lectures, workshops, and recreational trips.

Cal State L.A. hosts over 100 student organizations that address a variety of issues and plan hundreds of events each year. The student organizations represent academic, cultural, political, professional, religious and spiritual, service, social, and recreational interests. Students are able to join an existing organization or start one of their own.

Many programs are offered that allow students to explore and enhance their leadership abilities including the Leader Project and Leader to Leader. U-Lead workshops are offered throughout the year by the Center to serve all leaders. The Center is located on the second level of the University-Student Union in room 204. Please feel free to contact The Center for Student Involvement at 323-343-5110 or [centerstd@calstatela.edu](mailto:centerstd@calstatela.edu).

### *Sororities and Fraternities*

A traditional part of campus life for many Cal State L.A. students is membership in fraternity and sorority organizations, which offer the chance to meet

new friends and participate in an extensive program of activities. In addition to social functions, these organizations are involved in various campus and community projects and provide housing for a limited number of their members.

#### **Sororities**

Alpha Sigma Tau  
Alpha Theta Pi  
Chi Sigma Phi Beta Colony  
Delta Phi Sigma  
Delta Sigma Theta Sorority, Inc.  
Delta Zeta  
Kappa Zeta Phi  
Lambda Theta Alpha  
Lambda Theta Nu  
Sigma Lambda Gamma Colony  
Upsilon Kappa Delta  
Zeta Phi Beta

#### **Fraternities**

Alpha Phi Alpha  
Fraternity, Inc  
Beta Gamma Nu  
Gamma Zeta Alpha  
Phi Sigma Kappa  
Sigma Alpha Epsilon  
Sigma Lambda Beta  
Sigma Nu

### **Co-Ed Fraternity**

Alpha Phi Omega  
Delta Sigma Chi  
Kappa Mu Alpha

### ***Women's and Gender Studies Activities***

A wide variety of programs in Women's and Gender Studies are offered through the Center for the Study of Genders and Sexualities (CSGS). Lectures, performances, faculty-research discussions, internships, and research opportunities are all open to students. CSGS invites students to serve on planning committees as well. Students from all majors and minors are eligible to participate.

### ***Intramurals***

The School of Kinesiology and Nutritional Science offers a variable selection of intramural sports and activities for all men and women at Cal State L.A. Opportunities range from varied recreational interests to competitive intramural leagues. Students may enroll for credit in an intramurals course, PE 110.

## **Student Publications**

A wide variety of student publications represent the myriad academic and professional interests of Cal State L.A.'s student body. A partial list of these publications appears below. For information about being involved in—or receiving—a particular publication, interested students should contact the appropriate department/division/school.

<b>Publication</b>	<b>Department or College Office</b>
Statement	English
University Times	Communication Studies
Perspectives: A Journal of History	History

## Procedures and Regulations

- General Information
- Schedule of Fees: 2011-2012
- Schedule of Fees: 2012-2013
- Categories of Enrollment
- Withdrawal and Leaves
- Transcript of Academic Record
- Course Numbering System
- Course Abbreviations
- Grading System
- Scholastic Status of Undergraduate Students
- Scholastic Status of Graduate and Postbaccalaureate Students
- Student Conduct: Rights and Responsibilities
- Credit Hour

## General Information

Information about University procedures and regulations contained in this section is applicable to all undergraduate students. Some general information also applies to postbaccalaureate and graduate students. Additional procedures and regulations applicable only to postbaccalaureate and graduate students are included in the Graduate and Postbaccalaureate Study section.

### *Undergraduate Class Levels*

Undergraduate students are classified according to the number of quarter units of baccalaureate-level course work they have completed, calculated as follows:

<u>Class Level</u>	<u>Quarter Units Completed</u>
<b>Lower Division</b>	
Freshman	0–44
Sophomore	45–89
<b>Upper Division</b>	
Junior	90–134
Senior	135+

### *Quarter Units/Quarter System*

Cal State L.A. credits are expressed in quarter units; one quarter unit normally represents no less than one hour of class work and two or more hours of outside study per week for one quarter. One and one-half (1½) quarter units are equal to one (1) semester unit. Conversely, one quarter unit is equal to 2/3 semester unit of credit.

### *Study Load*

Undergraduate students must carry a study load of 12 units for full-time enrollment certification by the University. The recommended full-time study load for undergraduates is 16 units. Students on scholastic probation must limit their study load to 12 units unless an academic adviser in their major department/division/school has approved an exception.

### *Campus Identification Number (CIN)*

Effective Summer Quarter 2003 California State University, Los Angeles will randomly assign a nine-digit Campus Identification Number (CIN) to all students in the University. This number is used as a means of identifying records and offering services pertaining to students. The students' Social Security Number will continue to be retained for purposes of financial aid eligibility and other debts payable to the institution.

### *Undergraduate Student Orientation*

All undergraduate students enrolling for the first time at Cal State L.A. are required to attend an orientation to the University prior to registering for classes for their first quarter of attendance. The orientation will provide information to help students gain a better understanding of the various aspects of University life and learn about policies and procedures as well as, skills and knowledge for success. Student will also learn about appropriate courses for their individual program and register for their first quarter. More information is available by calling (323) 343-3195, or at the University Orientation Website: [www.calstatela.edu/univ/stuaffrs/orientation](http://www.calstatela.edu/univ/stuaffrs/orientation).

## **Registration**

Continuing students at California State University, Los Angeles receive information regarding their registration appointment dates by logging into GET (Golden Eagle Territory). Additional information about registration procedures is provided in the Schedule of Classes, available online each quarter before the registration period. Web registration (GET) is available to all eligible continuing students.

Students maintain their continuing student status for registration purposes only by attending at least one of the three quarters immediately preceding the quarter in which they plan to enroll (excluding the summer term). Students who were admitted and enrolled in one of the last three quarters preceding the quarter in which they plan to enroll will also maintain their continuing student status for registration purposes. Absence for more than one of any three consecutive quarters without an approved leave of absence will cancel continuing registration eligibility. See Leaves of Absence later in this chapter.

***Effective Fall Quarter 2013 and for subsequent quarters***, continuing student status for registration purposes is maintained by attending at least two of the four quarters immediately preceding the quarter a student wishes to enroll in, including Summer Quarter. For students who have been in attendance for at least four quarters prior to Fall Quarter 2013, for example, this means that they will be continuing students only if they attended any two of the preceding four quarters, including Summer Quarter 2013. This information will also be included in the online Schedule of Classes.

Attendance in University extension courses does not constitute continuous attendance. Students who attended another college or university during an absence from Cal State L.A., except for a summer session or extension program or approved visitor enrollment at another CSU campus, are required to file an application for admission as a returning student and have official transcripts of work taken sent to the Admissions Office. The \$55 nonrefundable application fee is charged. Such students will, if eligible, receive forms to register as returning students.

Students who have graduated with a bachelor's degree from Cal State L.A. and wish to continue in graduate standing are required to file a new application for graduate admission and will, if eligible, receive forms to register as new students.

## **Academic Advisement**

Academic advisement is required for all new students before or during their first quarter in attendance. Freshman students must attend Orientation and will receive basic advisement during their Orientation session. Before registering for their first quarter at Cal State L.A., transfer students should consult an adviser in their major department/division/school to plan a program of study. Newly admitted students should bring a copy of all high school and/or college transcripts when seeking advisement. They should consult the *Schedule of Classes* for a list of academic advisers. After the first advisement session, students must consult an academic adviser at least annually or more often as necessary to enhance academic success. Undergraduate students who, upon admission to the University, are unable to select a specific major shall consult an adviser in the University Academic Advisement Center.

By the end of their first year in residence, students must meet with an academic advisor to develop a degree plan. Because the approved degree plan becomes the basis for determining eligibility for the degree, any change in the student's degree plan must have an academic adviser's approval. Annual, or more often as needed, consultation with an academic adviser in the major department/division/school or University Academic Advisement Center is therefore required.

After reaching 90 units and before completing 120 units, all students are required to meet with an academic advisor to review their progress toward graduation based on an audit of their degree plan. In addition, if students have reached 180 units and have not filed a graduation application, they must meet with an academic advisor to develop a plan to help ensure timely and efficient progress toward graduation. The plan will include remaining requirements and dates of future progress checks.

Forms used for change or declaration of major are available in Administration 146. Students may change their major by consulting an adviser in the appropriate academic department/division/school, and by application through the University Academic Advisement Center. They should be aware, however, that a change in major will require that adjustments be made to their degree plan and may delay graduation.

## **Undeclared Majors**

Upon admission, undergraduate students are encouraged to declare a major. Those who have not selected a specific major shall be designated undeclared majors. Before registering for their first quarter at Cal State L.A., undeclared majors shall consult an adviser in the University Academic Advisement Center, Library, Palmer Wing 1040A, to plan a preliminary program of study.

All first time freshmen and transfer students who are admitted with less than 30 units shall declare a major by the time they complete 45 quarter units in residence or four quarters in residence, whichever comes first.

All transfer students must declare and be accepted into a degree program upon matriculation.

Upon declaring a major, students shall meet with an academic advisor to develop a degree plan.

## **Final Examinations**

Final examinations or final class meetings are required in all courses at the time and place shown in the final examination schedule in the *Schedule of Classes*. Any exception in time or place must have written approval of the instructor, department/division/school chair or director, and college dean. Students who find it impossible to take a final examination at the scheduled time may, with the written approval of the instructor, department/division/school chair or director, and college dean, have a special final examination administered.

## **Repeating Courses**

Unless otherwise indicated in the description of a particular course in this catalog, students may not repeat for credit any course they have already completed with a grade of C (2.0 grade points) or higher nor may they, in any case, receive units earned more than once for each passing attempt.

## Repeating Courses for Grade Replacement

Unless otherwise indicated in a particular course description in the University Catalog, students may not repeat for credit any course already completed with a grade of C (2.00 grade points) or higher.

Students may repeat a course up to two times for purposes of grade replacement if the grade of record is below a "C." Grade replacement is the circumstance in which the new grade replaces the former grade in terms of the calculation of GPA. Grade replacement will occur automatically for up to a maximum of 20 quarter units of repeated coursework and is limited to courses taken at California State University, Los Angeles, whether taken in a matriculated status or as coursework completed through Extended Educational or Open University. Grade replacement shall occur only when the same or equivalent course is taken a second or third time at California State University, Los Angeles. For purposes of grade replacement, a repeated course may be considered equivalent to the original course if only the number and/or name of the original course has been modified, but not for a different course with equivalent content. In computing grade point averages for graduation with a baccalaureate from this institution, units attempted, units earned (if any), and grade points (if any) for up to two previous attempts of the same or equivalent course shall be excluded when conditions specified in this policy are met. Repeating courses under this policy does not result in the removal of the original record and grade from the transcript. Grade replacement shall not be applicable to courses for which the original grade was a result of a finding of academic dishonesty. Individual colleges and departments/divisions/ schools/programs may have additional restrictions on acceptance of grade replacement.

## Repeating Courses with "Grades Averaged"

In addition to the 20 quarter-units for which grade replacement is permitted, undergraduate students may repeat 18 quarter-units with the grade earned in the repeated course calculated into the student's overall grade-point average. The original grade is not replaced by the repeated grade; both grades are used for the calculation of the grade point average and remain on the student's records. These limits apply to units completed at CSULA, whether as a matriculated student or through the College of Extended Studies and International Programs or Open University.

## Academic Renewal

Under certain circumstances, up to two semesters or three quarters of previous undergraduate course work taken at any college may be disregarded from all considerations associated with requirements for the baccalaureate. Detailed eligibility and procedural information is provided in the *Schedule of Classes*.

The basic criteria are listed below:

- Five years must have elapsed since the completion of the most recent work to be disregarded;
- Any previous removal of work from degree consideration must be included in applying the limits on work that may be disregarded;
- Since completion of the work to be disregarded, students must have maintained the following grade point averages at Cal State L.A. at the time of petition: 3.0 for students with 22–44 quarter units completed; 2.5 with 45–66 units completed; and 2.0 with 67 or more units completed; and
- There must be evidence that the student would find it necessary to complete additional units and enroll for one or more additional quarters to qualify for the baccalaureate if the request was not approved.

Students are advised that they may file a petition to disregard undergraduate course work as described above if their grade point average is lower than C (2.0) in general education, the major, or overall college units attempted (a condition preventing them from qualifying for the degree) and they meet all of the above criteria and conditions.

## Honorable Dismissal

Honorable dismissal is granted to all students who are not under financial obligation to the University and who are not under disciplinary probation, suspension, or expulsion. Academic disqualification does not constitute dishonorable dismissal.

## Petitions for Waiver of Regulations

Rules and regulations in this catalog have been adopted by the faculty and administration to maintain appropriate academic standards and facilitate the administration of the university's programs. Students who believe that extenuating circumstances might justify the waiver of a particular regulation or requirement may file a petition at their major department/division/school office, according to established procedures, for consideration by a faculty committee. However, provisions of *Title 5, California Code of Regulations*, or other state or federal laws and regulations, are not subject to waiver by petition. Detailed information about procedures and regulations governing petitions are found in the *Schedule of Classes*.

## Schedule of Fees: 2011-2012

**CAUTION:** All student fees are subject to change without advance notice. See **Schedule of Classes** or the **on-line catalog** for most current fee listing.

The CSU makes every effort to keep student costs to a minimum. Fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU must reserve the right, even after initial fee payments are made, to increase or modify any listed fee, without notice, until the date when instruction for a particular semester or quarter has begun. All CSU listed fees should be regarded as **estimates** that are subject to change upon approval by The Board of Trustees.



The following reflects applicable systemwide fees for quarter campuses.

### Application Fee

Application Fee (nonrefundable), payable by check or money order at time application is made: \$55

### 2011-12 Basic Tuition Fees

2011-12 Basic Tuition Fees				
Units	Per Quarter		♦Per Academic Year	
	Undergraduate	Graduate	Undergraduate	Graduate
0.0 to 6.0	\$ 1,058.00	\$ 1,302.00	\$3,174.00	\$3,906.00
6.1 or more	\$ 1,824.00	\$ 2,246.00	\$5,472.00	\$6,738.00
Credential Program Participants				
Units	Per Quarter	♦Per Academic Year		
0.0 to 6.0	\$ 1,228.00	\$3,684.00		
6.1 or more	\$ 2,116.00	\$6,348.00		
Campus Mandatory Fees		Per Quarter	♦Per Academic Year	
Student Health Services		\$55.00	\$165.00	
Health Facilities		2.00	6.00	
Athletics Fee		20.95	62.85	
Instructionally Related Activities		20.00	60.00	
***Associated Students		**17.25	53.75	
University-Student Union		91.50	274.50	
** \$19.25 in Fall Quarter				
*** Refer to Appendix H				
♦Academic year does not include summer quarter				
Total Cal State L.A. University Fees (Includes State University Tuition fees and Campus Mandatory fees listed above)				
Units	Per Quarter		♦Per Academic Year	
	Undergraduate	Graduate	Undergraduate	Graduate
0.0 to 6.0	\$ 1,266.70	\$ 1,510.70	\$3,800.10	\$4,532.10
6.1 or more	\$ 2,032.70	\$ 2,454.70	\$6,098.10	\$7,364.10
Credential Program Participants				
Units	Per Quarter	♦Per Academic Year		
0.0 to 6.0	\$ 1,436.70	\$4,310.10		
6.1 or more	\$ 2,324.70	\$6,974.10		
♦Academic year does not include summer quarter				

### Doctorate Programs

Fees for Students enrolled in the joint Ed. D. program with the University of California, Irvine (UCI), pay fees at UCI. Students enrolled in the joint Ph. D. program with the University of California, Los Angeles, pay Graduate fees at Cal State L.A.

### Doctorate Programs Tuition Fees\*

#### All students

Per semester \$5,250 / Per quarter \$3,500 / \$10,500 per academic year

\* Applicable term fees apply for campuses with special terms, as determined by the campus. Total College Year fees cannot exceed the Academic Year plus Summer Term fees.

### Graduate Business Professional Fee

All Students \$169.00 per quarter unit rate

The Graduate Business Professional Fee is paid on a per unit basis in addition to basic tuition fees and campus fees for the following graduate business

programs:

**Master of Business Administration (M.B.A.)**

**Master of Science (M.S.) programs in Accountancy**

**Master of Science (M.S.) programs in Business Administration**

**Master of Science (M.S.) programs in Health Care Management**

**Master of Science (M.S.) programs in Business and Technology**

**Master of Science (M.S.) programs in Information Systems**

**Master of Science (M.S.) programs in Taxation**

***Nonresident Tuition—U.S. and Foreign***

**Nonresident Tuition (In addition to basic tuition fees and other systemwide fees charged all students)for all campuses:**

Charge per quarter unit                      \$248.00

The total Nonresident tuition paid per term will be determined by the number of units taken. Mandatory systemwide fees are waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers). Students are charged campus fees in addition to tuition fees and other systemwide fees. Information on campus fees can be found by contacting the individual campus(es).

***Other Fees***

(refer to Schedule of Classes for more detailed list)

<b>Fee</b>	<b>Amount</b>
Comprehensive exam. (course #596 in major)	\$10.00
Credential application (\$55 goes to the California Commission on Teacher Credentialing)	120.00
Credential (transcript) evaluation/processing	25.00
Degree check application (graduation)	20.00
Diploma	10.00
Dishonored check (first time)	25.00
Dishonored check (subsequent to first time)	35.00
Dishonored credit card	20.00
Entry Level Mathematics (ELM) Exam	16.00
Modern Language Reading Exam (ML 901)	10.00
Late Registration (nonrefundable)	25.00
Automobile Parking Permits per quarter	90.00
3-Quarter Parking Permits	270.00
Motorcycle, Moped Parking Permits per quarter	20.00
<b>Parking Dispenser Machines</b>	
Daily Parking (per hour)	1.00
Two Hours (2)	2.00
Four and a half Hours (4 ½)	3.00
All Day (valid until midnight)	6.00
<b>Fee</b>	<b>Amount</b>
Golden Eagle Card (nonrefundable)	5.00
Thesis binding (per copy) (not a state fee)	15.00
Transcript of academic record (single copy)	4.00
Each additional transcript (2–10) requested at the same time	2.00
Each additional transcript (in excess of 10) requested at the same time	1.00
Writing Proficiency Examination (WPE-UNIV 400)	25.00

***Materials/Breakage Fee***

Some art, chemistry, and technology courses have additional fees for special materials and/or breakage. These courses are identified in this catalog and in *Schedule of Classes* notes. Items lost or broken will be charged at cost. Failure to satisfy charges billed will result in the withholding of transcripts and registration privileges.

***Library “Excessive Use” Fees***

“Excessive Use” fees are computed from the time the material was due until the time the material is returned or declared lost.

***Excessive Use Fee Per Transaction***

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<b>Hourly or overnight loans</b>	
Per hour	\$0.25
Maximum per transaction	10.00
<b>Regular loans</b>	
Per day	25
Maximum per transaction	10.00
<b>Replacement fee for lost books</b>	
Excessive use fee	10.00
Service fee	10.00
plus replacement cost of item	
<b>Recalled items</b>	
Per day	0.75
<i>(Due on or before exact date specified in recall notice; no maximum per transaction)</i>	

Once billed, fees are not negotiable except under extenuating circumstances. Failure to satisfy charges billed may result in the **withholding of transcripts and registration privileges**.

### ***Musical Instrument and Audio/Visual Equipment Fee***

A fee of up to \$25 will be charged for the repair, maintenance, and insurance of musical instruments and audio/visual equipment owned by the state and used by individual students in course work.

### ***Fee Waivers***

The California Education Code includes provisions for the waiver of mandatory systemwide fees as follows:

Section 66025.3 – Qualifying children, spouses/registered domestic partners, or unmarried surviving spouses/registered domestic partners of a war period veteran of the U.S. military who is totally service-connected disabled or who died as a result of service-related causes; children of any veteran of the U.S. military who has a service-connected disability, was killed in action, or died of a service-connected disability and meets specified income provisions; any dependents or surviving spouse/registered domestic partner who has not remarried of a member of the California National Guard who in the line of duty and in active service of the state was killed or became permanently disabled or died of a disability as a result of an event while in active service of the state; and undergraduate students who are the recipient of or the child of a recipient of a Congressional Medal of Honor and meet certain age and income restrictions;

Section 68120 – Qualifying children and surviving spouses/registered domestic partners of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of active law enforcement or fire suppression duties (referred to as Alan Pattee Scholarships); and

Section 68121 – Qualifying students enrolled in an undergraduate program who are the surviving dependent of any individual killed in the September 11, 2001 terrorist attacks on the World Trade Center in New York City, the Pentagon building in Washington, D.C., or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in Section 69432.7 for the Cal Grant A Program and either the surviving dependent or the individual killed in the attacks was a resident of California on September 11, 2001. Students who may qualify for these benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination. For more information, contact the Cashiers' Office, (323) 343-3630.

Section 38130.5 – Qualifying non-resident students exempt from paying nonresident tuition, such as, nonresident student with: high school attendance in California for three or more years; graduation from a California high school or attainment of equivalent; registration as an entering student at, or current enrollment at, and accredited institution of higher education in California not earlier than the fall semester or quarter of the 2001-02 academic year; in the case of a person without lawful immigration status, the filing of an affidavit with the institution of higher education stating that the student has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.

### ***Nonresident Teaching Credential Waiver***

Nonresident tuition fees may be waived for persons who hold a valid California credential and are employed by a public school district in this state in a full-time position requiring certification. Eligible persons must meet at least one of the following conditions:

- hold a provisional credential and enroll in courses necessary to obtain another type of credential authorizing service in the public schools;
- hold a partial credential and enroll in courses necessary to fulfill postponed credential requirements; or
- enroll in courses necessary to fulfill requirements for a fifth year of study as prescribed at Cal State L.A.

## **Schedule of Fees: 2012-2013**

**CAUTION:** All student fees are subject to change without advance notice. See **Schedule of Classes** or the **on-line catalog** for most current fee listing.

The CSU makes every effort to keep student costs to a minimum. Fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU must reserve the right, even after initial fee payments are made, to increase or modify any listed fee, without notice, until the date when instruction for a particular semester or quarter has begun. All CSU listed fees should be regarded as estimates

that are subject to change upon approval by The Board of Trustees.

The following reflects systemwide fees for both semester and quarter campuses that were approved for the 2012-13 academic year by the Board of Trustees at their November 2011 meeting. These rates are subject to change.

## All Students

**Application Fee (nonrefundable), payable by check or money order at time application is made: \$55**

### 2012-13 Basic Tuition Fees

#### All Campuses effective Fall, 2012

#### Units Per Quarter

##### Undergraduate Tuition Fee

6.1 or more	\$1,990
0 to 6.0	\$1,154

##### Credential Program Tuition Fee

6.1 or more	\$2,310
0 to 6.0	\$1,340

##### Graduate/Post Baccalaureate Tuition Fee

6.1 or more	\$2,452
0.0 to 6.0	\$1,422

### 2012-13 Doctorate Tuition Fees\*

	Units	Per Semester	Per Quarter	Per Academic Year
Education	All Students	\$5,559	\$3,706	\$11,118
Nursing Practice	All Students	\$7,170		
Physical Therapy	All Students	\$8,074		

\* Applicable term fees apply for campuses with special terms, as determined by the campus. Total College Year fees cannot exceed the Academic Year plus Summer Term fees.

### 2012-13 Graduate Business Professional Fee, effective Fall 2012

	Semester	Quarter
Charge Per Unit	\$278	\$185

The Graduate Business Professional Fee is paid on a per unit basis in addition to basic tuition fees and campus fees for the following graduate business programs:

- Master of Business Administration (M.B.A.)
- Master of Science (M.S.) programs in Accountancy
- Master of Science (M.S.) programs in Business Administration
- Master of Science (M.S.) programs in Health Care Management
- Master of Science (M.S.) programs in Business and Technology
- Master of Science (M.S.) programs in Information Systems
- Master of Science (M.S.) programs in Taxation

### Nonresident Students (U.S. and Foreign)

Nonresident Tuition (in addition to basic tuition fees and other systemwide fees charged all students) for all campuses:

	Semester	Quarter
Charge Per Unit	\$372	\$248

The total nonresident tuition paid per term will be determined by the number of units taken.

Mandatory systemwide fees are waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers).

Students are charged campus fees in addition to tuition fees and other systemwide fees. Information on campus fees can be found by contacting the individual campus (es).

### **Credit Cards:**

Credit cards may be used for payment of student fees on-line at <https://commerce.cashnet.com/csulapay> ViSA not accepted.

### **Refund of Mandatory Fees, Including Nonresident Tuition**

Regulations governing the refund of mandatory fees, including nonresident tuition, for students enrolling at the California State University are included in Section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those systemwide and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University. Refunds of fees and tuition charges for self-support, special session, and extended studies programs or courses at the California State University are governed by a separate policy established by the University, available from the College of Extended Studies and International Programs.

In order to receive a full refund of mandatory fees, including nonresident tuition, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available in the Schedule of Classes.

For state-supported semesters, quarters, and non-standard terms or courses of four (4) weeks or more, a student who withdraws during the term in accordance with the university's established procedures will receive a refund of mandatory fees, including nonresident tuition, based on the portion of the term during which the student was enrolled. No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees or nonresident tuition.

For state-supported non-standard terms or courses of less than four (4) weeks, no refunds of mandatory fees and nonresident tuition will be made unless a student cancels registration or drops all classes prior to the first day in accordance with the university's established procedures and deadlines. Students will also receive a refund of mandatory fees, including nonresident tuition, under the following circumstances:

- The fees were assessed or collected in error;
- The course for which the fees were assessed or collected was cancelled by the university;
- The university makes a delayed decision that the student was not eligible to enroll in the term for which mandatory fees were assessed and collected and the delayed decision was not due to incomplete or inaccurate information provided by the student; or
- The student was activated for compulsory military service.

Students who are not entitled to a refund as described above may petition the university for a refund demonstrating exceptional circumstances and the chief financial officer of the university or designee may authorize a refund if he or she determines that the fees and tuition were not earned by the university.

Information concerning any aspect of the refund of fees may be obtained from Student Financial Services, Administration 128, (323) 343-3630..

### **Disenrollment**

Students who have a tuition and fees obligation to the University will be billed. Payment must be made by the due date printed on the billing statement. Failure to pay by the established deadline is cause for disenrollment because of incomplete payment of tuition and fees. Disenrollment means the permanent loss of credit for classes taken for the quarter involved. There is no refund of any fees already paid for the quarter involved.

Students who fail to complete all required subcollegiate ("remedial") courses during their first year at Cal State L.A. will be disenrolled from the University in compliance with the CSU Chancellor's Office Executive Order 665.

### **State University Installment Plan**

The CSU is now authorized to collect State University Fee and Nonresident Tuition in installment payments. The administrative fee for the State University Installment Plan is \$22 per academic quarter. The administrative fee for nonresident tuition is 15 percent of each installment payment. For additional information about this plan, please refer to the *Schedule of Classes*.

### **Fees and Debts Owed to the Institution**

Should a student or former student fail to pay a fee or a debt owed to the institution, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (see Title 5, *California Code of Regulations*, Sections 42380 and 42381).

Prospective students who register for courses offered by the university are obligated for the payment of fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student fees including any tuition for the reservation of space in the course. The institution may withhold permission to register or to receive official transcripts of grades or other services offered by the institution from anyone owing fees or another debt to the institution.

If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact the campus cashiers office. The cashiers office, or another office on campus to which the cashiers office may refer the person, will review all pertinent information provided by the

person and available to the campus and will advise the person of its conclusions.

## **Credit Cards**

Credit cards may be used for payment of student fees on-line at <https://commerce.cashnet.com/csulapay> ViSA not accepted.

# **Categories of Enrollment**

## ***Credit by Examination***

Undergraduate students in good standing and officially enrolled in one or more residence courses may challenge courses by taking examinations developed at the campus. Examinations are interpreted broadly to include whatever activity, test, or demonstration an instructor deems appropriate to evaluate comprehension, skills, or knowledge required by the course objectives. Credit shall be granted to students who pass examinations that have been approved for credit systemwide. These include the Advanced Placement Examinations, the CSU English Equivalency Examination, and some CLEP examinations.

Approval of the chair of the department/division/school that offers the course and an instructor for the course is required. Forms for approval are available in Enrollment Services, Administration 146, and must be filed with the Records Office by the fifth week of the quarter in which the examination is taken. Additional fees must be paid if the added units alter the total fees due for the quarter.

Credit by examination is restricted to undergraduate and graduate courses listed in this catalog. It is without unit limit, but does not count as residence credit. Such credit is not treated as part of the student's workload during a regular quarter and therefore does not require approval for excess study load. Grades received by examination are recorded as final grades on the permanent academic record and are designated as earned through credit by examination.

Credit earned by examination at another accredited institution is accepted upon transfer, if the units have been accepted by the previous institution as equivalent to specific courses and are not in violation of any other regulations.

## ***Visitors within California State University (CSU)***

Students who are enrolled at any CSU campus may transfer temporarily to another CSU campus in visitor status if they have completed 12 units with a minimum C (2.0) grade point average at the home campus, are in good standing, and are eligible to register in continuing status. Visitors are approved for one term only, subject to space availability and registration priority policies at the host campus. Enrollment as a visitor may be repeated after re-enrollment at the home campus. This opportunity may be particularly valuable to students whose educational progress can be enhanced or expedited by attending a summer quarter at Cal State L.A. Concurrent enrollment (see below) is not permitted during visitor status. Visitor applications may be obtained at Student Affairs 101.

## ***Concurrent Enrollment within CSU***

Students who are enrolled at any CSU campus may enroll concurrently at another CSU campus if they have completed 12 units at the home campus with a C (2.0) grade point average and are in good standing. Concurrent enrollment is approved for a specific term, subject to space availability and registration priority policies at the host campus. Because of overlap in academic terms of campuses on semester and quarter calendars, concurrent enrollment is subject to combinations and conditions described in the concurrent enrollment application forms available at Student Affairs 101.

## ***Open University***

Enrollment through Open University, administered by the College of Extended Studies and International Programs, permits nonmatriculated students to enroll in certain University classes on a space available basis; however, matriculated students in the University who are in continuing status (i.e., students who have registered for at least two of the previous four quarters) may not enroll in degree credit-granting classes offered under state support and made available to students by the College of Extended Studies and International Programs through Open University.

## ***Audit Registration***

Regularly enrolled students may register for classes in audit status through add/drop (program change) procedures only as indicated in the *Schedule of Classes* for audit registration. Such registrations are subject to the same fee regulations as registration for credit, and fees must be paid at the time of registration. Registration for a course in audit status is subject to approval of the instructor and is permitted only after students who desire to enroll on a credit basis have had an opportunity to do so.

Regular class attendance is expected, but audit registrants are not required to complete assignments or take examinations. An audit registration may not be changed to a credit registration after the last day to add classes. No entry about audit registration is made on student grade reports or transcripts.

## ***Dual Registration***

Undergraduate students who wish to take classes at another accredited college or university, not within The California State University, while enrolled at Cal State L.A. must file a *Notification of Dual Registration* at Student Affairs 101 by the end of the third week of the quarter involved. This notification must be endorsed by the student's Cal State L.A. major department/division/school academic adviser and the department/division/school chair or director for the course(s) involved. Students are advised, also, to consult official evaluators and advisers at the non-CSU campuses where the work is

taken to ensure the transferability of course work. Courses so taken are subject to all regulations and limitations governing transfer credit. To receive bachelor's degree credit for such course work, students must have official transcripts forwarded to the Admissions Office upon completion of the course work.

### ***Change of Program***

Students are strongly advised to select classes carefully and to avoid the undesirable necessity of changing their program of study. Adding and dropping classes, including changing sections in the same course, may be done only in accordance with policies, procedures, and time limits stated in the Schedule of Classes. Students who fail to follow these procedures incur the risk of a grade of F or WU.

## **Withdrawals and Leaves**

### ***Withdrawal from Courses***

The last day of the quarter on which a student may, with the approval of the instructor, add classes is the same day of the third week as the day of the week on which classes began.

Students may withdraw without restriction or grading penalty up to and including the sixth day of instruction. For this purpose, Saturday is not counted as a day of instruction. Students whose class meets weekly and whose first class is not held due to a University holiday shall be given one day after the first class meeting to withdraw. For this purpose, Saturday is not counted as a day of instruction.

In such cases, no record of individual course withdrawal appears on the permanent academic record.

Drops between the seventh day of instruction, as excepted above, and the end of the seventh week of the quarter are permitted only for serious and compelling reasons. The student must obtain the signatures of the course instructor and the department/division chair or school director on a drop request form, which shall state the reasons for the withdrawal. Undergraduate students shall not be allowed to withdraw from more than a total of 28 quarter-units attempted at CSULA except as specified below.

When circumstances clearly beyond the student's control such serious illness, accidents, job transfer, or military deployment are documented and used as a basis for the approval of withdrawal from all classes during this drop period, the units dropped under these circumstances shall not count against the 28 quarter-unit maximum. Such exceptions to this policy may be granted only with the additional approval by the appropriate college dean. After the seventh week, withdrawals shall not be permitted except in cases when circumstances are clearly beyond the student's control and the student is not eligible for an incomplete. Withdrawals of this nature shall normally require withdrawal from all courses. For those courses in which sufficient work has been completed to permit an evaluation to be made, a course grade and credit may be assigned at the discretion of the faculty. The student must obtain the signatures of the instructor, the department/division chair or school director, and college dean. The student's record will note the withdrawal from the course with a "W." Such withdrawals will not count against the maximum 28 quarter units.

There may arise circumstances where the department/division chair or school director may drop a student without first obtaining the instructor's signature, including when the student and the chair and/or director have been unable to contact the instructor after reasonable good faith effort. In these cases, the chair or director will notify the instructor of the action and its justification.

### ***Cancellation of Registration or Withdrawal from the Institution***

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow the university's official withdrawal procedures. Failure to follow formal university procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in another academic term. Information on canceling registration and withdrawal procedures is available at Administration 146 or by writing a personal request to the Office of Enrollment Services.

Students who receive financial aid funds must consult with a financial aid officer prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

### ***Credit Hour***

As of July 1, 2011 federal law (600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. For all CSU degree programs and courses bearing academic credit, the "credit hour" is defined as "the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours."

A credit hour is assumed to be a 50-minute period. In courses, in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

## ***Leaves of Absence***

Students may petition for a leave of absence for such reasons as professional or academic opportunities, like travel or study abroad; employment related to educational goals and major fields of study or participation in field study or research projects; medical reasons, including pregnancy, major surgery, and other health-related circumstances; and financial reasons, such as the necessity to work for a specified period to resume study with adequate resources. Petition forms are available at Administration 146.

Evaluation of petitions for leaves of absence takes into account the student's stated plans and the extent to which a leave would contribute to educational objectives. Students are expected to plan their time of return and their activities during the leave. They must also state why it is critical to remain in continuous residence. In the case of medical or financial leaves, they must state how they plan to remain current with or advance in their academic field.

Undergraduate students may request a leave for no fewer than 3 and no more than 8 quarters. Graduate students are granted a maximum of 4 quarters, subject to renewal. Continuing students' allowed absence of 2 quarters is included in these maximums.

Petitions must be filed at Administration 146 after action by the department/division/school chair or director (also the college graduate dean in the case of graduate students) no later than 3 weeks before the end of the quarter before the proposed leave. Approval entitles students to continuing status for registration purposes if they return no later than the quarter specified in their petition. Continuing students who return from a leave are entitled to priority registration privileges and are not required to file an application for readmission.

Undergraduate students retain current catalog requirements for graduation; classified postbaccalaureate and graduate students retain classified standing. Unclassified postbaccalaureate and conditionally classified graduate students who have an approved program on file in their college graduate studies office are subject to the conditions of those programs. All others are subject to the requirements in effect when they return.

## **Transcript of Academic Record**

A transcript of Cal State L.A. course work is issued upon written request by the student. Transcript request forms are available at Administration 146, on the Cal State L.A. Web Page and on the GET website. The cost of a single transcript is \$4. When more than one transcript is ordered at the same time, the first copy costs \$4, the second through tenth copies cost \$2 each, and any copies in excess of ten cost \$1 each. The form requires the name used by the student while in attendance, the birth date, and the nine digit Campus Identification Number (CIN).

Copies normally are mailed one week after receipt of request. However, requests that specify inclusion of grades just earned or verification of a degree just awarded cannot be filled until two to three weeks after the end of the quarter.

## **Course Numbering System**

### ***Course Numbers***

Subcollegiate, undergraduate, graduate, and noncredit courses are numbered as shown below.

**000–099 Subcollegiate level** (no credit allowed toward requirements for academic degrees).

**100–299 Lower division courses** (freshman and sophomore level).

**300–399 Upper division courses** (junior and senior level) that do not earn graduate credit.

**400–499 Upper division courses** (junior and senior level) that may earn graduate credit for graduate students.

**500–599 Graduate courses** for graduate students only.

**600–699 Specialized graduate courses** for postgraduate students matriculated in the joint Ph.D. program in Special Education.

**700–749 Courses intended primarily for lower division students.** Not acceptable toward degree or credential programs at Cal State L.A., but acceptable for professional advancement credit. Unit value credit listed directly after course title on academic record is acceptable for professional advancement credit only when accompanied by CR (Credit) grade.

**750–799 Courses intended primarily for upper division students.** Not acceptable toward degree or credential programs at Cal State L.A., but acceptable for professional advancement credit. Unit value credit listed directly after course title on academic record is acceptable for professional advancement credit only when accompanied by CR (Credit) grade.

**800–899 Highly specialized courses intended primarily for graduate students.** Not acceptable toward degree or credential programs at Cal State L.A., but acceptable for professional advancement credit. Unit value credit listed directly after course title on academic record is acceptable for professional advancement credit only when accompanied by CR (Credit) grade.

**900 Noncredit courses open to graduate students only.** Courses in the 900 series (UNIV 900) are open only to graduate students who have previously enrolled in all allowable research units (597) and are not enrolled in any other credit-bearing courses or thesis or project units (599) but will use University facilities or consult with faculty.

### ***Course Suffixes***

Many course numbers have letter suffixes. Although many indicate special uses of the course within a particular department/division/school, some suffixes are standard throughout the University.



**A, B, C, D, E** A sequence of courses in which A must be taken before B, B before C, etc., unless description indicates otherwise.

**C, K, S** Sections of regular courses taught primarily in Cantonese (Chinese), Korean, or Spanish, usually as part of bilingual/crosscultural teacher training program. These suffixes appear in course listings in the *Schedule of Classes* and on transcripts, but not generally in the catalog.

**H** Open to students who are enrolled in the General Education Honors Program only.

**IP** Class taught in independently self-paced mode; hours arranged between student and instructor.

**L** Lecture.

**M** Open to students in Master of Fine Arts degree program in Art only.

**N** Upper division course intended for students not majoring in the department/division/school that offers it; usually has different kinds of prerequisites; student in major may not count course in major program, but may include it as an elective outside the major.

**P** Practicum, laboratory, or activity.

**R** Open to conditionally classified graduate students only.

### ***Course Prerequisites and Corequisites***

Students are responsible for fulfilling prerequisites and corequisites. The instructor and department/division/school have the authority to waive specific prerequisites and/or corequisites for students who have completed equivalent courses at another institution, who have had equivalent experience (such as work experience), or who possess the requisite skills to proceed with the work of the course. Students should consult the instructor before registering to determine whether the course(s) or experience they present will justify waiver of the stated prerequisite(s) and/or corequisite(s).

## **Course Abbreviations**

Each academic discipline has an official course abbreviation that is used to identify the discipline in this catalog; on grade reports, transcripts, major program sheets, and many other documents; and in the Schedule of Classes. These course abbreviations, which are listed below, must be used on all program change forms.

Accounting	ACCT
Anthropology	ANTH
Arabic	ARAB
Armenian	ARM
Art	ART
Arts and Letters	AL
Asian and Asian-American Studies	AAAS
Astronomy	ASTR
Athletics	ATHL
Biology	BIOL
Business Administration (interdepartmental)	BUS
Chemistry	CHEM
Chicano Studies	CHS
Child Development	CHDV
Chinese	CHIN
Civil Engineering	CE
Classics	CLAS
Communication Disorders	COMD
Communication Studies	COMS
Communication (undergraduate and graduate courses)	COMM
Computer Information Systems	CIS
Computer Science	CS
Counseling	COUN
Criminal Justice	CRIM
Curriculum and Instruction	EDCI
Dance	DANC
Economics	ECON
Education (interdivisional)	EDUC
Educational Administration	EDAD
Educational Foundations	EDFN
Electrical Engineering	EE

Elementary Education	EDEL
Engineering (interdepartmental)	ENGR
English	ENGL
Finance	FIN
Food Science and Technology	FST
French	FREN
Geography	GEOG
Geology	GEOL
German	GERM
Health and Human Services	HHS
Higher Education	EDHI
History	HIST
Honors College	HNRS
Instructional Technology	EDIT
Intercultural Proficiency	ICP
Italian	ITAL
Japanese	JAPN
Journalism	JOUR
Kinesiology	KIN
Korean	KOR
Latin	LATN
Latin American Studies	LAS
Liberal Studies	LBS
Library Science	LIBR
Management	MGMT
Marketing	MKT
Mass Communication	MSCM
Mathematics	MATH
Mechanical Engineering	ME
Microbiology	MICR
Modern Languages	ML
Multimedia	MM
Music	MUS
Natural and Social Science	NSS
Natural Science	NATS
Nursing	NURS
Nutritional Science	NTRS
Pan-African Studies	PAS
Philosophy	PHIL
Physical Science	PSCI
Physics	PHYS
Political Science	POLS
Portuguese	PORT
Psychology	PSY
Public Health	PH
Religious Studies	RELS
Russian	RUSS
Secondary Education	EDSE
Social Work	SW
Sociology	SOC
Spanish	SPAN
Special Education	EDSP
Teaching English to Speakers of Other Languages	TESL
Technology	TECH

Television, Film and Media Studies	TVF
Thai	THAI
Theatre Arts	TA
Theatre Arts and Dance	TAD
University	UNIV
Urban Analysis	URBA
Urban Learning	ULRN
Vietnamese	VIET
Women's Studies	WOMN
Youth Agency Administration	YAA

## Grading System

### *Undergraduate Grades*

<b>TRADITIONAL</b> A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F.	Letters A, A-, B+, B, B-, C+, C, C-, D+, D, and D- indicate passing grades; F indicates failure.
<b>NONTRADITIONAL</b> CR/NC or A, A-, B+, B, B-, C+, C.	A, A-, B+, B, B-, C+, C, and CR indicate passing grades. CR, indicating passed with credit, is given for work equivalent to C or better for undergraduate students. NC, indicating no credit, is given for work equivalent to C-, D+, D, D- or F for undergraduate students.

### *Graduate and Postbaccalaureate Grades \**

<b>TRADITIONAL</b> A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F.	Letters A, A-, B+, B, B-, C+, and C indicate passing grades; letters C-, D+, D, D-, and F indicate failure.
<b>NONTRADITIONAL</b> CR/NC	CR, indicating passed with credit, is given for work taken by graduate and postbaccalaureate students, including 400-level courses, that is equivalent to B or better. NC, indicating no credit, is given for work equivalent to B-, C+, C, C-, D+, D, D-, or F, for postbaccalaureate and graduate students A course in which a postbaccalaureate or graduate student earns a grade below B- must be repeated; grades from both the original course and the repeated course are used in computing the grade point average.

**Note:**

Effective Fall Quarter 1996, the campus implemented a plus/minus grading policy. Thus, for all continuing students and all students admitted or readmitted to the University, Fall Quarter 1996 or later, plus/minus grades are calculated in both undergraduate and graduate grade point calculations.

\*Graduate students are required to maintain a GPA of 3.0 to remain in good standing. Thus, grades of B- or lower will accrue deficiency points because they are below a 3.0 GPA. Grades of C- and below are failing grades for a graduate student, and no credit is given.

Students who accrue deficiency points with grades of B- and below, including failing grades, will be required to compensate for those deficiencies by attaining grades higher than B in a comparable number of units. Courses with failing grades of C- and below must be repeated for credit; courses with grades of B-, C+, and C receive credit and may not be repeated.

### *Explanation of Undergraduate Course Grades \**

Grade Symbol	Explanation	Grade Points
A	Superior Attainment of Course Objectives	4.0
A-	Outstanding Attainment of Course Objectives	3.7
B+	Very Good Attainment of Course Objectives	3.3
B	Good Attainment of Course Objectives	3.0
B-	Better than Average Attainment of Course Objectives	2.7
C+	Above Average Attainment of Course Objectives	2.3
C	Average Attainment of Course Objectives	2.0
C-	Below Average Attainment of Course Objectives	1.7
D+	Weak Attainment of Course Objectives	1.3

D	Poor Attainment of Course Objectives	1.0
D-	Barely Passing of Course Objectives	0.7
F	Nonattainment of Course Objectives	0.0
CR	Credit	not applicable
NC	No Credit	not applicable
I IC	Incomplete Authorized Incomplete Charged	not applicable
WU	Withdrawal Unauthorized	0
RP	Report in Progress	not applicable
W	Withdrawal	not applicable
RD	Report Delayed	not applicable

**Note: A grade of C- is a failing grade in all General Education Basic Subject courses because a minimum C grade is required in all of these courses.**

**A C- is also a failing grade if a student takes a course CR/NC or A, B, C, NC. In addition, a grade of C- is a failing grade in all courses in majors that require minimum C grades.**

*\*These explanations do not apply to graduate courses. Graduate students are advised to read carefully the previous table (Graduate and Postbaccalaureate Grades).*

### **Definitions of Administrative Grading Symbols**

Marks other than letter grades used to indicate status in courses undertaken have the following meanings:

**CR** is used to denote “**passed with credit**” when no traditional letter grade is given, is assigned to undergraduate grades of C (grade point 2.0 or higher) or better and to graduate grades of B (grade point 3.0 or higher) or better. CR grades are not included in the calculation of the grade point average.

**NC** is used to denote “**no credit**” when no traditional letter grade is given, is assigned to undergraduate grades lower than C (grade point lower than 2.0) and to graduate grades lower than B (grade point lower than 3.0). NC grades are not included in the calculation of the grade point average.

**RP (Report in Progress)** is used for thesis, project, dissertation, and similar approved courses in which assigned work frequently extends beyond one academic term—and may include enrollment in more than one term. The RP indicates that the student’s performance has been evaluated and found to be satisfactory but that further work must be completed before a final grade (or grades) can properly be assigned for any part of the course. Enrollment for more units of credit than the total number of units that can be applied toward the fulfillment of the student’s educational objective is prohibited. The RP symbol shall be replaced with the appropriate final grade within one year of its assignment except for courses associated with the master’s degree thesis (courses numbered 597, 598, 599, and 900) and with the doctoral dissertation (courses numbered 698 and 699) in which case the time limit shall be five years. An RP does not add earned units and does not affect grade point average calculations.

An RP that has not been replaced by a final grade within the prescribed time limit for the course shall be changed to NC. Extensions of time to remove RP grades may be granted by the Curriculum Subcommittee (for undergraduate courses) or the appropriate College Graduate Dean (for graduate courses) for contingencies such as—but not limited to—military service and health problems of an incapacitating nature verified by a physician’s statement.

**W (Withdrawal)** indicates that a student was permitted to drop a course after the “no-record drop” deadline with the approval of the instructor and the department/division/school chair or director. The W carries no connotation of quality of student performance and is not used in calculating grade point averages.

**RD (Report Delayed)** this symbol is used exclusively by the Registrar when a delay in the reporting of a grade is caused by circumstances that are **beyond the student’s control**. The symbol does not imply any academic evaluation. Any “RD” grade must be cleared before the degree can be awarded. Once the degree has been posted, no grade changes can be made to the record.

**I (Incomplete)** is an interim grade designed for students who are passing but who through extenuating circumstances have not been able to complete a portion of the work required for the course. An Incomplete grade shall be assigned at the discretion of the faculty member only when the faculty member concludes that a clearly identifiable portion of course requirements cannot be met within the academic term for unforeseen reasons. An Incomplete shall not be assigned when it is necessary for the student to attend a major portion of the class when it is next offered. An Incomplete is also prohibited where the normal practice requires extension of course requirements beyond the close of the term, e.g., thesis or project type courses. In such cases, the use of the “RP” symbol is required.

A student may not re-enroll in a course for which he or she has received an “I” until that “I” has been converted to a grade other than “I”; e.g., A-F, IC. It is the responsibility of the student to request a grade of Incomplete from the instructor and to determine from the instructor the remaining course requirements that must be satisfied to remove the Incomplete.

The conditions for removal of the Incomplete including due date shall be specified in writing by the instructor and given to the student with a copy placed on file with the appropriate campus officer until the Incomplete is removed or the time limit for removal has passed. This “Incomplete Grade Agreement” must specify the outstanding course requirements and the final grade to be given based on the evaluation of the outstanding work. This

time limitation applies whether or not the student maintains continuous attendance.

An Incomplete grade may be removed by completing the outstanding work by the date specified on the Incomplete Grade Agreement which shall be within one calendar year after the end of the quarter in which the Incomplete grade was assigned. An Incomplete that is made up within the time period allowed will be replaced on the student's permanent academic record by the letter grade earned followed by an indication that the original grade was an Incomplete and the date that the Incomplete was removed.

Where department policy requires assignment of final grades on the basis of multiple demonstrations of competency by the student, it may be appropriate for a faculty member to submit a letter grade to be assigned in the event the Incomplete is not made up within one year. If the Incomplete is not converted to a credit-bearing grade within the prescribed time limit, or any extension thereof, it shall be counted as a failing grade in calculating grade point average and progress points unless the faculty member has assigned another grade in accordance with campus policy. An Incomplete shall be converted to the appropriate grade or symbol within one year following the end of the term during which it was assigned. However an extension of the one-year time limit may be granted by petition for contingencies such as intervening military service or serious health or personal problems. Any petition for extension of time to remove an Incomplete must be filed within one calendar year immediately after the end of the quarter in which it was assigned. A petition must include documentation establishing the reasons the course could not be completed prior to the expiration of the initial one year period. Petitions must be signed by the course instructor with an indication whether the instructor recommends the petition be approved or denied. The final decision regarding extension of Incomplete grades rests with the Deans of Graduate or Undergraduate Studies, as appropriate.

An Incomplete that is not removed within the time period allowed will appear on the student's permanent academic record as an "Incomplete Charged" (see next).

**IC (Incomplete Charged)** indicates that an Incomplete has not been removed within the time period allowed and the grade for that course will appear on the student's permanent academic record as an "Incomplete Charged" and will be counted as an F in grade point average calculations, unless the student was enrolled on a credit/no credit basis, in which case the default grade will be a grade of No Credit (NC). An Incomplete that is not removed before the degree is awarded will be charged as an F in the grade point average calculations. Upon expiration of an Incomplete grade, unless the instructor has submitted a letter grade to be assigned upon expiration of the Incomplete, the student's permanent academic record will be modified to reflect the number of units attempted and zero units earned.

**WU (Unauthorized Withdrawal)** indicates that an enrolled student did not withdraw from the course but failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade point average this symbol is equivalent to an F.

### ***Nontraditional Grading Options***

Undergraduates may choose to receive grades on a nontraditional basis, either *A*, *B*, *C*, *NC*, or *CR/NC*, under specified conditions. Some courses are graded only nontraditionally, as shown in course descriptions. In addition, students in good standing who have completed at least 12 units at Cal State L.A. and students admitted with upper division standing may elect to have some courses graded on either the traditional or the nontraditional basis. *CR* and *NC* grades are not included in grade point average computations.

***CR/NC Option.*** Courses for which a student may not elect to be graded on a *CR/NC* basis are those courses required in the student's major, minor, or credential program and other courses selected to meet general education requirements. A maximum of 45 quarter units may be graded *CR/NC*, whether elected or designated. A maximum of 8 quarter units elected *CR/NC* may be taken in any single quarter.

***A, B, C/NC Option.*** Courses for which a student may not elect to be graded *A*, *B*, *C/NC* are those required in the student's major, minor, or credential program; however, any general education or elective course may be taken with *A*, *B*, *C/NC* grading. A maximum of 45 quarter units within the total degree program may be graded *A*, *B*, *C*, *NC*, whether elected or designated.

Students may elect to register for a course with a nontraditional grading option up to the last date in the quarter to add classes. **The decision to elect an option is irrevocable.** Academic standards are identical for all students who are enrolled in a course, irrespective of the grading option. Instructors are not notified that students have elected nontraditional grading options in their courses; traditional grades are reported and are converted as needed to *CR* or *NC* by the Registrar.

## **Scholastic Status of Undergraduate Students**

### ***Grades Required for Credit***

Students are advised that they receive no credit for any course in which they do not earn a grade of *D-* or higher.

### ***Grade Point Average Requirements***

Undergraduate students are expected to maintain a *C* (2.0) average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives. Students who receive financial aid should inform themselves of additional criteria defining satisfactory progress by consulting the Center for Student Financial Aid.

### ***Grade Point Average***

The grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units attempted. Grade points are assigned for each unit of course work undertaken, as indicated in the Explanation of Undergraduate Course Grades table above. *CR* and *NC* grades are not included in grade point average computations.

## ***Probation for Undergraduate Students***

Probation is determined separately for academic and administrative-academic deficiencies. Students' probation status is indicated on their class grades for the term viewable online in GET under Academic Standing.

### ***Administrative-Academic Probation***

The Office of the Chancellor has made provision whereby students may be placed on administrative-academic probation for any of the following reasons:

- Withdrawal from all or a substantial portion of courses for which they registered in two successive quarters or in any three quarters.
- Repeated failure to progress toward a stated degree or program objective when such failure is within their control.
- Failure to comply, after due notice, with a routine academic requirement or regulation.

Written notice is given of the conditions required for removal from administrative- academic probation, as well as circumstances that would lead to disqualification if probation is not rectified.

### ***Academic Probation***

Students are placed on academic probation at the end of a quarter if either their grade point average at Cal State L.A. or their cumulative grade point average in all college work attempted falls below C (2.0). They are continued on academic probation until their Cal State L.A. and cumulative grade point average is 2.0 or higher or until they are disqualified in accordance with the regulations for academic disqualification.

## ***Disqualification of Undergraduate Students***

Disqualification is determined separately for academic and administrative-academic deficiencies. Students' disqualification status is indicated on their grade report.

### ***Academic Disqualification***

Students already on probation or special probation whose Cal State L.A. or cumulative grade point average reaches the following levels are disqualified:

<b><u>Class Level</u></b>	<b><u>Grade Point Average</u></b>
Freshman (0–44 units completed)	<1.50
Sophomores (45-89 units completed)	<1.70
Juniors (90–134 units completed)	<1.85
Seniors (135+ units completed)	<1.95

### ***Administrative-Academic Disqualification***

The Office of the Chancellor has made provision whereby students placed on administrative-academic probation may be disqualified for any of the following reasons:

- The conditions for removal of administrative-academic probation are not met within the period specified.
- Students become subject to academic probation while on administrative-academic probation.
- Students become subject to a new administrative-academic probation period for the same or similar reasons of a previous probationary period, although not currently in such status.

### ***Notification of Disqualification***

Students' notices of disqualification appear on their unofficial transcript in GET. Students who wish to appeal their disqualification should refer to Immediate Reinstatement below. Disqualified students are required to arrange an exit interview with their academic adviser to establish readmission requirements. Undeclared majors will hold this exit interview with their assigned adviser in the University Academic Advisement Center.

## ***Special Probation***

Continuing student who have been disqualified may petition to remain as matriculated students on special probation. To be eligible for special probation, disqualified students must complete the disqualification interview with their academic advisor and obtain the advisor's approval. The advisor must specify on the special probation petition the terms and conditions under which the student will be eligible to be returned to and to remain in matriculated status, such as courses to be repeated, courses to be completed, GPA requirements, and any required workshops and/or tutoring.

A student's initial petition for special probation must be approved by the appropriate department chair, division chair, school director or the director of the Academic Advisement Center. Subsequent petitions for special probation must be approved as well by the appropriate college or university dean for that student. Students' approved special probation petitions must be received in enrollment services by the deadline specified in the Schedule of Classes.

All disqualified students who are placed on special probation are required to earn **better** than a C (2.0) grade point average each quarter until their

grade point average is increased to a level that is higher than that which would normally cause them to be disqualified according to their class level, at which time they would be switched from special probation to probation.

#### Readmission of Disqualified Students

Students who are not eligible for or are denied special probation may petition for readmission. Readmission after disqualification is not automatic. Disqualified students will not be considered for readmission until at least two quarters have elapsed. Students will be eligible for readmission when they have satisfied the terms and conditions established during the disqualification interview as documented in the student's file by the academic advisor, provided that they meet or exceed the following minimum Cal State L.A. and cumulative grade point averages for their class level when they apply:

<u>Class Level</u>	<u>Grade Point Average</u>
--------------------	----------------------------

Freshmen (0-44 units completed)	1.50
Sophomores (45-89 units completed)	1.70
Juniors (90-134 units completed)	1.85
Seniors (135+ units completed)	1.95

Units earned elsewhere while under disqualification can be used to raise the cumulative grade point average above the minimum required for admission. However, any deficiency in the Cal State L.A. grade point average may only be corrected by completing Cal State L.A. courses through Open University or special sessions offered by Extended Education. Students who have not previously been placed on special probation and whose grade point averages do not meet these minimum criteria may be considered for readmission with special probation with the approval of their college dean.

Students who wish to request readmission must provide evidence to their advisor that they have met the terms and conditions specified in their disqualification interview, including official transcripts of all transfer work attempted since disqualification. Advisors who support the request for readmission must specify on the petition for readmission a plan for attaining good academic standing. Students requesting readmission must obtain approval for readmission from the department, division, or school and the college from which they were disqualified. The University Academic Advisement Center and the Office of Undergraduate Studies will rule on petitions for readmission of disqualified students with undeclared majors.

***Disqualified students must file their application for readmission to the University before the appropriate admissions deadline.***

Students who are enrolled but not officially reinstated for the quarter after disqualification should file a request for complete withdrawal and full refund of fees by the end of the third week of the quarter. Official withdrawal and refund application forms are available at Administration 146. Complete withdrawal may also be accomplished by writing to the Registrar's Office. Registration will be cancelled for disqualified students who are enrolled and do not file a withdrawal request; fees are not returned in these cases.

#### ***Disenrollment for Failure to Complete Required Subcollegiate Courses***

Executive Order 665 requires that all first-time entering students in the California State University system who are not exempt from the English Placement Test (EPT) and the Entry Level Math (ELM) exam take these exams before enrolling in any courses and, if remediation is required, enroll in appropriate English and/or math course(s) in their first quarter of attendance. The policy stipulates that students must continue to enroll in appropriate level course(s) each quarter until they are eligible for college level English and/or math. Students have three consecutive academic quarters, starting with their first quarter at Cal State L.A., to complete these requirements. In addition, campus policy requires that students move directly into their college level English and/or math course(s) the first quarter they enroll after completing the remedial course(s) in that field.

## **Scholastic Status of Graduate and Postbaccalaureate Students**

### ***Grades Required for Credit***

Graduate students are advised that they receive no credit for any course in which they do not earn a grade of C or higher. Grades of C- and below are considered failing grades in all graduate programs.

### ***Grade Point Requirements***

Graduate students are expected to maintain a B (3.0) average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives. Students who receive financial aid should inform themselves of additional criteria defining satisfactory progress by consulting the Center for Student Financial Aid.

Postbaccalaureate students are expected to maintain a 2.5 average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives.

### ***Grade Point Average***

The grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units taken for GPA. Grade points are assigned for each unit of course work undertaken, as indicated in the Explanation of Grades table below.

Thus, students who earn a grade of C in a 4-unit course have 4 grade points fewer than the number they would have earned with a grade of B and are, therefore, deficient 4 grade points from a B average (-4 grade points). Students who earn an A grade in a 4-unit course have four grade points more than they would have earned with a B grade (+4 grade points). The overall grade point deficiency or surplus can be computed by assigning the number of plus or minus grade points for each unit attempted and adding algebraically. CR and NC grades are not included in grade point average computations.

Grade Symbol	Explanation	Grade Points Earned
A	Superior	4.0 per unit value of course
A-	Very Good	3.7 per unit value of course
B+	Better Than Average	3.3 per unit value of course
B	Satisfactory/Average	3.0 per unit value of course
B-	Unsatisfactory	2.7 per unit value of course
C+	Unsatisfactory	2.3 per unit value of course
C	Unsatisfactory	2.0 per unit value of course
C-	Failing	1.7 per unit value of course
D+	Failing	1.3 per unit value of course
D	Failing	1.0 per unit value of course
D-	Failing	0.7 per unit value of course
F	Failing	0.0 per unit value of course

### ***Academic Probation for Postbaccalaureate and Graduate Students***

Postbaccalaureate and graduate students are subject to academic probation if their grade point average falls below the levels specified below either in course work on their master's degree program or in all units completed after becoming classified, whether or not the course work is taken at Cal State L.A.

- Classified and conditionally classified graduate students are expected to maintain a b (3.0) grade point average in course work on their master's degree program and in all courses completed after admission to the program.
- Postbaccalaureate classified and postbaccalaureate unclassified students are expected to maintain a 2.5 grade point average in all course work taken after admission to Cal State L.A., whether or not the course work is taken at Cal State L.A.

### **Administrative-Academic Probation.**

The Office of the Chancellor has made provision whereby students may be placed on administrative-academic probation for any of the following reasons:

- Withdrawal from all or a substantial portion of courses for which they registered in two successive quarters or in any three quarters.
- Repeated failure to progress toward a stated degree or program objective when such failure is within their control.
- Failure to comply, after due notice, with a routine academic requirement or regulation.

Notice is given in writing of the conditions for removal from administrative-academic probation, as well as circumstances that would lead to disqualification should probation conditions not be rectified.

### **Disqualification Regulations for Postbaccalaureate and Graduate Students**

Postbaccalaureate and graduate students who are on academic probation and who do not meet the requirements of their probation are subject to disqualification in accordance with the following guidelines:

- Classified and conditionally classified graduate students who are on academic probation are subject to disqualification from pursuing the master's degree program in which they were classified if after being placed on scholastic probation they do not raise their average to B (3.0) after completion of 16 units or two quarters in residence, whichever comes later.
- Classified and conditionally classified graduate students whose grade point average falls more than nine grade points below B (3.0) will be disqualified from pursuing the master's degree program in which they were classified.
- Students who are disqualified from a master's degree program may not reenter that program. They may be admitted to another program only on the recommendation of the new major department/division concerned and with the approval of the appropriate college graduate dean.
- Postbaccalaureate classified and postbaccalaureate unclassified students who are on academic probation are subject to disqualification from pursuing course work at Cal State L.A. IF they do not raise their average to 2.5 after completion of 16 units or two quarters in residence, whichever comes later.
- All units earned in the quarter in which the sixteenth unit is completed will be used in computing the grade point average.
- Students disqualified for scholarship deficiency may not enroll in any regular quarter at Cal State L.A. without permission from the appropriate college graduate dean and may be denied admission to other educational programs operated or sponsored by the campus.
- Students who are enrolled in graduate degree programs, credential programs, and postbaccalaureate credit certificate programs are not eligible for Academic Renewal.
- Postbaccalaureate students who are pursuing a second or subsequent baccalaureate are subject to the same probation and disqualification standards as seniors. These are outlined in the Procedures and Regulations section near the front of this catalog.



The Office of the Chancellor has made provision whereby postbaccalaureate and graduate students who are on academic-administrative probation may be disqualified for any of the following reasons:

- The conditions for removal of administrative-academic probation are not met within the period specified.
- Students become subject to academic probation while on administrative-academic probation.
- Students become subject to a new administrative-academic probation period for the same or similar reasons of a previous probationary period, although not currently in such status.

## Student Conduct: Rights and Responsibilities

### *Standards for Student Conduct*

The University is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community should choose behaviors that contribute toward this end. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and to contribute positively to student and university life.

Student behavior that is not consistent with the Student Conduct Code (Subsection 41301 of Title 5, *California Code of Regulations*) is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences. Reports of student misconduct should be directed to the Judicial Affairs Officer in the Student Affairs Building, Room 117. Please refer to Appendix E in the University Catalog for a detailed list of the grounds upon which student discipline can be based. Copies of the Student Conduct Code (aka Standards for Student Conduct) and the Student Conduct Procedures (CSU Executive Order 1043), which govern enforcement of these regulations, are also available in the Student Affairs Building, Room 117 or online at <http://www.calstatela.edu/univ/stuaffrs/jao/>

### *Academic Honesty*

The University in its quest for truth and knowledge embraces honesty and integrity. These fundamental values must not be compromised. The trust and respect among professors, students and the society need to be vigilantly protected. Cheating and plagiarism can be neither justified nor condoned as this would destroy the ideals and purposes of higher education. Students enter the University to gain the knowledge and tools necessary for participation in society. Academic integrity is one foundation for a society based on trust and honesty. Therefore, the University takes seriously its responsibility for academic honesty.

The following are included as violations of the Academic Honesty Policy (See Appendix D in the University Catalog):

- **Cheating**-the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means.
- **Plagiarism**-the act of using ideas, words, or work of another person or persons as if they were one's own, without giving proper credit to the original sources.
- **Misrepresentation**-Knowingly furnishing false academic information to a University official, faculty member, or campus office.
- **Collusion**-Any student who intentionally helps another student perform any of the above acts of cheating, plagiarism or misrepresentation.

### **Academic Consequences:**

Faculty have the right to establish the standards by which the academic performance of students will be evaluated, including the consequences of students not meeting some portion or all of the academic requirements of a course through acts of cheating, plagiarism, misrepresentation or collusion. These consequences may include but are not limited to assigning a lowered grade, zero or "F" on an individual assignment, or lowering the student's grade or assigning an "F" in the course. Faculty may alternatively permit the student to repeat an assignment/test or complete and submit additional assignments.

### **Administrative Sanctions:**

Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage also violate the Student Conduct Code (Subsection 41301 of *Title 5, California Code of Regulations*). To that end, violations of the Academic Honesty Policy should also be reported to the Judicial Affairs Officer. The University can impose administrative sanctions in addition to academic consequences. As stipulated in Executive Order 1043, Student Conduct Procedures, among other places, cheating, plagiarism, misrepresentation or collusion, in connection with an academic program or campus may warrant, but is not necessarily limited to Disciplinary Probation, Suspension or Expulsion. Repeat offenders will receive particular consideration for administrative sanctions. Please note that a record of all disciplinary charges, including cheating and plagiarism, will be maintained in the Judicial Affairs Office for a minimum of five years. Disciplinary files are separate from academic files and subject to disclosure to third parties by prior written consent of the student, or a court ordered subpoena.

### **Reporting Procedures:**

When satisfied that a reasonable evidentiary standard has been met and as soon as possible after discovering the alleged violation, the faculty member should arrange an office conference in order to inform the student of the allegations and the intended academic consequences of the violations. At the conference, the student should be informed of the supporting evidence, the intended consequences and the Academic Honesty Policy.

In the event that the student disputes the findings of academic dishonesty, he or she shall be given the opportunity to respond (orally or in writing). The

faculty member must consider any information or evidence that the student presents during or after the conference, and determine whether or not such information or evidence mitigates or refutes the charge of academic dishonesty. In every case, the student shall have 10 days beyond the date of the conference to respond to the allegations, before a report is made to the University Judicial Affairs Office (as outlined in section III-3 of the Academic Honesty Policy).

#### **Appeal Procedures:**

At the conference, the student should also be informed of the University's Grade Appeals/Academic Grievance Policy. Under that policy, the student may appeal the determination that he or she has committed academic dishonesty, the academic consequences stemming from such a determination or the administrative sanctions.

Please refer to the Academic Honesty Policy and the Grade Appeals/Academic Grievance Policy for complete procedures and details. Copies of these policies are available in the Student Affairs Building, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Grade Appeals/Academic Grievances**

Students wishing to appeal a course grade or other academic decision should refer to the Grade Appeals/Academic Grievance Policy. The purpose of this policy is to establish fair and equitable means by which matriculated students may appeal assigned course grades and other academic decisions. Non-Academic grievances filed by matriculated students should follow the procedures outlined in the Student Grievance Procedures.

Please refer to the Grade Appeals/Academic Grievances Policy for complete procedures and details. Copies of this policy are available in Student Affairs, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Non-Academic Student Grievances**

A grievance is a formal complaint by a student arising from an alleged unauthorized or unjustified act or decision by a member of the faculty, staff, and/or management employee which adversely affects the status, rights, or privileges of a student. Student Grievance Procedures have been established to provide safeguards that protect the rights of all concerned parties and insure that grievances are handled fairly. These procedures are one channel for solving problems; however, they should not take the place of negotiating in good faith or open, honest communication.

To that end, students are expected to attempt to resolve the dispute informally before filing a formal grievance. The procedures and timelines for informal resolution are outlined in the Student Grievance Procedures. In the event that they are not able to resolve the matter informally, students may file a formal grievance to be considered by the University Student Grievance Committee (USGC). The formal grievance should be submitted to the Judicial Affairs Officer, located in the Student Affairs Building, Room 117.

Please refer to Appendix I in the University Catalog for a copy of the official Student Grievance Procedures. Copies of this policy are also available in Student Affairs, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Student Rights and Responsibilities**

The Statement of Student Rights and Responsibilities enumerates the rights guaranteed to, and the responsibilities of, all Cal State L.A. students. These include, but are not limited to Academic Advisement, Freedom of Expression, Academic Evaluation, Instructional Practice, Writing and Plagiarism, Access to Official Records and Information, Freedom of Information, Freedom of Access to Higher Education and Freedom of Association. Please refer to Appendix J in the University Catalog for a copy of the official Statement of Student Rights and Responsibilities. Copies of this document are also available in the Student Affairs Building, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### ***Policy on the Prohibition of Sexual Harassment***

California State University, Los Angeles, will take action to prevent and eliminate sexual harassment, as mandated by Chancellor's Executive Order No. 927.

Sexual harassment is conduct subject to disciplinary action, including termination. Sexual harassment\* includes but is not limited to:

- Unwanted sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature.
- Any act that contributes to a workplace or learning environment that is hostile, intimidating, offensive, or adverse to persons because of the sexual nature of the conduct.
- Conditioning an act, decision, evaluation, or recommendation on the submission to or tolerance of any act of a sexual nature.

Although this policy focuses on the treatment of persons lacking or holding lesser authority by persons possessing greater authority, it does not preclude the possibility that sexual harassment may also be perpetrated by persons lacking or holding lesser authority, e.g., employees, students, or applicants. In determining whether conduct constitutes sexual harassment, the circumstances surrounding the conduct are considered.

The prohibition against sexual harassment applies to all transactions of University business, whether on or off campus.

Individuals with supervisory authority are responsible for reporting a formal complaint about sexual harassment to the Office for Equity and Diversity. Failure to do so may lead to appropriate administrative action.

Specific rules and procedures for reporting charges of sexual harassment and for pursuing available remedies are available in the following locations: Office for Human Resources Management, Office for Equity and Diversity; Office of the Vice President for Student Affairs; University Counseling Center; and Women's Resource Center.

For questions about sexual harassment, please contact the Office for Equity and Diversity, Administration 606, (323) 343- 3040.

*\*The parameters of "sexual harassment" are legally defined by State and Federal statutes and Court decisions. While the policy set forth above describes actions, which fall generally within the scope of "sexual harassment," all CSU employees and students are required to conduct themselves in a manner that avoids sexual harassment as defined by State and Federal law.*

### **SEXUAL HARASSMENT COMPLAINT:**

If you feel you have experienced sexual harassment, please make your concern known. You may file a complaint with the Office for Equity and Diversity located in Administration 606 or contact the Office at (323) 343-3040. All complaints of alleged sexual harassment are investigated according to guidelines established in Executive Order 1045, see Appendix L – CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### ***Campus Nonviolence Policy***

California State University, Los Angeles is committed to creating and maintaining a working, learning, and social environment for all members of the University community that is free from violence.

Civility, understanding, and mutual respect toward all members of the University community are intrinsic to excellence in teaching and learning, to the existence of a safe and healthful workplace, and to maintenance of a campus culture and environment that serves the needs of its many constituencies. Threats of violence or acts of violence not only impact the individuals concerned, but also the mission of the University to foster higher education through open dialogue and the free exchange of ideas. The University prohibits and will take decisive action to eliminate verbal harassment, violent acts, threats of violence, or any other behavior that by intent, action, or outcome harms another person. Such conduct is subject to disciplinary action up to and including dismissal from employment, expulsion from the University, or civil or criminal prosecution as appropriate.

The University has no tolerance for violence against and by members of the University community. To fulfill this policy, the University will work to prevent violence from occurring and will ensure that federal and state laws, as well as University regulations prohibiting violence, are fully enforced. In determining whether conduct constitutes a credible threat or act of violence, the circumstances surrounding the conduct will be considered.

Established University faculty, staff, and student and Department of Public Safety procedures will serve as mechanisms for resolving situations of violence or threats of violence. Each allegation of violence or threat of violence will be taken seriously. Individuals are encouraged to report acts of violence, threats of violence, or any other behavior that by intent, act or outcome harms another person.

*Approved by the Cal State L.A. Academic Senate and President James M. Rosser - Summer 1996*

### ***Compliance with Americans with Disabilities Act (ADA)***

California State University, Los Angeles, does not permit discrimination on the basis of disability in admission to, access to, or operation of its instruction, programs, services, or activities, or in its hiring and employment practices. Also, the University does not permit harassment based on a protected disability. In addition, the University does not permit discrimination or harassment based on an applicant's, employee's, or student's relationship with or association with anyone with a known protected disability.

Upon request, the University will consider reasonable accommodation(s) when needed to facilitate the participation of persons with protected disabilities. Reasonable accommodations will be considered to permit individuals with protected disabilities to: (a) complete the admission/ employment process; (b) perform essential job functions; (c) participate in instruction, programs, services or activities; and, (d) enjoy other benefits and privileges of similarly-situated individuals without disabilities.

Questions, concerns, complaints and requests for reasonable accommodation or additional information may be forwarded to the Office for Equity and Diversity, the campus office assigned responsibility for compliance with the ADA. The Office for Equity and Diversity is located in Administration 606 and is open Monday through Friday, 8:00 a.m. to 5:00 p.m., (323) 343-3040, or TDD: (323) 343-3670.

Familiarity with the institution's rules and regulations published in this catalog shall be the responsibility of each student and faculty member, and of those administrators concerned with academic matters.

### ***ADA Complaint***

If you feel you have experienced discrimination or harassment due to your protected disability in connection with your association with the University, please make your concerns known. You may file a complaint with the Office for Equity and Diversity, located in Administration 606. All complaints of discrimination based on a student's disability status, including denial of reasonable accommodation are investigated under the guidelines of Executive Order 1045, see Appendix L – CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be treated carefully, and investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### ***Nondiscrimination Statement***

California State University, Los Angeles, affirms its commitment to equality of opportunity for all individuals. This commitment requires that no discrimination shall occur in any program or activity of the University on the basis of race, color, religious creed, national origin, sex, ancestry, physical disability (including HIV and AIDS), mental disability, medical condition, pregnancy, age (over 40), marital status; political affiliation, sexual orientation, disabled veteran's status, recently separated veteran, armed forces services medal veteran and other protected veteran, or any other classification that precludes a person from consideration as an individual. Further, the University's commitment requires that no retaliation shall occur because an

individual filed a complaint of discrimination or in some other way opposed discriminatory practices, or participated in an investigation related to such a complaint. This policy is in accord with Title VII of the Civil Rights Act of 1964, as amended, Title IX of the Educational Amendments of 1972, as amended, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veterans' Readjustment Act of 1974, and related administrative regulations and executive orders. Inquiries concerning the application of Title IX, Sections 503 and 504, and other nondiscrimination laws may be referred to the Office for Equity and Diversity (Telephone: [323] 343-3040), the campus office assigned the administrative responsibility of reviewing such matters. Title IX inquiries may also be directed to the Regional Director of the Office for Civil Rights, Region IX, Old Federal Building, 50 United Nations Plaza, Room 239, San Francisco, CA 94102.

### ***Discrimination Complaint***

If you feel you have experienced discrimination or harassment due to race, color, religion, national origin, sex, sexual orientation, gender identification, marital status, pregnancy, age, disability, or veteran status in connection with your association with the University, please make your concerns known. You may file a complaint with the Office for Equity and Diversity, located in Administration 606. All complaints of discrimination, harassment and retaliation are investigated under the guidelines of Executive Order 1045, see Appendix L – CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be treated carefully and be investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### ***Consensual Sexual Relations between Faculty and Students\****

(Senate: 7/29/97; President: 12/4/97)

“Sexual relations between students and faculty members with whom they also have an academic or evaluative relationship are fraught with the potential for exploitation. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in an academic or evaluative role, make voluntary consent by the student suspect. Even when both parties initially have consented, the development of a sexual relationship renders both the faculty member and the institution vulnerable to possible later allegations of sexual harassment in light of the significant power differential that exists between faculty members and students.”

“In their relationships with students, members of the faculty are expected to be aware of their professional responsibilities and avoid apparent or actual conflict of interest, favoritism, or bias.”

It is unprofessional conduct for a faculty member to engage in any sexual relationship with a student while he or she is enrolled in that faculty member's class, or if a faculty member is acting in any other capacity that may directly affect the student's academic career.

Failure to follow these standards will be grounds for investigation for disciplinary action.

*\*the language in quotation marks is the statement that was adopted by the 81st annual meeting of A.A.U.P.*

### ***Student Use of Human Subjects or Animals***

Students, like all others in the University community, must follow established University and federal guidelines when using human subjects or animals either in research or as part of a course activity. Prior approval by either the Institutional Review Board for research involving human subjects or the Institutional Animal Care and Use Committee for research involving animals must be obtained. The committees meet at regularly scheduled times and it is crucial to give notice of the impending research or course use as far in advance as possible.

For further information, please contact the Office of Research and Development (323) 343-3978 or visit its Website at [www.calstatela.edu/academic/aa/orad/](http://www.calstatela.edu/academic/aa/orad/).

### ***Immigration Requirements for Licensure***

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (P.L. 104-193), also known as the Welfare Reform Act, includes provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the new Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information concerning the regulation is available from the International Office (323) 343-3170.

## Undergraduate Studies: General Information

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# Bachelor's Degree



## Introductory Comments

California State University, Los Angeles offers the Bachelor of Arts, Bachelor of Music, and Bachelor of Science. The specific bachelor's degrees and academic majors are listed below. Minors and certificate programs are also available in many fields, and are also listed below. Full descriptions of each of these programs, including specific information about admission requirements, curriculum, courses of instruction, and graduation requirements is presented in the Academic Programs section. Within each chapter, the administrative units offering the academic programs are listed in alphabetical order. There is a **Directory of Academic Programs** at the beginning of the **Directories** chapter, near the front of this catalog. Characteristics of the different Bachelor's degrees and the general degree requirements for all Bachelor's Degrees at Cal State L.A. are described after the listings immediately below.

In addition, the basic information about undergraduate preparation for California teaching credentials is presented later in this chapter. The undergraduate and postbaccalaureate subject matter portions of each of the teaching credential programs are fully described in the appropriate academic department, division or interdisciplinary programs section of that **Academic Programs** section. All of the basic credential programs, the specialist and administrative credential requirements, and the Postbaccalaureate programs of study which prepare students for these credentials are all described in the **Charter College of Education** portion of the Academic Programs section, with further details available within the Divisional portions of the Academic Programs section chapter.

Students are expected to familiarize themselves with all degree requirements and to consult an academic adviser on a regular basis.

## Bachelor's Degree Requirements

### *Degree Characteristics*

**The Bachelor of Arts (B.A.)** degree is designed to provide a balanced liberal arts education and general knowledge in a recognized discipline, interdisciplinary field, or areas of professional study.

**The Bachelor of Science (B.S.)** degree is designed to provide a balanced liberal arts education and a scientific, technical, or professional entry level of competence.

**The Bachelor of Music (B.M.)** degree provides a balanced liberal arts education with additional preparation in musical performance with emphasis on high performance standards.

**The Bachelor of Vocational Education (B.V.E.)** degree, created through state legislation, is designed specifically for vocational/occupational teachers who are required to have both work and teaching experience.

### *Degree Requirements*

The Bachelor of Arts degree requires the satisfactory completion of 180-186 quarter units. The Bachelor of Science degree unit requires 180 to 204 units, and the Bachelor of Music degree requires 189 quarter units.. Included in the total unit requirement for each of these degrees is a minimum of 72 units of general education courses, including the units necessary to complete mandatory requirements for the U.S. Constitution and American History, 12 units in an upper division theme, 12 units in upper division General Education residence at Cal State L.A., 4 units of English 102, and 2-4 units of Introduction to Higher Education. For each degree a minimum of 60 quarter units must carry upper division credit (courses numbered 300-499). Courses numbered above 499 are intended for graduate students only and are not applicable toward bachelor's degrees.

### *Catalog Requirements Under Which an Undergraduate Student Graduates*

Unless exception is requested under one of the provisions below, students enrolling at Cal State L.A. for the first time must meet degree requirements specified in the catalog in effect at the time of entrance. The catalog date is specified on each student's credit summary and on the unofficial transcript available on GET.

Baccalaureate students who remain in attendance in regular sessions at any California State University campus, any California community college, or any combination of California community colleges and CSU campuses and thereafter at Cal State L.A. may elect to meet Cal State L.A. graduation requirements in effect at the time they began such attendance, at the time they entered Cal State L.A., or at the time of graduation from Cal State L.A. In this context, attendance means attendance in at least one semester or one quarter each calendar year, excluding summer session, extension, and

concurrent enrollment in Cal State L.A. courses. Absence due to an approved educational leave or for attendance at another accredited institution of higher learning shall not be considered an interruption in attendance if the interruption does not exceed two years. Disqualified students retain their existing catalog privileges under the conditions outlined above.

All other transfer students and students who have not remained in attendance as described above will be held to Cal State L.A. graduation requirements in effect at the beginning of their most recent period of attendance at Cal State L.A. or, alternatively, at the time of graduation. Students who change to a new degree and/or major objective must meet requirements for the new degree and/or major in the catalog in effect at the time of change. If courses described under earlier requirements are no longer available, the major department or division may authorize or require appropriate substitutes.

General Education is an integral component of the requirements for the bachelor's degree. Students who remain in attendance as defined above normally will meet General Education requirements listed in the catalog in effect at time of entrance. However, they may elect to meet General Education requirements in the catalog in effect either at the time of entrance or graduation, and need not meet major requirements from the same catalog. If courses described under earlier requirements are no longer available, appropriate substitutes must be selected from the current list of courses approved for the area involved.

### ***Time Limits on Major Requirements for Bachelor's Degrees***

A department, division or school may specify that no subject, unit, or grade credit be granted for specific upper division courses offered by that department, division or school to students who completed such courses more than ten years before the date of their bachelor's degree. Courses with time limits are designated in the course descriptions in this catalog and on the major program advisement sheets submitted by each student's major department, division or school to the Graduation Office. When a Cal State L.A. course is so designated, the restriction also applies to equivalent courses transferred from other institutions. Students may petition for and, in extraordinary circumstances, the major departments, divisions, and schools may grant permission to validate by examination such an expired course with the concurrence of the department, division or school that offers the course or its equivalent. For all requirements, election of any catalog will not extend beyond ten years after its designated academic year.

### ***Residence Requirement***

Undergraduate students must complete a minimum of 45 quarter units, including at least 36 upper division units, 18 units in the major, and 12 units in general education courses, in residence at Cal State L.A. for the baccalaureate. Credit earned in special sessions may be applied toward this residence requirement. However, only 36 residence units may be earned through Open University. Credit earned in extension courses or by examination may not apply toward the residence requirement.

### ***Scholarship Requirements***

In addition to meeting total unit requirements for graduation, students must also satisfy specific scholarship requirements. These include achievement of a minimum 2.0 grade point average (C on a scale in which A=4.0) in all units attempted, including those accepted by transfer from another institution, all courses required for the major, all courses used to meet General Education requirements, and all units attempted at Cal State L.A.

### ***Introduction to Higher Education Course Requirement***

**NOTE: This requirement must be completed no later than the second quarter of attendance at Cal State L.A.** All undergraduate students who do not have a bachelor's degree and enter Cal State L.A. Fall 1997 or later, and who are subject to the 1997 and later GE requirements, are required to complete an introduction to higher education course. Freshmen meet this requirement by enrolling in a 100-level course offered by the college that offers the student's major. Undergraduate transfer students who entered Cal State L.A. Fall, 1999 or later and who are subject to the 1997 and later GE requirements are required to complete a Transition to Cal State L.A. course (300 level) offered by the college that offers the student's major. These courses, which must be completed no later than the second quarter of residence at Cal State L.A., introduce students to the following aspects of the University: History, structure, policies and procedures, faculty expectations, resources and skills necessary for success, and content specific to disciplines in the college that offers the student's major. Special sections of the 100-level course, UNIV 101, are offered for undeclared students. Students should consult their academic advisers before enrolling in the courses.

### ***Graduation Requirement in Writing Proficiency***

All students must demonstrate competency in writing skills as a requirement for graduation. Information on currently available ways to meet this graduation requirement may be obtained from the University Writing Center, located in the Library, Rm. 2097, (323) 343-5350.

### ***Lower Division Writing Requirement***

The English Placement Test (EPT), described in the Admissions section of this catalog, must be taken before enrolling in any courses at Cal State L.A. The EPT is prerequisite to all lower division English writing courses.

All baccalaureate students who enter Cal State L.A. Summer 1993 or later, and who are subject to requirements of the 1993-95 or later general education catalog, are required to take two quarters of English composition (ENGL 101 and 102), which must be taken in sequence. Students entering Cal State L.A. as freshmen must complete these courses before they reach upper division standing (90 quarter units). Transfer students entering above the freshman level who are required to take one or both of these composition courses must do so before they complete 45 quarter units at Cal State L.A. Only the first of the two courses (ENGL 101) is applied to General Education. The second course (ENGL 102) is prerequisite to UNIV 400 (WPE).

## Upper Division Writing Requirements WPE/GWAR

All Cal State L.A. students who entered Summer 1984 or later and are pursuing a degree or credential must satisfy the Graduation Writing Assessment Requirement (GWAR) by passing the Writing Proficiency Examination (WPE). Students must first pass ENGL 101 and 102 (or their equivalents) with a minimum grade of C prior to taking the WPE. The WPE must be taken and passed prior to completion of 135 quarter units eligible for degree completion. Transfer students who have completed 135 or more degree eligible units upon entrance must pass the WPE during their first quarter of residence at Cal State L.A. Students who have satisfied the upper division writing proficiency requirement at another CSU campus shall be considered to have met the Cal State L.A. requirement.

Students who fail to take and pass the WPE within the required time limit of 135 units will have a hold placed on their records, which will preclude them from enrolling in any courses and will be placed on administrative probation. These students will be required to take ENGL 102, UNIV 400 or UNIV 401 in their next quarter and to complete the GWAR at the earliest possible date. Students who receive a No Credit (NC) grade on the WPE must meet with a WPE consultant in the University Writing Center to discuss deficiencies identified by the exam and receive recommendations of activities to correct these deficiencies. Based on the recommendations from the WPE consultant, students who have completed less than 135 units of degree eligible coursework may re-take the WPE or enroll in UNIV 401, the upper division writing proficiency course, while students who have completed 135 units or more of degree eligible coursework must enroll in UNIV 401, Writing Proficiency.

To take the WPE, students must register for UNIV 400 by the add deadline of each quarter. Additional information about the WPE is available in the Schedule of Classes and at the University Testing Center.

The postbaccalaureate writing skills requirement—for students pursuing graduate degrees and credentials—is described in the **Graduate and Postbaccalaureate Study: General Information** chapter.

## Summary of Bachelor's Degree Requirements

Total units required for degrees:	
Bachelor of Arts (B.A.)	180–186 units
Bachelor of Music (B.M.)	189 units
Bachelor of Science (B.S.)	180–204 units (depending on major)

NOTE: Students receive no credit toward degree for any course in which they do not earn a passing grade.

### Writing skills requirements (for all Bachelor's Degrees):

- a minimum grade of "C" in ENGL 101 and 102, and a
- a passing score on the Writing Proficiency Examination (WPE) OR a minimum grade of "C" in UNIV 401, and
- a minimum grade of "C" in an upper division writing course designated by the major.

### Grade point average:

#### Minimum C (2.0) average in:

- all college work attempted
- all courses attempted at Cal State L.A.
- all general education courses
- all courses required for major

### Required Distribution of Units

#### (for all Bachelor's Degrees):

#### General education:

72 units, including:

- 12 in residence
- 12 in an upper division theme

#### Major subject area:

Varies by major. Some majors require a minimum grade in each course that is used to fulfill major requirements. Students should



consult with their major department for major specific requirements.
<u>Upper division units</u> 60 units minimum
<u>In residence</u> 45 units at Cal State L.A. including: <ul style="list-style-type: none"> <li>• 36 upper division units</li> <li>• 18 units in a major</li> <li>• 12 units in general education</li> </ul>
<u>Introduction to Higher Education course</u> One course
One course (ENGL 102) in written communication <u>beyond the General Education Requirement</u> 4 units

## Other Bachelor Degree Regulations

### *Preliminary Evaluation of College Work Completed Elsewhere*

College work completed elsewhere is evaluated in terms of its relevance to Cal State L.A. course offerings and degree requirements. Preliminary evaluation information is sent to all new transfer and readmitted students at the time of notification of eligibility for admission to the University. A complete evaluation of transfer work is available on GET for all new transfer and readmitted students during their first quarter of attendance. The evaluation identifies general education and graduation requirements met by transfer courses and transfer unit credit accepted. For readmitted students, it also identifies general education and graduation requirements met by Cal State L.A. courses. Students should review their evaluation carefully, consult their academic department promptly if they do not agree with or fully understand all information on the evaluation. Determination of the catalog governing graduation requirements is explained below.

### *Special Major for the Bachelor's Degree*

The Bachelor of Arts or Bachelor of Science degree with a Special Major allows selected students an opportunity to pursue individualized programs of study if their academic and professional goals cannot be met through existing degree programs, or combinations of programs (i.e., majors, minors, etc.), at Cal State L.A. or other CSU campuses. The Special Major consists of a program of study in two or more disciplines developed in consultation with faculty members from the respective departments. See the University Programs section of the Academic Programs section for details about these degree programs.

### *Multiple Majors and/or Degrees*

Students may earn the same or different baccalaureate degree(s), e.g. a B.A. with multiple majors, or B.A. and B.S. degrees, if the requirements for each of the multiple majors leading to the degree(s) are completed in the same quarter. Students may also earn a baccalaureate and graduate degree, e.g. B.A. and M.S. degrees, or B.S. and M.A. degrees, if the requirements for each of the multiple degrees are completed in the same quarter.

Students who wish to have multiple majors and/or degrees listed on their diploma and transcript must:

- Fulfill department/division/school requirements in the multiple majors and/or degrees;
- File a request endorsed by the multiple departments, divisions, and/or schools; and
- Be approved and recommended for graduation by the faculty of each major department, division or school granting the majors and/or degree(s)

### *Second Baccalaureate*

Students seeking a second baccalaureate from Cal State L.A. may qualify for graduation with the approval and recommendation of the faculty upon completion of the following:

1. Residence and scholarship requirements then in effect;
2. A major program as specified by the major department;
3. Completion of a minimum of 45 quarter units in residence beyond the requirements of the first degree. The 45 quarter units in residence must include at least 36 units in upper division courses, at least 18 units in the second academic major and 12 units in general education if applicable.

In accordance with the revisions to Title V approved in 2011, a student who has previously earned a baccalaureate or higher degree from an institution accredited by a regional accrediting association or has completed equivalent academic preparation, as determined by the appropriate campus authority,

shall not be required to undertake courses, including General Education, other than those that are specifically required to complete the current major within the degree program.

Post-baccalaureate students who are not deemed to have met General Education requirements upon matriculation must complete the following G.E. requirements if they were not completed as part of the first degree:

- A. Sixteen units in each of the three areas: natural sciences and mathematics, humanities, and social sciences, for a total of 48 units. Of these 48 units, students must complete 4 upper division units in each of the three areas, a requirement which can be met by the upper division General Education themes. Transfer courses will be evaluated as to meeting the GE Blocks as a whole and course by course comparability is not required.
- B. Statutory requirements: U.S. History, U. S. Constitution, and California state and local government.
- C. Diversity requirement: two G.E. courses designated as "diversity" courses.
- D. Any University requirements not previously satisfied: ENGL 102, WPE.

Units included in a second baccalaureate program may not be applied to a graduate degree. Candidates for second baccalaureates are eligible for the Dean's List and other academic honors based on the same criteria as candidates for first degrees. A second baccalaureate candidate may graduate with honors according to the same criteria as candidates for first degrees, with the grade point average computed on all units attempted in residence at Cal State L.A.

## ***Minors***

Although a minor is not required for a baccalaureate, minors are available in many fields for the purpose of strengthening students' preparation in areas related to the major field or to career choices. A minor may not be taken in the same subject as the major.

A minor consists of a formal aggregate of courses totaling 18 or more quarter units, of which at least 12 units must be upper division and taken in residence at Cal State L.A. A minimum C (2.0) grade point average is required on all course work taken to complete the minor program. The minor will be noted on the student's transcript if the individual program has been approved by the offering department, division or school and is completed at the same time as the work for the degree itself. **Requirements for the minor must be completed either before or simultaneously with requirements for the degree. Minors will not be granted if any requirement of the minor is completed after requirements for the degree.** Interested students should consult an adviser in the department, division or school offering the minor of their choice. A list of the approved minors appears at the beginning of this chapter.

## ***Undergraduate Credit for Graduate Courses***

Under special academic circumstances as specified below, an academic program, department, division or school, may approve the granting of baccalaureate credit for 500-level course work to a maximum of two courses not to exceed a total of 9 quarter units. Academic credits earned under this rule may not be used to satisfy requirements towards M.A. and M.S. degrees awarded by California State University, Los Angeles. Additionally, the following conditions must be met:

- Senior standing at the time of petition (completion of 135 quarter units);
- a grade point average adequate for admission in classified standing to the master's program in that major;
- permission of the instructor teaching the course, the student's advisor, and the chair or director of the department, division or school offering the course.

## ***Graduate Credit for Undergraduate Students***

Undergraduate students with 135 quarter units completed may take for graduate credit a maximum of 13 quarter units in courses beyond the minimum requirements for the baccalaureate degree, provided they have maintained a grade point average of 2.75. Graduate credit is allowed for courses numbered in the 400 and 500 series only. Enrollment in any course for which graduate credit is requested must be approved in advance by the instructor teaching the course, the student's adviser and the coordinator/chair/director of the program/department/division/school offering the course.

The approved application must be delivered to the Graduation Office, Administration 409, during the quarter before that in which courses are to be taken.

## ***Application for Graduation (Degree Check)***

Once a minimum of 135-quarter units is earned, students may apply for graduation. Application for graduation (degree check) is made on a form available at the Cal State L.A. Graduation Office Website, academic department/division/school, the college advisement centers and at Enrollment Services in Administration 146. These forms are available five days prior to the application filing period. Candidates take their completed application form for payment to the Cashiers Office. Once payment is made, candidates take their application to their department, division or school for approval and processing. Filing periods are published in the Graduation Information section of the Schedule of Classes.

Students arrange to meet with their faculty adviser who will complete the Bachelors Degree Worksheet and approve the candidate's major program. The department, division or school will forward all documentation to the Graduation office for processing. The Graduation Office notifies students of the receipt of their graduation application and supporting documents.

Graduation check results are sent to the students in the mail prior to their final anticipated quarter. Students who are enrolled in the quarter they expect to graduate but do not complete all degree requirements will have their graduation application "automatically" transferred to the following quarter for processing. Students who do not complete all requirements for the degree within the anticipated graduation date or the additional grace quarter

following the requested graduation date must reapply for graduation. All questions regarding the graduation check or final results are to be directed to the student's major department, division or school.

Degrees dates are posted at the end of the quarter in which all requirements are met.

## ***Commencement Ceremony***

The commencement ceremony is held annually at the end of the Spring Quarter. Students who have applied to complete degree requirements in Fall, Winter, Spring and Summer Quarters are eligible to participate in the ceremony. Information bulletins about commencement activities are mailed to the home address of those eligible to participate early in the spring, and are available on campus at college, department, division, and school offices and Administration 146 and 409.

During Commencement Exercises, degrees are ceremoniously conferred on the candidates by the President of the University. Although each candidate receives a diploma cover during the program, the actual diploma is sent several months later. Students should be aware that degrees are not officially awarded until they are posted on their permanent academic records, which usually occurs within one quarter after their anticipated graduation date.

## ***Credit for Demonstrated Learning, Knowledge, or Skills Acquired Through Experience***

Cal State L.A. grants up to 12 units of undergraduate academic credit for prior learning, knowledge, or skills-based experience that has been documented and evaluated according to campus policy. Students should be aware, however, that policies for earning credit for prior learning vary among CSU campuses. See the **University-wide** programs section of the **Academic Programs: College-based and University-wide** chapter for more details about this program.

## ***Cooperative Education***

Cal State L.A. offers a range of Cooperative Education courses carrying different unit values. The Cooperative Education program provides educational enhancement by integrating classroom studies with related on-the-job experiences. With department, division or school approval, students may earn a maximum of 12 quarter units of elective credit toward an academic major or minor, including a maximum of 9 transferred quarter units. A maximum of 16 quarter units earned in cooperative education may apply toward a baccalaureate. With department, division or school approval, from 1 to 4 units of credit can be earned per quarter, based upon a minimum 10 hours per week of approved work experience for each unit of credit. Cooperative education may be offered in any department, division or school. For details see the **University-wide** section of the Academic Programs section.

## ***Internship in Public Service***

The Internship in Public Service program combines individual instruction with practical experience in government agencies and quasi-public enterprises. Although enrollment usually is restricted to Political Science majors, non-majors with appropriate background and preparation may apply. The program operates similarly to the Cooperative Education program, except that the maximum 6 units earned may apply only to upper division free elective credit rather than toward the major. A qualifying civil service examination is required for admission to some internship programs. Information about opportunities and qualifications may be obtained from the coordinator in the Political Science Department.

# The General Education Program

## ***Introduction***

The California State University (CSU) requires that each baccalaureate graduate have completed a program of general education breadth requirements in addition to a major program of study. The general education program is designed to ensure that graduates “have made noteworthy progress toward becoming truly educated persons.” Although the general areas of study and minimum unit requirements within them are prescribed by the CSU Board of Trustees, the individual campuses are given the authority to set course requirements within those areas, to add other requirements, and to enact other regulations. California State University, Los Angeles has designed its general education program within these guidelines.

Each baccalaureate student who entered Cal State L.A. Fall 1998 or later and who is subject to requirements in the 1998–1999 or any later catalog shall complete the general education program described below. Students who entered Cal State L.A. in Summer 1987 or after must complete the program with a minimum C (2.0) average and a minimum C grade in all basic subjects courses.

It is essential that students plan their general education programs with the help of an academic adviser. Please consult the current Schedule of Classes for specific information about distribution requirements, unit requirements, and current general education courses. General requirements include a minimum of 72 quarter units to be selected in accordance with the specified distributions among the designated categories. At least 12 units of upper division course work must be included and selected from the list of approved upper division theme courses. Courses used to meet upper division general education requirements may not be used to meet requirements for a major. All students must complete a minimum of 12 quarter units of general education courses in residence at Cal State L.A.

Departments, divisions, and schools that require of their majors specific courses that are certified by the offering department, division or school as at least equivalent to the general education courses in a given subject may permit approved G.E. replacement courses. Students should consult a department/division/school adviser or college-based advisement centers for the approved list of G.E. replacement courses.

## ***Certification of General Education***

Under the provisions that govern general education within the CSU, regionally accredited, participating colleges and universities may certify the completion of a portion of the 48 semester (72 quarter) units required in general education. Cal State L.A. will accept up to 39 semester (60 quarter) units of course work certified by another authorized institution. However, such acceptance is limited to the number of units required in each area and to a maximum of 30 semester (45 quarter) units in Areas B through D. Course work completed by students whose general education requirements are not certified by the transfer institution is evaluated in terms of Cal State L.A.’s current general education requirements.

Students are cautioned that certification is not automatic; each student must request it. In addition, all participating colleges and universities have their own policies governing certification. Students are strongly advised to read their college or university catalog carefully and to consult a counselor for details about individual regulations and restrictions.

Students who transfer to Cal State L.A. who were certified as having completed the lower division general education requirements under previous requirements but who have not maintained continuous attendance must complete Cal State L.A.’s upper division general education requirements.

## ***Philosophy and Goals of the General Education Program***

The General Education program enriches the lives of students as they acquire knowledge, learn to think critically, and use methodologies of the various disciplines. Students also learn to prepare for participation in a democracy, to appreciate a sense of shared cultural heritage, and to understand the environment. Students experience self-discovery and personal growth and recognize them as lifelong processes.

## ***General Education Mission Statement***

General education is a critical component of students’ academic and personal development. The General Education program endeavors to develop the following three separate, but related and equally important, qualities in our students:

1. A knowledge and understanding of themselves, their social and natural environment and a wide range of cultural achievements.

General education courses provide students with an opportunity to acquire knowledge about their own bodies and minds and about humankind’s common heritage and cultural achievements. The General Education program also enables students to develop global perspectives; to develop common commitments and mutual respect among diverse social, cultural and ethnic groups; to establish an understanding of the biological and physical aspects of the world and the universe; and to nurture an understanding of environmental responsibilities.

2. A firm command of communication and analytical skills.

The General Education program develops the ability of students to think clearly and logically, to find and examine information, to communicate effectively in oral and written form, and to perform quantitative analysis. The General Education program also cultivates the students' ability to reason critically, to solve problems creatively and to understand the major methods of intellectual inquiry.

3. A moral commitment to their fellow human beings and an awareness of ethical and social concerns.

The General Education program emphasizes the interdependence of individuals with the human community and the natural world by focusing on the knowledge, experiences, relationships, and ethical concerns common to all people. In affirming the community's claim on its individual members, general education courses explore shared and diverse cultural heritages and an agenda of common and pressing contemporary problems, cultivate mutual responsibilities to the commonwealth, and stimulate commitments to moral values and ethical behavior. Consistent with the mission of the University, the purposes of general education are to provide a knowledge and understanding of common problems, experiences and traditions that will enhance students' participation in a culturally diverse global society, and to provide an assessment of finite resources, mutual human needs and values.

### ***The Goals of the General Education Program***

General education at Cal State L.A. is devoted to a number of basic goals, which include:

1. Developing awareness of the sense of community and global interdependence of human experience and of the concomitant ethical responsibilities to fellow human beings.

The General Education program is designed to help students achieve a sense of the essential relationship of self to the community and environment with emphasis on their responsibilities to human society. Group and individualized experiences that encourage ethical behavior should be a part of the general education program.

2. Fostering intellectual curiosity and an appreciation of the major discoveries and achievements in the arts, letters, natural and social sciences, technology, and other major academic disciplines.

The General Education program is designed to stimulate curiosity for knowledge and excitement for lifelong learning. The nature of the courses and experiences in the program are planned to encourage students' interest in diverse aspects of education. The faculty is committed to offering students unique classroom opportunities and to challenging them to continue to study and learn long after course requirements are met. The General Education program includes an historical awareness of the major developments in the human experience as well as a contemporary awareness of the applications of new technologies which will play an increasingly important role in life.

3. Achieving competence in basic skills.

The General Education program is designed to ensure that students master basic communication, critical thinking and quantitative skills so that they may achieve academic excellence. In meeting this goal, the General Education program pays special attention to the multicultural nature of the Cal State L.A. campus community and to the needs of students who are limited in English language proficiency. Language development instruction is an integral part of general education at Cal State L.A. The General Education program at Cal State L.A. places an emphasis on developing competence in the English language through its curriculum.

4. Recognizing and appreciating the multicultural nature of human existence in general and of American society in particular.

The General Education program is designed to encourage students to develop appreciation for the multicultural dimensions of life in California, the nation, and the world.

Uniquely on this campus, faculty draw upon the special expertise and the abundance of multicultural experiences of the student population in cultivating this cultural awareness. The General Education program offers students the opportunity to recognize the rich heritage and socially diverse environment of California and of the nation. The program also enables students to become aware of universal experiences that are part of all cultures as well as the varieties of value systems that are in operation in today's global society.

5. Developing an appreciation of a shared and diverse cultural heritage and cultivating an awareness of contemporary world and its problems.

The General Education program provides for its diverse student body a familiarity with and a critical appraisal of American culture and its historical roots and antecedents. Students assess critically the impact and influence of American tradition, which includes the political, economic, social and communication systems, as well as the artistic and literary heritage, on the contemporary world.

### ***The Structure of the General Education Program***

The general education breadth requirements are structured so that introductory courses are taken prior to participation in integrative experiences. Students are expected to complete the general education requirements in written and oral communication, critical thinking, and mathematics, and general education prerequisite courses before enrolling in any upper division general education theme course. All courses approved for general education credit, including those lower division courses that also earn credit toward a major, are mandated to require the practice of writing in English including, where appropriate, library assignments. Evaluation of writing is included in all courses.

All baccalaureate students who enter Cal State L.A. Fall Quarter 1998 or later and who are subject to 1998-99 or later requirements shall complete the General Education program described below, in consultation with a faculty adviser. The requirements include a minimum of 60 lower division units and 12 upper division units, selected from approved themes, for a total of 72 units. In addition, at least 12 of the total 72 units must be earned at Cal State L.A. Students must complete two diversity courses which may be completed at either the lower or upper division level of the General Education program. Students are urged to consult an academic adviser in their major department/division/school or college-based advisement center in selecting

general education courses. All students who are subject to the requirements of the 1987-89 or later catalog must earn a C average in their General Education program and minimum C grades (2.0 G.P.A.) in all Block A (basic subjects) courses. **A grade of "C-" is not acceptable. All basic subjects must be completed within the first 45 units counted toward the baccalaureate degree.**

## Configuration Of "Blocks" Of G. E. Courses

### A. BASIC SUBJECTS (16 units) One course from each area.

- |                                     |   |
|-------------------------------------|---|
| 1. Written Communication* (4 units) | 3. Critical Thinking (4 units)                                |
| 2. Oral Communication (4 units)     | 4. Mathematical Concepts and Quantitative Reasoning (4 units) |

**A minimum C grade in all basic subjects courses is required of all students.**

#### AMERICAN INSTITUTIONS (Minimum of 8 units)

U.S. History	U.S. Constitution	State/Local Government
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All three areas must be met: POLS 150 meets both U.S. Constitution and State/Local Government.

### B. NATURAL SCIENCES: 8 or 12 units from 2 or 3 different areas, based on the classification of the student's major as listed below. A Biological and a Physical Science course with lab are required of all students. The third required course is an applied Natural Science course.

- |  |   |
|--|---|
| 1. Biological Science with lab (4 units) | 3. Applied Natural Science course (4 units) |
| 2. Physical Science with lab (4 units)   |   |

### C. HUMANITIES: 8 or 12 units from 2 or 3 different areas, based on the classification of the student's major as listed below. Students must take either 8 units from 2 different areas or 12 units from 3 different areas. An integrated Humanities course may count as one of the area requirements.

- |                         |                                     |                                 |
|-------------------------|-------------------------------------|---------------------------------|
| 1. Literature and Drama | 3. Philosophy and Religious Studies | 5. Integrated Humanities course |
| 2. Arts                 | 4. Languages Other than English     |                                 |

### D. SOCIAL SCIENCES: 8 or 12 units from 2 or 3 different disciplines, based on the classification of the student's major as listed below. Students must take either 8 units from 2 different disciplines or 12 units from 3 different disciplines. An integrated Social Science course may count as one of the required courses.

### E. LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT (4 units)

### F. UPPER DIVISION THEME (12 units)

Students must complete one course in each of the three discipline areas (Natural Sciences and Mathematics, Social Sciences, and Humanities) as required in a theme. Completion of basic subjects requirements (Block A) and at least one course each from blocks B, C, and D are prerequisites to all upper division theme courses.

### G. DIVERSITY REQUIREMENT (2 courses)

Students must complete two courses certified as diversity courses. These courses may be completed at either the lower division or upper division level from among courses satisfying general education requirements in blocks C, D, E, and F. Diversity courses are designated with a (d) by each course. Diversity courses are required for students who are subject to Fall 1998 or later GE requirements.

*\*All students who entered Cal State L.A. Summer 1993 or later and who are subject to requirements in the 1993-95 or any later catalog are required to have two courses (ENGL 101 and 102 - 8 units) in Written Communication; however, only the first of the two courses (ENGL 101 - 4 units) is applied to General Education. Both courses must be completed with a C or higher grade.*

## Summary of the Configuration of General Education Units

Configuration of Units								
A		B	C	D	E		F	
Basic Subjects	American Institutions	Natural Sciences	Humanities	Social Sciences	Lifelong Understanding & Self-Devel	Lower Division Total	Upper Division Themes	General Education Total
16	8	8 or 12	8 or 12	8 or 12	4	60	12	72

## General Education Lower Division Courses

### Effective: Fall Quarter 1998

\* Information Listed Under G.E. Classification Of Majors will assist you in determining the GE Unit Requirements for Blocks B, C and D based on your major.

#### A. Basic Subjects: 16 Units

##### § A1 Written Comm

- ENGL 101 - Composition I (4)

##### § A2 Oral Comm

- COMM 150 - Oral Communication (4)

##### § A3 Critical Thinking

- COMM 176 - Argumentation (4)
- PHIL 160 - Critical Thinking (4)
- PHIL 250 - Introduction to Symbolic Logic (4)
- POLS 155 - Critical Analysis of Political Communication (4)

##### § A4 Mathematical Concepts and Quantitative Reasoning

- ECON 109 - Quantitative Reasoning with Statistics (4) **also listed as**
- MATH\* 109 - Quantitative Reasoning with Statistics (4)
- MATH 100 - Introduction to College Mathematics (4)
- MATH 102 - College Algebra (4)

##### Note:

§ minimum C grade in these classes is required. A C- grade is not acceptable.

#### American Institutions: 8 Units

##### U.S. History

- HIST 202A - United States Civilization (4) **or**
- HIST 202B - United States Civilization (4)

##### U.S. Constitution

- † POLS 150 - Government and American Society (4)

##### State/Local Gov't

- † POLS 150 - Government and American Society (4)
- or**
- POLS 200 - California State and Local Government (2)

##### Note:

†POLS 150 meets both areas

#### B. Natural Science: 8 or 12\* Units

##### B1 Biological (with lab)

- BIOL 155 - Animal Biology (4)
- BIOL 156 - Plant Biology (4)
- MICR 151 - Biology of Microorganisms (4)

## B2 Physical (with lab)

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- ASTR 151 - Principles of Astronomy (3)  
**with**
- ASTR 152 - Principles of Astronomy: Laboratory (1)
- CHEM 158† - Molecules Matter (4)  
**with**
- CHEM 159† - The Chemistry of Everyday Things Laboratory (1)
- GEOG 170 - Meteorology (4)
- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- PHYS 156 - Physics for the Twenty-first Century (4)

## B3 Applied Natural

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- ANTH 260 - Physical Anthropology (4)
- ASTR 160 - Space, Time and the Universe (4)
- BIOL 158 - Brain and Behavior (4)
- BIOL 165 - Humans and the Biological Environment (4)
- CE 220 - Our Oceans and Our Future (4)
- GEOG 160 - Physical Geography (4)
- GEOL 158 - Natural Disasters (4)

## C. Humanities: 8 or 12\* Units

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### C1 Literature and Drama

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- (d) CHS 201 - Modern Mexican Literature in Translation (4)
- ENGL 207 - Beginning Creative Writing (4)
- ENGL 250 - Understanding Literature (4)
- ENGL 258 - Mythology in Literature (4)
- (d) ENGL 260 - Women and Literature (4)
- (d) ENGL 270 - Contemporary American Literature (4)
- ENGL 280 - Contemporary World Literature (4)
- TA 152 - Analysis of Drama and Theatre (4)

### C2 Arts

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- ART 101A - World Art (4)
- ART 101B - World Art (4)
- ART 101C - World Art (4)
- ART 150 - Survey and Studio: Introduction to Sculpture (4)
- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- ART 155 - Survey and Studio: Introduction to Painting (4)
- ART 156 - Survey & Studio: Textiles and Apparel (4)
- ART 157 \* - Survey and Studio: Introduction to Metal and Jewelry Design (4)
- ART 159 - Survey and Studio: Introduction to Drawing (4)
- (d) ART 209 - Perspectives on Art, Diversity, and World Culture (4)
- CHS 112 - Cultural Expressions in the Americas (4)
- (d) CHS 260 - Introduction to Third World Images in Film (4)  
**or**
- (d) PAS 260 - Third World Images in Film (4)
- DANC 157 - Crosscultural Themes in Dance (4)
- DANC 210 - Body and Identity in Dance, Theatre, Film (4) **also listed as**
- TA 210 - Body and Identity in Dance, Theatre, Film (4) **also listed as**
- TVF 210 - Body and Identity in Dance, Theater, Film (4)
- ENGL 225 - Interpreting World Cinema (4) **also listed as**
- TVF 225 - Interpreting World Cinema (4)
- (d) LBS 234 - Multicultural Arts, L. A. (4)
- MUS 150 - Music in World Culture (4)
- MUS 151 - Classical Music in Western Culture (4)
- MUS 152 - The Roots of Rock and Pop Music in American Culture (4)
- MUS 156 - Jazz in American Culture (4)
- MUS 157 - Musical Expressions of the Latino Communities in the USA (4)
- MUS 160 - Music Fundamentals (4)

### C3 Philosophy and Religious Studies

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- PHIL 151 - Philosophical Ideas: Knowledge and Reality (4)
- PHIL 152 - Philosophical Ideas: Human Values (4)
- (d) PHIL 200 - Introduction to Comparative Religions (4) **also listed as**
- (d) RELS 200 - Introduction to Comparative Religions (4)



- (d) PHIL 220 - Contemporary Moral and Social Issues in a Multicultural Society (4)

## C4 Languages Other Than English

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- COMD 150 - Introduction to American Sign Language (4)
- CHIN 100A - Elementary Mandarin (4)
- CHIN 100B - Elementary Mandarin (4)
- CHIN 100C - Elementary Mandarin (4)
- CHIN 200A - Intermediate Mandarin (4)
- CHIN 200B - Intermediate Mandarin (4)
- CHIN 200C - Intermediate Mandarin (4)
- FREN 100A - Elementary French (4)
- FREN 100B - Elementary French (4)
- FREN 100C - Elementary French (4)
- FREN 200A - Intermediate French (4)
- FREN 200B - Intermediate French (4)
- FREN 200C - Intermediate French (4)
- JAPN 100A - Elementary Japanese (4)
- JAPN 100B - Elementary Japanese (4)
- JAPN 100C - Elementary Japanese (4)
- JAPN 200A - Intermediate Japanese (4)
- JAPN 200B - Intermediate Japanese (4)
- JAPN 200C - Intermediate Japanese (4)
- KOR 100A - Elementary Korean (4)
- KOR 100B - Elementary Korean (4)
- KOR 100C - Elementary Korean (4)
- PAS 120 - Elementary Igbo (4 Units).
- SPAN 100A - Elementary Spanish for Non-Heritage Speakers (4)
- SPAN 100B - Elementary Spanish for Non-Heritage Speakers (4)
- SPAN 100C - Elementary Spanish for Non-Heritage Speakers (4)
- SPAN 105 - Elementary Spanish for Heritage Speakers (4)
- SPAN 200A - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200B - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200C - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 205A - Intermediate Spanish for Heritage Speakers (4)
- SPAN 205B - Intermediate Spanish for Heritage Speakers (4)

## C-5 Integrated Humanities

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- ENGL 240 - Film, Novel, Theater (4) **also listed as**
- TA 240 - Film, Novel, Theatre (4) **also listed as**
- TVF 240 - Film, Novel, Theater (4)
- ENGL 210 - Conceptions of the Self in Philosophy and Literature (4) **also listed as**
- PHIL 210 - Conceptions of the Self in Philosophy and Literature (4)

### Note:

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(d) *Approved diversity courses*

## D. Social Sciences: 8 or 12\* Units

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- (d) AAAS 200 - Pacific Asian Culture, People, and Society (4)
- (d) ANTH 250 - Cultural Anthropology (4)
- (d) BUS 250 - Diversity, Business, and the Workplace (4)
- CHDV 140 - Child Development (4)
- (d) CHS 111 - Cultural Diversity and Chicanos (4)
- **or**
- (d) CHS 255 - Diverse Latin American Populations in Southern California (4) **also listed as**
- (d) LAS 255 - Diverse Latin American Populations in Southern California (4)
- (d) CRIM 210 - Race, Ethnicity, and Gender in the Criminal Justice System (4)
- ECON 150 - Economics for the Citizen (4)
- (d) GEOG 155 - Cultural Geography (4)
- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)
- HIST 110C - World Civilization III (4)
- (d) HIST 150 - Asian-American History (4)
- **or**
- (d) SOC 263 - Asian-American Experience (4)
- (d) LAS 102 - The African Diaspora in the United States (4) **also listed as**
- (d) PAS 102 - The African Diaspora in the United States (4)
- (d) PAS 180 - Race and Ethnicity in American Society (4)
- PAS 250A - African History (4)
- PAS 250B - African History (4)
- POLS 250 - World Politics (4)
- PSY 150 - Introductory Psychology (4)
- SOC 201 - Principles of Sociology (4)
- (d) TVF 250 - Media, Culture and Identity (4)
- URBA 180 - The Urban World (4)

(d) WOMN 203 - Gender and Race in the United States (4)

## Integrated Social Science

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- (d) LAS 150 - Introduction to Latin American Studies (4)

### Note:

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(d) *Approved diversity courses*

## E. Lifelong Understanding and Self-Development:4

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- (d) ART 240 - Art and Life Perspectives (4)
- BUS 200 - Work and Self Development (4)
  
- (d) CHDV 120 - Intimate Relationships in Our Diverse Society (4) **also listed as**
- (d) SOC 120 - Intimate Relationships in Our Diverse Society (4)
  
- COMM 230 - Communication Strategies in Conflict Management (4)
- PH 150 - Health and Wellness (4)
- KIN 150 - Fitness and Wellness in Contemporary Society (4)
- (d) PHIL 230 - The Meanings of Human Life: A Multicultural Approach (4)
- PSY 160 - Psychology of the Developing Person (4)
- (d) SOC 202 - Society and Individual Development (4)
- TECH 250 - Impact of Technology on the Individual and Society (4)

### Note:

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AL 101, BUS 101, EDUC 101, HHS 101, NSS 101, UNIV 101 satisfy both IHE and Block E requirement

(d) *Approved diversity course* Number preceded by the designation (d) indicate those approved to meet the 2-course Block G - Diversity requirement

### Notes:

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- A minimum C grade *average in general education* is required of all students following the 1987-1989 or any later catalog.
- Other courses may be substituted in some categories in conjunction with a student's major. Consult a department or division adviser for a list of *approved GE replacement courses*.
- Students must complete two diversity courses which may be selected from blocks C, D, E or from GE upper division themes.
- ENGL 102 is required of all students who entered Cal State L.A. Summer 1993 or later, and who are subject to the requirements of the 1993-95 or later GE catalog. *A minimum C grade is required. A 'C-' grade is not acceptable.*
- Engineering and Computer Science majors' GE program differs. See an academic adviser in your major department.

\*depending on major, see classification of majors on previous page.

## G.E. Classification Of Majors



The Information Provided Below Will Assist You in Determining the Number of Units You Must Take in Natural Sciences (Block B), Humanities (Block C) and Social Sciences (Block D) Based on Your Major. GE Courses are Listed in the General Education Lower Division Courses section.

### Natural Science-based Majors\*- 8 Units in Block B, 12 Units in Block C and 12 Units in Block D

Students majoring in the following programs must take **8** units of natural sciences (biological and physical, each with lab – **B1** and **B2**), **12** units of humanities, and **12** units of social sciences. Students majoring in biological science-based fields must take one physical science general education course and one other natural science G.E. course. Students majoring in physical science-based fields must take one biological science-based general education course and one other natural science G.E. course.

Biochemistry (B.S.)	Food Science and Technology, B.S.	Natural Science (B.S.)
Biology (B.S.)	Geology (B.S.)	Nursing (B.S.)
Chemistry (B.A., B.S.)	Health Science (B.S.)	Nutritional Science (B.S.)
Computer Science (B.S.)	Kinesiology (B.S.)	Physics (B.A., B.S.)
Engineering (B.S.)**	Mathematics (B.A., B.S.)	
Exercise Science (B.S.)	Microbiology (B.S.)	

### Humanities-based Majors - 12 Units in Block B, 8 Units in Block C and 12 Units in Block D.

Students majoring in the following programs must take **12** units of natural sciences (**4** units in each of the areas – biological **B1**, physical **B2**, and applied natural **B3**), **8** units of humanities, and **12** units of social sciences. Students majoring in humanities-based fields must take two humanities courses, one of which may be an integrated humanities course.

Art (B.A.)		Philosophy (B.A.)
Chinese, B.A.	Japanese (B.A.)	Spanish (B.A.)
Communication (B.A.)	Liberal Studies (B.A.)	Television, Film & Media Studies (B.A.)
English (B.A.)	Music (BMus, B. A.)	Theatre Arts and Dance (B.A.)
French (B.A.)		

### Social Science-based Majors - 12 Units in Block B, 12 Units in Block C and 8 Units in Block D.

Students majoring in the following programs must take **12** units of natural sciences (**4** units in each of the areas – biological **B1**, physical **B2**, and applied natural **B3**), **12** units of humanities, and **8** units of social sciences. Students majoring in social science-based fields must take two social science general education courses, one of which may be an integrated social science course.

African American Studies (B.A.)	Economics (B.A.)	Psychology (B.A.)
Anthropology (B.A.)	Fire Protection Administration and Technology (B.S.)	Rehabilitation Services (B.S.)
Asian and Asian American Studies (B.A.)	Geography (B.A.)	Social Work (B.A.)
Aviation Administration (B.S.)	Graphic Communications (B.S.)	Sociology (B.A.)
Business Administration (B.S.)	History (B.A.)	Urban Learning (B.A.)
Child Development (B.A.)	Industrial Technology (B.S.)	
Communicative Disorders (B.A.)	Latin American Studies (B.A.)	
Computer Information Systems (B.S.)	Mexican-American Studies (B.A.)	
Criminal Justice (B.S.)	Political Science (B.A.)	

\* Students should choose general education courses in consultation with an academic adviser in their major department, division or school. This is particularly important for science majors whose General Education natural science requirements will differ from the courses listed in the General Education program.

\*\* GE program for Engineering and Computer Science majors is available in the College of Engineering, Computer Science, and Technology. See a faculty adviser for details.

## G.E. Upper Division Themes (Block F)



Students are required to complete a 12-unit upper division theme as part of the General Education program. A theme consists of three interrelated courses on the same topic, designed to help students acquire knowledge of topics that are current, enduring, and of significant importance for humanity. Topics are designed to promote: an understanding of oneself and one's fellow human beings, the social and physical environment, and a wide range of cultural achievements; an understanding of the shared concerns of all people as well as diverse cultural heritages; and an awareness of ethical and social concerns and a cultivation of moral responsibility.

Courses in each theme are distributed among three areas including: Natural Sciences and Mathematics, Social Sciences and Humanities. Students are thereby provided with the perspectives of at least three different disciplines on the theme's topic and must select one course from each area for the theme selected. Completion of the lower division basic subjects requirement is prerequisite to all upper division theme courses, as well as completion of any additional lower division general education course that may be required as a prerequisite. Courses used to meet upper division general education requirements may not be used for a major. Additionally, students must choose theme courses outside of their major department/division/school unless a departmental/divisional/school waiver has been approved by the General Education Subcommittee.

Students may meet the general education diversity requirement (2 courses) by completing courses designated as diversity courses at the lower or upper division level from among courses satisfying general education requirements. All courses approved to meet the diversity requirement are designated as (d) by each course.

Students who have completed the upper division theme are deemed to be "G.E. satisfied" at the upper division level. Students will not be held to further upper division G.E. course requirements upon a change of major.

Students may choose from the following themes, in consultation with an adviser.

**NOTE:** Courses with the course number preceded by the designation (d) indicate those approved to meet the 2-course **Block G – Diversity** requirement.

### A. Challenge of Change in the Developing World

This theme explores the dilemmas faced by the peoples of Africa, Asia, the Middle East and Latin America as they struggle to overcome legacies of colonialism and economic dependence. The developing countries are characterized by severe social and cultural tensions, physical complexities and challenges to themselves and the rest of the world. Their current integration into the global economy marks a crucial stage in world history. The natural science courses assess their physical settings, constraints and possibilities; the social science courses analyze social, political and economic processes of change; the humanities component examines the dynamic interplay among the arts, religion and cultural values.

#### Natural Sciences and Mathematics

- GEOG 312 - Global Climate Change and the Developing World (4) **also listed as**
- GEOL 312 - Global Climate Change and the Developing World (4)
- GEOG 333 - Environment and Development in the Third World (4)
- GEOL 351 - Environmental Geology of Developing Nations (4)
- PH 356 - Issues in Global Health (4)

#### Social Sciences

- COMM 395 - Sociocultural Impact of Globalization for the Developing World (4) **also listed as**
- LBS 395 - Sociocultural Impact of Globalization for the Developing World (4)
- ECON 360 - Developing Countries and the New Global Economy (4)
- HIST 360 - Revolution and Society in Developing Countries (4)
- (d) LAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- (d) PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- (d) POLS 360 - Dynamics of Change in the Developing World (4)

#### Humanities

- (d) LAS 342 - Cultural Impact of Development (4) **also listed as**
- (d) PAS 342 - Cultural Impact of Development (4)

- (d) MUS 358 - Music of the Oppressed in Latin America (4)
- PHIL 334 - Post-Colonial Values and Modernization in the Developing World (4)
- TVF 324 - Third Cinema/Video (4)

## B. Perspectives On Violence

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The Perspectives on Violence theme utilizes a multidisciplinary approach that provides comprehensive investigations, discussions, and the debate about theories, research and conflict/violence reduction strategies relevant to the causes and effects of violent behavior. The theme is structured to increase students' understanding of the nature, causes and complexities of violence in its myriad forms, including the study of how, when, and why it occurs as well as what can be done to reduce it.

### Natural Sciences and Mathematics

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- ANTH 315 - Evolutionary Perspectives on Violence (4)
- NURS 308 - Psychophysiology of Substance Abuse and Violence (4)
- NURS 307 - Physiology and Psychology of Violence and Aggression (4) **also listed as**
- PSY 307 - Physiology and Psychology of Violence and Aggression (4)

### Social Sciences

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- COMD 309 - Human Violence and Individual Change (4) **also listed as**
- PSY 309 - Human Violence and Individual Change (4)
- HIST 351 - Beyond Conflict, Violence, and War (4) **also listed as**
- POLS 351 - Beyond Conflict, Violence, and War (4)
- NURS 355 - Strategies for Preventing and Intervening in Family Violence and Abuse (4) **also listed as**
- SW 355 - Strategies for Preventing and Intervening in Family Violence and Abuse (4)
- SOC 383 - Violence in American Society (4)

### Humanities

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- ENGL 382 - Violence and Literature (4)
- PHIL 325 - Violence and Ethics (4)
- TA 314 - Staging Violence in World Theatre (4)
- TVF 366 - Violence and the Media (4)

## C. Gender in the Diversity of Human Experience

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This theme provides an integrated inquiry into the implication of gender, exploring its meaning, significance, and status within the diversity of human experience and representations of sex and gender specific to the multitude of cultures and societies making up the human experience, both historically and today.

### Natural Sciences and Mathematics

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- ANTH 310 - Evolutionary Perspectives on Gender (4)
- BIOL 388N - Sex and Gender (4) **also listed as**
- PSY 388 - Sex and Gender (4)
- LBS 386 - Gender in Science (4)
- NURS 330 - Human Reproductive Health (4)

### Social Sciences

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- (d) ANTH 338 - Gender Roles in Crosscultural Perspectives (4)
- (d) HIST 357 - Gender in History (4)
- (d) POLS 310 - Gender, Politics, and Government (4)
- (d) SOC 341 - Sociology of Gender Roles (4)

### Humanities

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- (d) COMM 385 - Sex and Gender in Language and Literature (4) **also listed as**
- (d) ENGL 385 - Sex and Gender in Language and Literature (4)
- (d) ENGL 379 - Gender and Sexuality in Popular Culture (4) **also listed as**
- (d) TVF 379 - Gender and Sexuality in Popular Culture (4)
- (d) PHIL 327 - Philosophy, Gender and Culture (4)
- (d) RELS 335 - Gender in the Diversity of World Religions (4)

## D. Urban Life and Environment

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This theme contributes to an understanding of urbanization, its causes and consequences, and the urban experience from a variety of points of view. Courses explore the city as a special kind of human habitat and the relations between social and natural environments. Students gain the tools to comprehend the social, political, economic and cultural complexities of cities and the human and natural forces that shape urban life,

experiences and environments.

### Natural Sciences and Mathematics

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- CE 352 - Technological Aspects of Urban Environment (4)
- GEOG 309 - Urban Environmental Pollution (4)
- GEOG 310 - Urban Climatology (4)
- GEOL 357 - Urban Geology (4)

### Social Sciences

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- (d) CHDV 321 - Urban Families: Contemporary Issues (4)
- GEOG 376 - Urban Spatial Process and Patterns (4)
- HIST 383 - Rise of Urban America (4)
- SOC 330 - Social Issues in the Urban Setting (4)

### Humanities

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- ART 317 - Visual Arts in Urban Contexts (4)
- (d) COMM 389 - Intercultural Communication in the Urban Environment (4)
- ML 300 - Language Diversity in Urban America (4)
- TAD 316 - Theatre and Dance in 20th Century Urban Contexts (4)

## E. The Diversity of Human Emotions

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The Diversity of Human Emotions theme uses emotion as a window into cultures, because emotional diversity reflects the diversity of humankind. As a biological process that is shaped into varieties by culture, emotion is an ideal topic for gaining insights into the social lives of ethnic groups, the genders, and the social classes. The theme emphasizes these dimensions of diversity and portrays not only cultural diversity, but also teaches techniques for control over prejudice, suspicion, antagonism and other emotional states creating conflict among social groups.

### Natural Sciences and Mathematics

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- ANTH 300 - Evolutionary Perspectives on Emotions (4)
- PSY 323 - Psychology of Emotion and Motivation (4)

### Social Sciences

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- (d) HIST 356 - History of Emotions (4)
- (d) PAS 369 - Race, Activism, and Emotions (4)
- (d) RELS 380 - Emotion in Religion (4)
- (d) SOC 300 - Cultural Emotions (4)

### Humanities

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- (d) CHS 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- (d) ENGL 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- (d) PAS 327 - Ethnicity and Emotions in U.S. Film (4)
  
- ENGL 389 - Human Emotions in Literary Expression (4) **also listed as**
- ML 389 - Human Emotions in Literary Expression (4)
  
- PHIL 372 - Philosophy and the Emotions (4)
  
- TA 380 - Emotion in Theatre and Film (4) **also listed as**
- TVF 380 - Emotion in Theater and Film (4)

## F. Human Maturity and Aging Processes and Problems

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This theme addresses major life issues that confront individuals in maturity and adulthood. It provides a multidisciplinary approach to the study of human aging through examination of the biological bases of aging, the cultural, social, political and psychological implications of maturity and aging, and the religious, literary and philosophical concepts of age and aging.

### Natural Sciences and Mathematics

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- BIOL 384N - Biology of Human Aging (4)
- KIN 345 - Physiological Effects of Exercise During Aging (4)
- NTRS 351 - Adult Nutrition (4)

### Social Sciences

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- (d) ANTH 335 - Maturity and Aging in Crosscultural Perspective (4)
- POLS 330 - Politics of Aging (4)
- PSY 362 - Psychological and Psychosocial Developmental Stages in Maturity and Aging (4)
- (d) SOC 323 - Socialization: Maturity and Aging (4)

### Humanities

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- ENGL 383 - Narratives of Maturity and Aging (4)
- ML 382 - Maturity and Aging in East Asia and Romance Literatures (4)
- (d) PHIL 373 - Themes of Adult Life in Philosophy (4)
- (d) RELS 325 - Themes of Adult Life in the World's Religions (4)

## G. The Global Environment: Past, Present, and Future (Theme G discontinued 2004)

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**Note: Effective Fall Quarter 2004, Theme G was discontinued. Only students who started Theme G prior to Fall, 2004 may enroll in Theme G courses.**

## H. Race, Diversity, and Justice

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"Race, Diversity and Justice" is a theme that integrates the investigation of contemporary issues of racism and social injustice with the goal of understanding what attitudes and behaviors prevent equal treatment for all peoples. This theme presents the conceptual and historical background necessary for responsible and moral judgement, subsequent action, and the embracement of cultural diversity in a world that is composed of many cultures and societies.

### Natural Sciences and Mathematics

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- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
- CHS 370 - Environmental Racism (4) **also listed as**
- PH 370 - Environmental Racism (4)

### Social Sciences

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- (d) COMM 342 - Rights and Justice in Communication and Politics (4) **also listed as**
- (d) POLS 342 - Rights and Justice in Communication and Politics (4)
- (d) HIST 352 - Civil Rights in the United States (4)
- (d) AAAS 348 - Class, Race/Ethnicity, and Gender (4) **also listed as**
- (d) CHS 348 - Class, Race/Ethnicity, and Gender (4) **also listed as**
- (d) SOC 348 - Class, Race/Ethnicity, and Gender (4) **also listed as**
- (d) PAS 348 - Class, Race/Ethnicity, and Gender (4)
- (d) SW 362 - From Institutional Racism to Cultural Competency (4)

### Humanities

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- (d) CHS 335 - Race and Culture in the Americas (4) **also listed as**
- (d) LAS 335 - Race and Culture in the Americas (4)
- (d) ENGL 377 - Literary Explorations of Justice and Racism (4) **also listed as**
- (d) PAS 377 - Literary Explorations of Justice and Racism (4)
- (d) PHIL 323 - Human Diversity and Justice (4)
- (d) TVF 334 - "Race", Justice and the Mass Media (4)

## I. Ancients and Moderns

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The Ancients and Moderns theme provides an integrated introduction to the interaction of the principal civilizations of the Mediterranean basin—Mesopotamia, Egypt, Greece, and Rome—to form the "Classical Tradition" and the significance of that tradition for the understanding of Western and Islamic Civilization in general and the culture of the Americas in particular. Comparisons will be made with East Asian Civilization.

### Natural Sciences and Mathematics

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- ASTR 360 - Ancient and Modern Views of the Universe (4)
- CHEM 380N - Ancient and Modern Science (4) **also listed as**
- HIST 380 - Ancient and Modern Science (4) **also listed as**
- PHIL 380 - Ancient and Modern Science (4)
- ENGR 383 - Ancient and Modern Technology (4) **also listed as**
- TECH 383 - Ancient and Modern Technology (4)
- NTRS 357 - The Changing Food Supply: Impact on Health (4)

### Social Sciences

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- ANTH 355 - Cultural Evolution and Ancient Civilizations (4)
- (d) HIST 311 - Classical Civilization and the Modern World (4)
- (d) POLS 348 - Issues in Ancient and Modern Political Thought (4)

## Humanities

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- AAAS 350 - Ancient East Asian Literature and the Modern World (4)
- CHS 312 - Mediterranean and Pre-Columbian Myths in Latin American Literature (4) **also listed as**
- ML 312 - Mediterranean and Pre-Columbian Myths in Latin America Literature (4)
- ENGL 381 - Legacy of Greek and Roman Literature (4)
- PHIL 321 - Ancient Thought and its Modern Legacy (4)



## Service-Learning Courses

### Service-Learning Definition

Consistent with the special mission at Cal State L.A. to provide an educational experience that recognizes and takes full advantage of diversity while emphasizing the knowledge, experience and ethical concerns common to all people, service learning at California State University, Los Angeles

- is a teaching and learning strategy that provides students with organized and meaningful learning experience outside the classroom designed to enhance their understanding of information, knowledge and theoretical principles shared in the classroom;
- is also defined as a pedagogical model that links course content with a community service component that is designed to address the needs identified by the community whether local or global; and
- has, as an integral component, the use of reflective activities intended to integrate course content and skills and knowledge with community involvement and to develop or strengthen students' commitment to social responsibility and civic engagement.

Sections of the following courses offer service-learning opportunities. Please consult department/division/school for course offerings.

#### Lower Division GE Courses

- AAAS 200 - Pacific Asian Culture, People, and Society (4) **GE D**
- ART 209 - Perspectives on Art, Diversity, and World Culture (4) **GE C2**
- HIST 150 - Asian-American History (4) **GE D**
- LBS 234 - Multicultural Arts, L. A. (4) **GE C2**
- PHIL 220 - Contemporary Moral and Social Issues in a Multicultural Society (4) **GE C3**
- PHIL 230 - The Meanings of Human Life: A Multicultural Approach (4) **GE E**
- POLS 150 - Government and American Society (4) **GE AM**
- SOC 202 - Society and Individual Development (4) **GE E**
- SPAN 205B - Intermediate Spanish for Heritage Speakers (4) **GE C4**
- TECH 250 - Impact of Technology on the Individual and Society (4) **GE E**
- WOMN 203 - Gender and Race in the United States (4) **GE D**

#### Lower Division Courses

- TECH 231 - Imposition and Electronic Image Assembly (3)
- TECH 232 - Electronic Prepress Systems (3)
- TECH 291 - Computers in Technology (3)

#### Upper Division GE Theme Courses

- ANTH 335 - Maturity and Aging in Crosscultural Perspective (4) **GE Theme F**
- ART 317 - Visual Arts in Urban Contexts (4) **GE Theme D**
- ENGL 381 - Legacy of Greek and Roman Literature (4) **GE Theme I**
- KIN 345 - Physiological Effects of Exercise During Aging (4) **GE Theme F**
- PHIL 323 - Human Diversity and Justice (4) **GE Theme H**
- PHIL 327 - Philosophy, Gender and Culture (4) **GE Theme C**
- PSY 309 - Human Violence and Individual Change (4) **GE Theme B**
- SOC 323 - Socialization: Maturity and Aging (4) **GE Theme F**
- SOC 348 - Class, Race/Ethnicity, and Gender (4) **GE Theme H**

#### Upper Division Courses

- AAAS 415 - Asian American Communities in Southern California (4) **also listed as**
- ANTH 415 - Asian American Communities in Southern California (4)
- ART 400\* - Elementary Classroom Visual Art (3)
- ART 468 - Problems in Advanced Design (4)
- ART 487 - Advanced Photography (4)
- CHS 432 - Chicanos and the War on Drugs (4)
- CHS 450 - Research on Community Problems (4)
- CHS 470 - Chicano Educational Issues (4)
- CHDV 340 - Middle Childhood and Adolescence (4)
- COMM 330 - Organizational Studies (4)
- COMM 477 - Qualitative Methods in Communication (4)
- EDAD 520 - Instructional Leadership (4)
- EDCI 541 - Field Work in Reading and Language Arts (4)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- ENGL 301 - Introduction to Language (4)

- ENGL 430 - Children's Literature (4)
- ENGL 452 - Reading Cultures: Cultural Studies and English Literature (4)
- ENGL 476 - Ethnic Literature in the U.S. (4)
- HIST 483 - Poverty and Anti-Poverty in American History (4)
- KIN 422 - Community Service Learning and Physical Activity Programs (4)
- KIN 436B - Mobility Training Practicum (2)
- KIN 439 - Rehabilitation Exercise Machines (3)
- KIN 490 - Capstone Seminar in Physical Education (4)
- KIN 548 - Physical Activity Program Leadership (4)
- MATH 395 - Classroom Experiences in Teaching High School Mathematics (2)
- MGMT 468 - Small Business Management (4)
- NTRS 418 - Community Nutrition (4)
- PHIL 395 - Philosophy in Practice: Internships and Service Learning (1-3)
- PSY 445 - Community Psychology – Service Learning (4)
- SOC 331 - The Dynamics of Poverty (4)
- SOC 414 - Contemporary Sociological Theory (4)
- SOC 428 - Self and Identity (4)
- TECH 430 - Computer Aided Graphic Communications Management (3)
- TECH 432 - Typographical Layout And Design (3)
- TECH 436 - Electronic Publishing Technology and Management (3)

### **For more information about service-learning and community engagement at CSULA:**

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Please contact Associate Dean of Undergraduate Studies (323-343-3830), or Faculty Director of Service Learning (323-343-3372).

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# Elementary Subject Matter Teacher Preparation Common Core



## For Students Beginning Fall 2003 or Later

### Effective Fall 2003

Note: Grade of "C" or higher required in all courses

Only articulated courses will be acceptable for ESM transfer credit, with the exception of GE Block A3

### Common Core Courses

#### University Requirements (2 Units)

- Introduction to Higher Education (2)  
*or*
- Transition to Cal State L.A. (2)
- UNIV 400 - Writing Proficiency Examination (0) (WPE)

#### Reading Language and Literature (24 Units)

- \* COMM 150 - Oral Communication (4)
- \* ENGL 101 - Composition I (4)
- ENGL 102 - Composition II (4)
- ENGL 250 - Understanding Literature (4)  
*or*
- ENGL 258 - Mythology in Literature (4)
- ENGL 301 - Introduction to Language (4)
- ENGL 430 - Children's Literature (4)

#### Critical Thinking (4 Units)

- Any certified A3 GE course  
*or*
- \* COMM 176 - Argumentation (4)  
*or*\*
- PHIL 160 - Critical Thinking (4)  
*or*\*
- PHIL 250 - Introduction to Symbolic Logic (4)  
*or*\*
- POLS 155 - Critical Analysis of Political Communication (4)

#### Mathematics (12 Units)

- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- \* MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)

**Note:**

\*Basic Subject Courses - All basic subjects must be completed within the first 45 units counted toward the baccalaureate degree.

#### History and Social Science (20 Units)

- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)
- HIST 202A - United States Civilization (4)
- HIST 488 - California (4)  
*or*
- CHS 443 - History of the Chicano People in California (4)
- POLS 150 - Government and American Society (4)

## Science (18 Units)

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- BIOL 180 - Life Science for Elementary Teachers (4)
- BIOL 181 - Life Science Seminar for Elementary Teachers (2)
- NATS 180 - Motion and Energy for Elementary Teachers (3)
- NATS 181 - Structure and Properties of Matter for Elementary Teachers (3)
- NATS 182 - Topics in Space Science for Elementary Teachers (2)
- NATS 183 - Earth Science for Elementary Teachers (4)

## Visual and Performing Arts (12 Units)

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- ART 400\* - Elementary Classroom Visual Art (3)
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- MUS 400 - Elementary Classroom Music (3)
- TA 400 - Creative Drama for the Elementary Classroom (3)

## Physical Education and Health (8 Units)

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- KIN 150 - Fitness and Wellness in Contemporary Society (4)
- KIN 420 - Development of Physical Activity (3)
- PH 457 - Health Education for Elementary School Teachers (1)

## Human Development (12 Units)

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- CHDV 140 - Child Development (4)
- CHDV 343 - Child and Adolescent Cognition (4) **also listed as**
- PSY 343 - Child and Adolescent Cognition (4)
- CHDV 350 - Social and Emotional Development (4)  
or
- SOC 322 - Socialization: Childhood and Adolescence (4)

**Total Common Core Units Required= 112**

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## Option II- (BA with Post Baccalaureate Credentials) Mexican-American Studies, Child Development, Liberal Studies (180 Units)

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### Courses for Completion of GE Requirements

#### BA Mexican-American Studies -Traditional- (20 Units)

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- *Block C* - select two courses from Block C (no C1) (8)
- *Upper division GE theme* (12)
- *Diversity requirement* - if not met with the above courses, select 2 Diversity courses from General Education program

#### BA Child Development -Traditional- (20 Units)

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- *Block C* - select two courses from Block C (no C1) (8)
- *Upper division GE theme* (12)
- *Diversity requirement* - if not met with the above courses, select 2 Diversity courses from General Education program

#### BA Liberal Studies -Traditional- (20 Units)

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- *Block C* - select one course from Block C (no C1) (4)
- *Block D* - select one course from Block D (no HIST) (4)
- *Upper division GE theme* (12)
- *Diversity requirement* - if not met with the above courses, select 2 Diversity courses from General Education program

## Blended Option III (BA Degree and Credential) Mexican-American Studies, Child Development, Liberal Studies, Urban Learning (198 Units)

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### Note:

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A 2.75 in required in the last 90 units for entry into the blended options upon transfer.

## Teacher Preparation Programs and Teaching Credentials: Basic Information on Undergraduate Preparati

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Students interested in pursuing a career in education at the elementary or secondary school level may complete a variety of baccalaureate degrees that will make them eligible to work in private schools or that will allow them to apply for a credential that will make them eligible to work in a public school. Cal State L.A. has been approved by the State of California to prepare students for the following credentials: Multiple Subject Teaching Credential; Single Subject Teaching Credential; Educational Specialist Credential; Administrative Services Credential; Clinical Rehabilitative Services Credential; Health Services Credential; and, Pupil Personnel Services Credential.

For students interested in obtaining a Multiple Subject Teaching Credential, Single Subject Teaching Credential, or Education Specialist (Special Education) Credential appropriate degree programs are listed below. Interested students should consult advisers in both the appropriate academic department and the Charter College of Education.

The Multiple Subject Teaching Credential authorizes holders to teach in preschool and kindergarten, grades 1-12, and adult education classes in self-contained classrooms in which all subjects are taught. University internship credential programs are also offered in cooperation with many surrounding school districts.

The Single Subject teaching credentials authorize holders to teach in preschool and kindergarten, grades 1-12, and adult education classes in departmentalized classrooms.

The Educational Specialist Credential authorizes holders to work with students with special needs in preschool and kindergarten, grades 1-12, and adult education.

### Elementary Subject Matter Teacher Preparation Options for the Multiple Subject Teaching Credential

Students who wish to complete an elementary subject matter preparation program for the Multiple Subject Teaching Credential may choose one of four programs that have been approved as Elementary Subject Matter Teacher Preparation Programs on this campus. They must complete all general education, major, and other graduation requirements for the degree in addition to the credential requirements. Consult a faculty adviser in your major department for further information.

Elementary Subject Matter Teacher Preparation programs for the Multiple Subject Teaching Credential or the Education Specialist Credential are available in the following undergraduate degrees:

- Child Development, B.A.
- Liberal Studies, B.A.
- Mexican-American Studies, B.A.
- Urban Learning, B.A.

### Subject Matter Preparation for the Single Subject Credential

Candidates for the California Single Subject teaching credential must verify subject matter competence in their designated teaching field by one of the following methods:

1. completing an approved academic program of course work (or its equivalent) in the selected subject-matter area, or
2. passing the required examination(s) for the subject matter area in which the credential is sought.\*

\*This option is not available for Physical Education. Please consult the School of Kinesiology and Nutritional Science.

Each of the following degree programs (within the exception of Kinesiology as noted above) has been approved by the CCTC for waiver of the subject area examination for the credential indicated.

Areas of Authorization	Degree Program
Art	Art, B.A.
English	English B.A.
Language Other Than English,	French B.A
Language Other Than English	Japanese, B.A.
Language Other Than English	Spanish, B.A
Mathematics	Mathematics, B.A., B.S.

Music	Music, B.A.
Physical Education	Kinesiology, B.S.
Science: Biological Science	Natural Science, B.S.
Science: Chemistry	Natural Science, B.S.
Science: Geoscience	Natural Science, B.S.
Science: Physics	Natural Science, B.S.
Social Science	

## Education Specialist Credential Programs

The approved program at California State University, Los Angeles includes the following programs:

- Internship Credentials in Special Education
- Level I or Preliminary Credentials
- Level II or Professional Specialist Credentials
- Programs that combine a Specialist with a Multiple or Single Subject Credential
- Specialist Program combined with a Master of Arts degree in Special Education

The Education Specialist Credential Programs are also approved by the Commission on Teacher Credentialing to include English Learner Authorization. The following is a list of Education Specialist Credential program areas. The student must also read the advisement material of the Division of Special Education and Counseling and must consult with a faculty adviser.

**Early Childhood Special Education:** Preparation to work with infants and young children birth-pre-K with disabilities or at-risk, and their families.

**Mild/Moderate Disabilities:** Preparation to teach students K-12 with mild/moderate learning disabilities, mental retardation, and emotional/behavioral disabilities within the full range of placement options.

**Moderate/Severe Disabilities:** Preparation to teach students K-12 with moderate/severe disabilities, mental retardation, emotional/behavioral disabilities and multiple disabilities within the full range of placement options.

**Physical and Health Impairments:** Preparation to teach students birth – 22 years with orthopedic disabilities and other serious health impairments, traumatic brain injury, and multiple disabilities within the full range of placement options.

**Visual Impairments and Blindness:** Preparation to teach students birth-22 years who are blind or who have low vision, including students with additional disabilities within the full range of placement options.

*Note: Candidates are responsible for examinations required by the State of California and may consult the California Commission on Teacher Credentialing website at [www.ctc.ca.gov](http://www.ctc.ca.gov) or consult with an advisor for current policies.*

## Other Specialist Program Areas:

**Adapted Physical Education Credential:** The Adapted Physical Education Specialist Credential meets the subject matter requirements and entitles the holder to teach adapted physical education in California to individuals between the ages of 3 and 21 years who have exceptional needs.

**Clinical Rehabilitative Services Credential:** The Clinical Rehabilitative Services Credential with authorizations in Audiology, Language, Speech and Hearing (Special Class Authorization Option), and Orientation and Mobility for the Blind and Visually Impaired training prepares individuals to work with children and adults who have disabilities that necessitate this type of training.

**Health Services Credential: School Nurse:** This program qualifies nursing professionals for employment as school nurses in California public schools.

**Reading/Language Arts Credential:** The Reading/Language Arts Credential is designed for teachers who wish to become reading and language arts specialists in public or private schools and clinics in California.

## Supplementary Authorizations

The holder of a multiple subject or a single subject teaching credential issued by the California Commission on Teacher Credentialing may have one or more of the subjects commonly taught in departmentalized classes added to the credential as a supplementary authorization by verifying completion of the requirements specified in Title 5, California Code of Regulations, 80057.5, or 80089, 80089.1, and 80089.2. Supplementary authorizations cannot be issued in any subject that falls within the statutory single subject category of an applicant's single subject teaching credential.

Contact the Office for Student Services in the Charter College of Education (KH D2078) for information concerning the specific requirements for subjects approved for supplementary authorization and the procedure to apply to the Commission.

Information about additional credential programs appears on the **Graduate and Postbaccalaureate Study: General Information** page.

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## Academic Support Programs



- Center for Environmental Analysis-Centers for Research Excellence in Science and Technology (CEA-CREST)
  - Health Careers Advisement Office (HCAO)
  - Louis Stokes Alliance for Minority Participation (LSAMP)
  - Minority Access to Research Careers (MARC)
  - Minority Biomedical Research Support Program (MBRS)
  - MESA Engineering Program (MEP)
  - Students Learning in Communities (SLC)
  - Computing Facilities
  - Open Access Laboratories
- 

## University Learning Services

### Academic Advisement Center

The University Academic Advisement Center, located in the Library, Palmer Wing 1040A, provides General Education advisement and academic advisement and other related services for undergraduate students who have not declared a major. Special attention is given to general education, introduction to higher education courses (UNIV 101 and UNIV 301), electives, and selection of an academic major. Walk-in requests are honored, depending on staff availability, but students are encouraged to make an appointment by calling the center at (323) 343-3150.

### University Testing Center

The University Testing Center provides testing services and assistance to all incoming and continuing Cal State LA students. Services range from administering standardized state, national, and professional examinations, to offering departmental placement exams in Math, and Chemistry. Some of the exams administered by the Center include the American College Test (ACT), Scholastic Aptitude Test (SAT), Writing Proficiency Examination (WPE), Graduate Record Exam (GRE), and the Medical College Admissions Test (MCAT). All incoming undergraduates who are required to take the English Placement Test (EPT) and Entry Level Mathematics (ELM) test after admission may register for one of the eleven exam dates offered every year. The testing dates are available at the Testing Center or on the university website at [www.calstatela.edu/centers/testctr](http://www.calstatela.edu/centers/testctr). The following website will provide additional information regarding EPT/ELM: [www.ets.org](http://www.ets.org) The Center also has information bulletins available for students on many national and local testing programs.

The Testing Center provides students with information specific to university registration holds related to the EPT, ELM and the WPE. The Testing Center is the office responsible for enforcing registration holds for students who are out of compliance with any of these requirements. **Students who have a current EPT, ELM or WPE hold should contact the University Testing Center for information and assistance.** The University Testing Center is located in the JFK Library, Palmer Wing, Room 2098. For more information, please call (323) 343-3160.

### University Tutorial Center

The University Tutorial Center, located in the Library, Palmer Wing 1039, offers individual and group tutoring for many general education and other undergraduate courses. Trained peer tutors guide and assist students to develop content area knowledge and skills. The University Tutorial Center also offers study skills workshops that cover such topics as time management, note-taking, textbook reading, and test-taking to guide and assist students to become confident, effective, independent learners. For more information, call (323) 343-3971.

### University Writing Center

The University Writing Center (UWC), located in the Library, Palmer Wing 2097, provides individual and group tutoring, writing workshops, and other services to meet the writing needs of undergraduate and graduate Cal State L.A. students. Writing tutors are trained to provide constructive feedback and to assist students in recognizing and overcoming their writing problems. Tutors help students to plan, revise, and find patterns of error within their essays. Writing workshops are offered on a variety of topics such as Organizing your Essay, Research Writing, and Timed Essay Writing. The Center also provides Writing Proficiency Examination (WPE) services for students, including orientation meetings, WPE preparation workshops,

and tutoring. WPE consultants are available to meet with students who have previously taken the WPE, but have not passed. Consultants will review the students' exam essays and provide strategies and recommendations. Students with a WPE-related registration hold should call the Writing Center for information about a WPE contract.

The Center offers Conversation Groups for students whose first language is not English. These casual conversation groups meet at various times throughout the week, are staffed by UWC tutors, and provide students with an excellent opportunity to practice their English conversation skills in an informal setting.

Computers are available to students who use the services of the UWC. However, all students must have a campus NIS account to access any computer station.

The University Writing Center is open to all Cal State L.A. students. For more information or to schedule an appointment, call (323) 343-5350 or visit our Website at [http://www.calstatela.edu/centers/write\\_cn/](http://www.calstatela.edu/centers/write_cn/).

## ***Center for Environmental Analysis-Centers for Research Excellence in Science and Technology (CEA-CREST)***

CEA-CREST aims to conduct innovative environmental research and to increase the number of students from underrepresented backgrounds entering careers in the environmental sciences. The program fosters superb educational experiences by employing graduates and undergraduates in multi-disciplinary research teams tackling significant environmental problems and led by outstanding faculty researchers. Teams work on campus and at sites across the globe. CEA-CREST provides generous financial stipends for students, plus funds for travel to and research. For further information, contact the CEA-CREST office at (323) 343-5799, e-mail [ceacrest@calstatela.edu](mailto:ceacrest@calstatela.edu), or Website <http://cea-crest.calstatela.edu>.

## ***Health Careers Advisement Office (HCAO)***

In general, students planning to enter a school of dentistry, medicine, optometry, pharmacy, podiatry, or veterinary medicine should elect a major related to their own interests and include appropriate science courses as part of their major, general education, or electives. Medical schools expect students to show proficiency in English, mathematical reasoning, and fundamentals of physical and biological sciences. Some medical schools also require work in the social sciences, humanities, and a foreign language. Most expect completion of a baccalaureate program. The advisory staff serving pre-professional students in medical and related health fields includes two appointed health science advisers and a supporting group of faculty members in the departments of Biological Sciences, Chemistry and Biochemistry, Physics and Astronomy, and Psychology. Medical sciences advisement and recommendations are coordinated through the Health Careers Advisement Office (HCAO) in BS 106, 110, (323) 343-6062. Students planning careers in these areas should visit the office for guidance about programs and application procedures, irrespective of their declared major. The staff has prepared a number of brochures that answer most of the students' initial questions about the various health science careers. The center also contains current catalogs for every health science professional school in the United States as well as information about foreign schools, financial aid, and alternative careers.

## ***Louis Stokes Alliance for Minority Participation (LSAMP)***

LSAMP is a comprehensive, statewide program dedicated to increasing the number of students from underrepresented minority groups (URM) graduating from campuses of the California State University with baccalaureate degrees in science, engineering, and mathematics (SEM) disciplines. It is funded by the National Science Foundation. Initiated in 1994, the CSU-LSAMP Alliance currently consists of 19 campuses of the California State University (CSU), each of which is partnered with at least one California Community College (CCC). In Phase III, a new emphasis has been placed on activities designed to enhance graduate school preparedness of upper division students.

CSU, Los Angeles is partnered with East Los Angeles College and Pasadena City College and currently has the largest LSAMP program with over 700 students participating each year. Eligible majors are biochemistry, biology, chemistry, civil engineering, computer science, electrical engineering, geology, mathematics, mechanical engineering, microbiology, other engineering, and physics. Activities include summer and academic year (AY) workshop to enhance performance in specific math and science courses; AY or summer SEM research experiences; AY or summer internships; GRE preparation workshops; participation in scientific and professional conferences; graduation application assistance; graduate school application assistance; and participation in the CSU-LSAMP Scholars Program.

For further information about the LSAMP program and application forms, contact Dr. Margaret Jefferson, LSAMP Coordinator, Department of Biological Sciences, (323) 343- 2059 or [lsamp@calstatela.edu](mailto:lsamp@calstatela.edu).

## ***Minority Access to Research Careers (MARC)***

The MARC Honors Undergraduate Research Training Program trains up to 10 academically accomplished (B or higher grade point average) natural and behavioral science juniors and seniors who can compete successfully for entry into graduate programs leading to the Ph.D. in the biomedical sciences or an M.D.– Ph.D. degree.

Student fellows perform research under the direction of faculty who are engaged in biomedical research. A stipend is provided for each student fellow. In addition, the program provides payment of student registration fees, funds for research supplies, and a travel allowance for fellows to attend scientific meetings to present research papers. A participant's tenure in the program is two years for trainees entering as juniors and one year for those entering



as seniors.

For further information about the MARC program and applications forms, write or phone Dr. Carlos G. Gutiérrez, Director, MARC Program, Department of Chemistry and Biochemistry, (323) 343-2300.

## ***Minority Biomedical Research Support Program (MBRS)***

Designed to increase the pool of underrepresented minority biomedical scientists, the MBRS provides annual salaries for undergraduate and graduate students to participate in original research projects in collaboration with experienced faculty mentors.

Students are also given excellent opportunities to obtain experience in contemporary and sophisticated biomedical research, a seminar series presented by distinguished scientists, and travel to national and regional scientific meetings. For further information, contact the MBRS office at (323) 343-2395.

## ***MESA Engineering Program (MEP)***

MEP's goal is to increase the number of engineering and computer science majors. MEP provides support by building its students into a high-achieving academic community. MEP services include scholarships, counseling, advising, an orientation course, a study center, study groups, employment assistance, and pre-professional career development through student organizations. MEP students learn to work cooperatively in a supportive environment. For further information, contact the MEP office, E&T A409, or call (323) 343-4527.

## ***Students Learning in Communities (SLC)***

Students Learning in Communities (SLC) is a learning community program that offers exciting academic courses and social activities, to cohort groups of students, and is designed to enhance the academic and social experiences of CSULA students. Developmental learning communities are available to first-time freshman who need to complete a sequence of developmental math and English courses in preparation for college-level study. Thematic General Education learning communities link two or more GE courses in the same quarter and are open to students fulfilling General Education requirements. For further information, contact the SLC Office, Library, Palmer Wing 1040A, (323) 343-3184.

## ***Computing Facilities and Services***

Cal State L.A. provides the latest information technology resources to students, faculty and staff. Students have access to 217 electronic classrooms with networked computers, five student Open Access Labs, three training labs and many other "smart" rooms. Students also have access to a variety of state-of-the-art, campus-provided computers with more than 200 software packages, applications and plug-ins, including the latest web browsers. The campus wide wireless network (802.11a/b/g/n) provides anytime network access to University and Internet resources for laptops, iPads, smart phones and other electronic devices. Access is available inside all classroom buildings and from all outside areas where seating is available.

myCSULA Identity is an online self-service offering many features designed to improve service and accessibility to information. This self-service automatically creates new network/e-mail accounts, issues new accounts and passwords online, resets passwords online and reduces the sign-on to GET, GETLA and other campus systems. myCSULA Portal recognizes each user's myCSULA Identity and opens access to e-mail, WebCT, Moodle, electronic Library resources, systems and targeted announcements based on the user's University role. myCSULA Community enables faculty, administrators and campus group leaders to create their own communities of interest to share ideas and information.

The walk-up ITS Help Desk is available five days a week to assist students, faculty and staff with computer and network related problems: phone support is available after hours.

## ***Open Access Lab (OAL)***

Open Access Labs are available to students during daytime, evening and weekend hours. The labs are staffed by qualified student technology assistants who answer questions and provide assistance. The five OALs provide student access to a variety of services including: use of Windows and MAC computers; printing; informal lounge environment with wireless access. In addition, three of the labs also have smart rooms, which have the same equipment as the electronic classrooms, allowing students to practice their presentations. There are also group study rooms in these three labs that allow students to work on collaborative projects within the lab setting.

Further information about the Open Access Computer Labs can be obtained by visiting the computer lab website at <http://www.calstatela.edu/oal>

## ***ITS Training Services***

ITS training services offer a wide variety of software application training resources ranging from hands-on workshops, online YouTube and iTunesU videos and informational handouts. More information on training is available at <http://www.calstatela.edu/its/training>.

## ***ITS Help Desk***

ITS Help Desk provides the campus community with friendly one-on-one technical assistance including support of campus e-mail, wireless Internet

access, telecommunications and more. Additional information, including hours of availability for both walk up and phone service are available at <http://www.calstatela.edu/its/helpdesk>.



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## Preprofessional Study

- Health-Related Programs
- Law
- Librarianship
- Physical Therapy

Students who wish to prepare for professional study in engineering and the natural sciences, as well as the fields of law, librarianship, or medicine and health sciences will find specialized counseling and advisement at Cal State L.A. Such preprofessional advisement is separate from and in addition to major program advisement. Students are urged to consult current catalogs of professional schools available in the Reference Room of the Library for specific requirements, or to contact the advisement offices named below.

### Health-Related Programs

Cal State L.A. offers a wide range of programs in health and health-related fields. These programs have a strong clinical and field placement component at several leading health care facilities and clinics in the metropolitan area to prepare graduates to enter the health field as professionals. Additional information is available from the Coordinator of Health-Related Programs, Biological Sciences 125, (323) 343-2035. Programs and the departments, divisions, and schools that offer them include:

Program	Department or Division	Phone Area Code (323)
Audiology	Communication Disorders	343-4690
Dietetics	Kinesiology and Nutritional Science	343-4650
Exercise and Human Performance	Kinesiology and Nutritional Science	343-4650
Health Care Management	Management	343-2895
Health Science	Health Science	343-4740
Microbiology	Biological Sciences	343-2050
Nursing	Nursing	343-4700
Nutrition	Kinesiology and Nutritional Science	343-4650
Physical Education for Exceptional Individuals	Kinesiology and Nutritional Science	343-4650
Physical Therapy Advising	Kinesiology and Nutritional Science	343-4650
Preprofessional Program for Medicine, Dentistry, Optometry, Pharmacy, Podiatry and Veterinary Medicine	Health Science Advisement Office	343-4248
Rehabilitation and Therapeutic Exercise	Kinesiology and Nutritional Science	343-4650
Rehabilitation Counseling	Special Education and Counseling	343-4250
Social Work	Social Work	343-4680
Special Education	Special Education and Counseling	343-4400
Speech-Language Pathology	Communication Disorders	343-4690

### Law

Students considering a career in law may select from a broad range of majors. Law schools are interested in students' knowledge of human institutions and values and their critical thinking, analytical writing and communication skills. There is no preferred major or course of study at the baccalaureate level. The major should be chosen based upon the student's interest since a good academic record in a rigorous course of study is more important for

admission to law school than the major. Students should be mindful that not everyone is accepted to an accredited law school. Thus, a consideration in selecting a major should be alternative career paths in the event that one is not admitted or changes career goals.

As part of the range of majors offered at Cal State L.A., most of which are acceptable for law school admission, there are four options which are specified as prelegal. They are the Prelegal option in the Bachelor of Arts degree in Political Science, the Business Arts-Prelegal option in the Bachelor of Science degree in Business Administration, the Prelaw option in the Bachelor of Arts degree in Philosophy and the Law and Society option in the Bachelor of Arts degree in Sociology. Three additional choices are the Prelaw minors offered by the Department of Philosophy, the Department of Political Science, and the Law and Society Minor offered by the Department of Sociology.

Prelegal advisement is available in the Departments of Finance and Law, Philosophy, Political Science and Sociology. Students interested in a career in law, regardless of major, are encouraged to consult with any of these departments on choice of major and expectations of law schools.

Prelaw students are expected to take the Law School Aptitude Test (LSAT) in the fall quarter of the year preceding their anticipated admission to law school. Application forms may be obtained during the Spring Quarter in the Political Science department office.

## Librarianship

The field of librarianship provides careers with diverse opportunities and room for personal and professional growth. The information field is growing, and the work of librarians is expanding to keep pace. Every day librarians sift through clues, uncover facts, and help people weave knowledge from threads of information. A variety of majors across all the colleges of the university can prepare students to pursue a graduate program in Library Science.

Many libraries also have support and paraprofessional positions that do not require a library science degree but offer valuable experience for someone interested in pursuing work in libraries. For more information, write to Library Careers, ALA/OLPR, 50 East Huron Street, Chicago, Illinois 60611.

## Physical Therapy

The School of Kinesiology and Nutritional Science ([schoolkns@calstatela.edu](mailto:schoolkns@calstatela.edu), (323)-343-4650) may be contacted for advisement about undergraduate course work and other requirements for admission to graduate degree programs in physical therapy. Physical therapists evaluate, treat and educate people with the goal of restoring, maintaining, and improving their muscular strength, musculoskeletal flexibility, and neuromuscular coordination. They work in medical, health, and educational settings. Admission criteria usually include specified undergraduate course work completed with an acceptable grade point average, and a specified number of hours of paid or volunteer work in physical therapy settings. Students are urged to look closely at the particular admissions requirements of the colleges to which they plan to apply.

A complete listing of colleges and universities offering graduate degrees in physical therapy is available at the website of the American Physical Therapy Association [www.apta.org](http://www.apta.org), or write the organization at 111 North Fairfax Street, Alexandria, VA 22314; phone (703)-684-APTA.

## Undergraduate Credit Certificate Programs



- Accounting
- Alcohol and Drug Problems Specialist
- Alternative Nutrition
- Applied Gerontology
- Child Maltreatment and Family Violence
- Computer Programming
- Entrepreneurship
- Fashion Design
- Fashion Merchandising
- Finance
- Fire Protection Risk Analysis and Reduction
- Fire Service Administration
- General Management
- Geographic Information Systems
- Human Resources Management
- Intercultural Proficiency
- International Business
- International Business Communication
- International Economic Relations
- Labor Relations
- Marketing
- Operations Management
- Retail Professional Development
- Sports Nutrition
- Transportation (Commercial)
- Youth Agency Administration

Certificate programs are designed to augment University curricula by providing specialized instruction and training within a field. These programs usually require significantly fewer units than a degree major. An undergraduate credit certificate program must contain a minimum of 24 quarter units and a graduate level program, 16 units. Normally, courses in certificate programs will be upper division or graduate level, except for prerequisites. Students may transfer from another institution no more than one quarter of the total units required for a certificate (75% of the course work must be completed at Cal State L.A.). A maximum of one quarter (25%) of the total units required for a certificate may be devoted to internships or independent study, or a combination of both. The minimum grade point average required for completion of an undergraduate credit certificate program is C (2.0), and for postbaccalaureate certificates, B (3.0). These grade point average requirements do not pertain to noncredit certificate programs. A Certificate of Completion is awarded upon successful completion of the program requirements. Some certificates are offered within degree majors and can be applied toward a baccalaureate or a master's degree; others are offered through the College of Extended Studies and International Programs with the certificate being the main goal.

Cal State L.A. offers the following credit certificate programs that are open to qualified undergraduate students. Additional postbaccalaureate and graduate level programs are listed in the **Graduate and Postbaccalaureate Study** chapter. Individual certificate program requirements and required courses appear in the program listings of the academic departments, divisions, schools and colleges that offer them.

### Accounting

Offered by the Department of Accounting, (323) 343-2830, the program is designed to provide an organized series of courses in accounting for students in other majors who wish to qualify to take a professional accounting examination, to meet civil service educational requirements for employment as a professional accountant or auditor, or to acquire the skills needed for employment as a professional accountant in private industry.

### Alcohol and Drug Problems Specialist

Offered by the Department of Health Science, (323) 343-4740, the certificate prepares students to work in community agencies involved with alcohol and/or drug related problems. Applicable toward degree programs in health science.

### Alternative Nutrition

Offered by the School of Kinesiology and Nutritional Sciences, (323) 343-4650, this program may be taken by coordinated dietetics and nutritional science students in upper division standing. Health professionals in such disciplines as dietetic technician, health science, nursing, medicine, pharmacy, dentistry, biology and chemistry would also find this program useful.

## Applied Gerontology

Offered by the College of Health and Human Services through the Applied Gerontology Institute, (323) 343-4724, this program is designed to enhance the preparation of individuals enrolled in courses or working in health-related disciplines to exercise their effectiveness as practitioners with older populations, particularly ethnic minorities. The program includes instruction about aging in several domains: biological, social/psychological, and policy-social services.

## Child Maltreatment and Family Violence

Offered by the College of Health and Human Services, (323)343-4696, the program provides individuals from various disciplines with expanded knowledge and formalized education in the area of child abuse and domestic violence, training and field experience in serving this population, and opportunities to qualify for career positions in which multidisciplinary training is required or essential.

## Computer Programming

Offered by the Department of Information Systems, (323) 343-2983, the program is designed to prepare individuals for entry level computer programmer positions. Courses in COBOL programming are required and other programming languages may be studied as electives. Applicable toward the baccalaureate in Business Administration. Also available through the College of Extended Studies and International Programs, (323) 343-4900, for nonmatriculated students.

## Entrepreneurship

Offered by the Department of Marketing, (323) 343-2960, the program is designed to prepare students and business people for careers in small companies: starting companies, managing small businesses, and working in small businesses. The program includes instruction about how to take a product or service from the idea stage through the introduction and growth stages and how to successfully manage the business. A focus may be taken in retailing, marketing of services and products, consulting, accounting, finance, or entrepreneurship.

## Fashion Design

Offered by the Department of Art, (323) 343-4010, The department offers a certificate program in Fashion Design that prepares individuals for career positions in fashion design. The program includes technical methods, theory, and creative concepts. A total of 42 units is required for completion of the certificate program, as outlined below.

## Fashion Merchandising

Offered by the Department of Art, (323) 343-4010, The department offers a certificate program in Fashion Merchandising that prepares individuals for career positions in the fashion industry. The program includes technical information, theory, and creative concepts. A total of 40 units is required for completion of the certificate program, as outlined below. Refer to the **Undergraduate Study: General Information** chapter of this catalog for general regulations governing all certificate programs.

## Finance

Offered by the Department of Finance and Law, (323) 343-2870, the program is designed to prepare individuals who hold or are pursuing a bachelor's degree in a field other than finance for entry into careers in corporate finance, money management, investment banking, and commercial banking.

## Fire Protection Risk Analysis and Reduction

Offered by the Department of Technology, (323) 343-4550, the program offers students and individuals in the insurance industry and in private sector fire protection positions a series of professionally related courses in fire protection and fire safety. The program prepares individuals to serve as fire protection and safety specialists, inspectors, evaluators, and managers. Applicable toward the baccalaureate in fire protection administration and technology.

## Fire Service Administration

Offered by the Department of Technology, (323) 343-4550, the program offers fire department personnel who hold an associate degree an opportunity to continue their knowledge and formalized education in the elements of effective modern fire department functioning. Course work covers planning, prevention and disaster administration, public administration, and personnel and budgeting administration. Applicable toward the baccalaureate in fire protection administration and technology.

## **General Management**

Offered by the Department of Management, (323) 343-2890, the certificate program is designed to prepare nonmanagement option Business Administration Majors and nonbusiness students for employment in a general management position, and to provide working and professional people the general management knowledge necessary for rapid career advancement.

## **Geographic Information Systems**

Offered by the Department of Geography and Urban Analysis, (323) 343-2220, the program provides an analytical as well as a practical approach to the design, layout, and graphics needed in constructing and managing geographic information systems.

## **Human Resources Management**

Offered by the Department of Management, (323) 343-2890, the certificate program is designed to prepare nonmanagement option Business Administration Majors and nonbusiness students for employment in human resources management positions, and to provide working and professional people the human resources management knowledge necessary for rapid career advancement.

## **Intercultural Proficiency**

Offered by the College of Health and Human Services through the School of Kinesiology and Nutritional Science, (323) 343-4650, the Intercultural Proficiency Certificate Program is designed to increase students' abilities to communicate and interact effectively within our increasingly multicultural living and working environment. Achieving intercultural proficiency is a personal dynamic and developmental journey. The overall goal of the program is to prepare our students to be change agents with the knowledge and skills that will enable organizations and institutions to accept, value and honor diversity.

## **International Business**

Offered by the Department of Marketing, (323) 343-2960, the program prepares students for careers in firms operating on a multinational basis; for careers in import-export, international finance and banking, and international agencies; and for the Commerce Option of the Foreign Service Officer Examination with the federal government, and provides training for managers of internationally oriented companies in the Los Angeles area. Applicable toward the baccalaureate in Business Administration. This certificate program is also available through the College of Extended Studies and International Programs, (323) 343-4900, for nonmatriculated students.

## **International Business Communication**

Offered by the Department of Marketing, (323) 343-2960, this certificate program affords the opportunity to combine language, culture, and communication and business knowledge. The program will give business degree students a chance to add language and intercultural expertise, along with enhanced communication skills, to their program of study. At the same time, it will give language degree students, communication studies students, or area studies students a chance to add business courses to their program of study and obtain a certificate. The certificate will enable students to pursue careers in organizations that want both recognized language skills and business training, such as international businesses, international foundations, non government organizations (NGOs), and international educational organizations. The language, culture and communication components will also benefit students who obtain jobs in local organizations whose employees represent multiple cultures.

## **International Economic Relations**

Offered by the Department of Economics and Statistics, (323) 343-2930, the Certificate Program in International Economic Relations will benefit students to better understand the economic and political factors that influence the global economy. The certificate will help students pursuing careers in federal or state agencies dealing with international affairs, corporations involved in international business and finance, and in international organizations, foundations, and nongovernment agencies.

## **Labor Relations**

Offered by the Department of Economics and Statistics, (323) 343-2930, the Certificate Program in Labor Relations is designed to strengthen the skills of students interested in labor relation careers and improve access to career opportunities for administrators, mediators, arbitrators, and government labor officials.

## **Marketing**

Offered by the Department of Marketing, (323) 343-2960, the program is designed to prepare students in majors other than business for professional careers in marketing in profit or nonprofit organizations. Students may select a focus in marketing management, advertising, public relations, marketing

research, retailing, direct response marketing, international marketing, transportation, or financial service marketing. Applicable toward degree programs in business administration. Also available through the College of Extended Studies and International Programs, (323) 343-4900, for nonmatriculated students.

## Operations Management

Offered by the Department of Management, (323) 343- 2890, the certificate program in operations management is designed to prepare non-management option business students and non-business students for employment in an operations management position, and to provide working and professional people with the operations management knowledge necessary for rapid career advancement.

## Retail Professional Development

Offered by the Department of Marketing, (323) 343-2960, in conjunction with the Institute of Retail Management, the program is designed to provide the skills required for executive positions in the retail industry and to prepare individuals to become successful entrepreneurs in their own retail business. Available through the College of Extended Studies and International Programs, (323) 343-4900, for nonmatriculated students.

## Sports Nutrition

Offered by the School of Kinesiology and Nutritional Science, (323) 343-4650, the program is designed to provide students in health related disciplines information about diet and sports/exercise for healthy living. Students planning a health related career would benefit by gaining the breath of knowledge and skills this certificate provides.

## Transportation (Commercial)

Offered by the Department of Marketing, (323) 343-2960, the program is designed for individuals intending to pursue a career or enhance their advancement potential in the field of industrial traffic and transportation or carrier operation. Applicable toward the baccalaureate in business administration.

## Youth Agency Administration

Offered by the College of Health and Human Services through the School of Kinesiology and Nutritional Science, (323) 343-4650, the program is designed to prepare professionals for careers in non-profit management. Applicable toward baccalaureate programs.



## Recognition of Academic Excellence

- Honors at Entrance
- Dean's List
- Graduation with Honors
- Departmental Honors Programs
- National Honor Societies
- Career Placement Information

Cal State L.A. recognizes superior academic achievement by conferring honors upon students with outstanding records at an annual spring Honors Convocation and at the annual Commencement Exercises in June.

Recognition is accorded at the annual Honors Convocation to undergraduate students placed on the Dean's List, those who were awarded Honors at Entrance and members of the General Education Honors Program,. Students receiving Special Recognition in Graduate Studies are also honored. Also recognized at the Honors Convocation are recipients of academic scholarship awards and juniors and seniors elected to membership in national honor societies. The requirements for Honors at Entrance, Dean's List, and Certificate of Honor and Special Recognition in Graduate Studies awards are as follows:

### ***Honors at Entrance***

First-time freshmen who enter with a grade point average of 3.5 or higher on their high school record.

### ***Dean's List***

Undergraduate students who earn a 3.4 grade point average or higher for a quarter in which they complete 12 or more units of traditionally graded course work and who rank in the upper five percent of students in academic achievement within their college. The preceding eligibility criteria also apply to graduate students seeking a second or subsequent baccalaureate. Students will not be added retroactively to the Dean's List on the basis of completion of work in which the original grade was IC (Incomplete).

### ***Graduation with Honors***

Baccalaureate graduates of Cal State L.A. who maintain an outstanding scholarship record while earning the degree receive special recognition upon graduation. Ten percent of the graduates in each college will receive honors: the top 1% will receive summa cum laude, the next 4% will receive magna cum laude, and the next 5% will receive cum laude. These percentages will be calculated only once for each academic year. The academic year is defined as summer, fall, winter, and spring quarters. At the beginning of each summer quarter, grade point average requirements for graduation with honors will be set by the Registrar's office. These averages will be determined for each college by applying existing policy to students who have graduated during the past three years.\* During the following four quarters (summer, fall, winter, spring) all students attaining these minimum grade point averages will be awarded the corresponding honors at graduation independent of how many students received such honors. Special majors will be included in the competition pool for honors at graduation computation in the college in which they have earned the most units toward their special major. Rehabilitation services majors in the Charter College of Education will be included in the College of Health and Human Services for competition for honors at graduation. Students pursuing an advanced degree or a teaching credential are not eligible for such honors.

\*Detailed method: The Registrar will look at grade point averages for every student who graduated in a particular college during the past three years. The percentage cutoffs in the current policy (i.e., 1% for summa cum laude, 4% for magna cum laude and 5% for cum laude) will be applied to this combined group to determine grade point average cutoffs for each school.

### ***Departmental Honors Programs***

Further recognition of academic excellence is accorded through Cal State L.A.'s departmental honors programs, offered presently in anthropology, biology, chemistry, child development, physics, and sociology. Students who maintain a superior grade point average and have faculty recommendation are permitted to enroll in an honors program in their elected major. Considerable freedom is provided students and their advisers in designing enriched

programs of study. This may include deviation from traditional course patterns to permit additional work in subjects related to the major, more intensive study in subject areas of special interest, and participation in special colloquia, independent study, individual research, and honors theses.

Students who complete these honors programs receive citations of departmental honors on their transcripts and diplomas.

## National Honor Societies

Chapters of more than twenty national honor societies have been chartered at Cal State L.A. to accord recognition to students who demonstrate superior scholarship and leadership in academic areas. A specific minimum grade point average, ranging from 3.0 to 3.85, is required for initiation into each of these honor societies.

National Honor Society	Discipline(s)
Alpha Kappa Delta, Iota Chapter	Sociology
Alpha Tau Delta, Phi Chapter	Nursing
Beta Alpha Psi, Beta Lambda Chapter	Accounting
Beta Beta Beta, Epsilon Theta Chapter	Biological Sciences
Beta Gamma Sigma, Eta Chapter	Business
Chi Epsilon, Cal State L.A. Chapter	Civil Engineering
Delta Pi Epsilon, Beta Pi Chapter	Business Education
Epsilon Pi Tau, Alpha Psi Chapter	Technology
Eta Kappa Nu, Epsilon Nu Chapter	Electrical Engineering
Golden Key, Cal State L.A. Chapter	all academic disciplines
Kappa Delta Pi, Iota Phi Chapter	Education
Kappa Pi, Gamma Tau Chapter	Art
Omicron Delta Epsilon, Eta of California Chapter	Economics
Phi Alpha Theta, Eta Xi Chapter	History
Phi Beta Delta, Zeta Chapter	International scholars
Phi Delta Kappa, Campus Chapter No. 121	Education
Phi Kappa Phi, Cal State L.A. Chapter	all academic disciplines
Pi Delta Phi, Epsilon Nu Chapter	French
Pi Lambda Theta, Alpha Psi Chapter	Education
Pi Sigma Alpha, Gamma Omega Chapter	Political Science
Pi Tau Sigma, Sigma Kappa Chapter	Mechanical Engineering
Psi Chi, Cal State L.A. Chapter	Psychology
Sigma Delta Pi, Gamma Psi Chapter	Spanish
Sigma Theta Tau	Nursing
Tau Beta Pi, California Iota Chapter	Engineering

## Career Placement Information

The campus may furnish, upon request, information about the employment of students who graduate from programs or courses of study preparing students for a particular career field. Any such data provided must be in a form that does not allow for the identification of any individual student. This information includes data concerning the average starting salary and the percentage of previously enrolled students who obtained employment. The information may include data collected from either graduates of the campus or graduates of all campuses in the California State University system. Copies of the published information are available in the Cal State L.A. Office of University Admissions, Student Affairs 101.

## Graduate and Post-Baccalaureate Studies: General Information

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## List of Teaching Credential Programs

### Elementary Subject Matter Teacher Preparation Options for the Multiple Subject Credential or Education Specialist (Special Education)

#### *(For Students Interested in Obtaining a Degree Prior to Enrollment in a Credential Program)*

All Cal State L.A. students who enter an elementary subject matter preparation program for the Multiple Subject credential must complete a 112 unit common core as well as general education, major, and other graduation and credential requirements. A grid that contains the common core appears later in this chapter. These core courses also meet lower division general education requirements. (Refer to Lower Division General Education grid elsewhere in this chapter.) Consult a faculty adviser in your major department for further information.

**Elementary Matter Preparation Programs for the Multiple Subject or the Education Specialist Credential** are offered with the following undergraduate degrees:

- Child Development, B.A., Option II
- Liberal Studies, B.A.
- Mexican-American Studies, B.A.

### Blended Elementary Subject Matter Options.

#### *(For students interested in obtaining a bachelor's degree concurrently with their Multiple Subject Credential or Education Specialist Internship Credential)*

Students must complete a 198-unit program which includes specified university, general education, major, additional subject matter, credential and other graduation and credential requirements. A grid labeled Blended Elementary Subject Matter Option containing these core requirements appears later in this chapter. The following undergraduate degrees are available:

- Child Development, B.A., Option III
- Liberal Studies, B.A.
- Mexican-American Studies, B.A.
- Urban Learning, B.A.
- Education Specialist Credential Programs

The approved program at California State University, Los Angeles includes the following programs:

- Internship Credentials in Special Education
- Level I or Preliminary Credentials
- Level II or Professional Specialist Credentials
- Programs that combine a Specialist with a Multiple or Single Subject Credential
- Specialist Program combined with a Master of Arts Degree in Special Education

The following is a list of Education Specialist Credential program areas:

Early Childhood Special Education

Mild/Moderate Disabilities

Moderate/Severe Disabilities

Physical and Health Impairments

Visual Impairments and Blindness

### Other Specialist Credentials

Adapted Physical Education

Clinical Rehabilitative Services, Audiology, Language, Speech and Hearing (Special Class Authorization Option), and Orientation and Mobility for the Blind and Visually Impaired Health Services: School Nurse Reading/Language Arts

## Subject Matter Preparation Program for the Single Subject Credential

Candidates for the Single Subject teaching credential must verify subject matter competence in their designated teaching field by one of the following methods: 1) completing an approved academic program of coursework (or its equivalent) in the selected subject-matter area, of 2) passing the required examination(s) for the subject-matter area in which the credential is sought\*.

*\*This option is not available for Physical Education. Please consult the School of Kinesiology and Nutritional Science.*

Single Subject Authorized Area	Degree Program
Art	Art, BA
English	English, BA
English	Communication, BA
Language Other Than English	French, BA
Language Other Than English	Japanese, BA
Language Other Than English	Spanish, BA
Mathematics	Mathematics BA, BS
Music	Music, BA
Physical Education	Kinesiology, BS
Science: Biological Science	Natural Science, BS
Science: Chemistry	Natural Science, BS
Science: Geoscience	Natural Science, BS
Science: Physics	Natural Science, BS
Social Science	Social Science, BA

## Supplementary Authorizations

To accompany Single Subject or Multiple Subject Teaching Credentials:

The holder of valid multiple subject or a single subject teaching credential issued by the California Commission on Teacher Credentialing may have one or more of the subjects commonly taught in departmentalized classes added to the credential as a supplementary authorization by verifying completion of the requirements specified in Title 5, *California Code of Regulations*, 80057.5 or 80089, 8089.1, and 80089.2. Supplementary authorizations cannot be issued in any subject that falls within the statutory single subject category of an applicant's single subject teaching credential.

Contact the Charter College of Education Office for Student Services (KH D2078) for information concerning the specific requirements for subjects approved for supplementary authorization and the procedure to apply to the Commission.

## Services Credentials

### Administrative Services

Preliminary Administrative Services  
Professional Administrative Services

### Clinical-Rehabilitative Services

Audiology  
Language, Speech and Hearing  
Language, Speech and Hearing—Special Class Authorization  
Orientation and Mobility for the Blind and Visually Impaired

### Health Services—School Nurse

### Pupil Personnel Services

*(includes advanced specializations in School Counseling and in Child Welfare and Attendance Services)*  
School Counseling and Child Welfare and Attendance Services

School Counseling (internships available)  
School Psychology and Child Welfare and Attendance Services  
School Psychology (internships available)

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# General Graduate and Postbaccalaureate Information



## Introduction

Graduate study has been a major part of the academic commitment of Cal State L.A. since its founding. Students who are engaged in graduate and Postbaccalaureate study constitute approximately one fifth of the total student body.

Cal State L.A. offers Master of Arts and Master of Science degrees in a variety of majors, with opportunities for specialization through the selection of options or areas of emphasis within degree programs. Also offered are the Master of Biotechnology degree, Master of Business Administration degree, Master of Fine Arts degree in Art, Master of Fine Arts degree in Television, Film and Theatre, Master of Music, Master of Arts and Master of Science degrees with an Interdisciplinary Studies major, Master of Social Work, Doctorate in Education, and the Doctor of Philosophy degree in Special Education. The complete list of graduate degrees offered appears at the front of this chapter.

Postbaccalaureate students also pursue teaching credentials, certificate programs, and personal enrichment courses.

## Objectives of Graduate Study

Cal State L.A.'s graduate programs are coherent patterns of study designed for a level of academic accomplishment substantially beyond that required for the baccalaureate. Graduate programs enable students to progress in their chosen vocation, to assume positions of leadership, and to contribute to the advancement of their profession. Graduate study helps students to develop greater awareness of themselves in relation to other people and cultures, both present and past, and to gain a better understanding of their particular profession. Completion of a master's degree program at Cal State L.A. also prepares students for further graduate study appropriate to their abilities and ambitions.

## Organization of Graduate Study at Cal State L.A.

Graduate study at Cal State L.A. is organized and administered by each of the six Colleges within the University, with coordination provided by the Dean of Graduate Studies and Research.

This Graduate and Postbaccalaureate Study section of this catalog describes the requirements, regulations, and procedures for engaging in graduate study. General University regulations and procedures that apply to postbaccalaureate or graduate students, including the grading system and the determination of scholastic status, are explained in the **Procedures and Regulations** chapter earlier in this catalog. Admission requirements and procedures are explained in the **Admissions** chapter.

Requirements for admission, advancement to classified graduate standing and candidacy, and graduation described in this section apply to all advanced degree programs. Any additional requirements are stated in the descriptions of the individual programs.

Each department/division/school that offers graduate degree programs and/or credential programs has a principal graduate adviser as well as credential advisers (when applicable). These advisers' names and phone numbers appear each quarter in the *Schedule of Classes*, and students can make appointments to see them in their offices.

## Graduate Studies Directory

### Office of Graduate Studies and Research

Interim Dean of Graduate Studies and Research	Alan Muchlinski
Administration 710	(323) 343-3820
Associate Dean	Karin Elliott-Brown (Acting)
Administration 710	(323) 343-3820

### College Graduate Deans

College of Arts and Letters	
Associate Dean	David Connors (Acting)
Music 232	(323) 343-4004

College of Business and Economics

Associate Dean Edward Hsieh (Interim)  
Simpson Tower F124 (323) 343-2800

Charter College of Education  
Associate Dean Diane Fazzi (Acting)  
King Hall D2070 (323) 343-4303

College of Engineering, Computer Science, and Technology  
Associate Dean Don Maurizio  
Engineering and Technology A237 (323) 343-4510

College of Health and Human Services  
Associate Dean Eleanor Ferguson-Marshalleck  
Fine Arts 130 (323) 343-4600

College of Natural and Social Services  
Associate Dean Rennie B. Schoepflin  
ASC, Wing B, 223 (323) 343-5693

## Characteristics of Master's Degrees

Cal State L.A. offers the following master's and doctoral degrees: Master of Arts, Master of Biotechnology, Master of Business Administration, Master of Fine Arts, Master of Music, Master of Science, Master of Social Work, Doctor of Education, and Doctor of Philosophy. All master's and doctoral degrees require greater depth of study and increased demands on student intellectual or creative capacity than the baccalaureate. Characteristics of individual degrees are described below.

Specific information about admission requirements, curriculum, and graduation requirements for these programs is listed alphabetically by college and department/division/school in either the **Academic Programs: College-based and University-wide** chapter or in the **Academic Programs: Department, Division, and Interdisciplinary Program-based** chapter, both of which follow this chapter.

**The Master of Arts (M.A.)** degree provides a broadened cultural background in a recognized disciplinary field or improvement of professional competence.

**The Master of Biotechnology (MBt)** degree provides a program of professional preparation for both scientific and management positions in the biotechnology, medical device, and pharmaceutical industries.

**The Master of Business Administration (M.B.A.)** degree provides a program of professional preparation for management positions in business and industry.

**The Master of Fine Arts (M.F.A.)** degree in Art provides specialized training and education for artists and designers in design, computer graphics, painting and printmaking, sculpture, ceramics, textiles, and metalsmithing. The M.F.A. degree in Television, Film and Theatre prepares students for careers in performance/acting, production, and dramatic writing in the television, film and theatre industries. The MFA, along with extensive professional experience, also serves to prepare students to teach in these fields.

**The Master of Music (M.M.)** degree is a professional performance degree that prepares students for professional performance, for teaching in community colleges, and for advanced study.

**The Master of Science (M.S.)** degree provides the opportunity to improve professional competence in areas and approaches involving intense specialization.

**The Master of Social Work (M.S.W.)** degree provides a program of professional preparation for advanced entry into specialized social work practice where graduates will be able to provide effective services to individuals, families, groups, organizations, and communities.

## Characteristics of Doctoral Degrees

**The Doctor of Philosophy (Ph.D.) degree in Special Education**, which provides advanced preparation in this diverse professional field, is offered jointly with the University of California, Los Angeles.

**The Doctor of Education (Ed.D.) degree in Educational Administration and Leadership** develops educational leaders for K-12 schools who can apply skills of analysis, inquiry, research and evaluation to advance educational practice and contribute to the study of education reform

## Interdisciplinary Studies Master's Degrees

The Interdisciplinary Studies Master of Arts or Master of Science degree is a highly restricted interdisciplinary program for students whose professional or academic objectives are unique and cannot be met by existing master's degree offerings. It consists of an individual program of course offerings



from at least two departments/divisions in related disciplines and must provide sharp focus and appropriate coherence. See the **University Programs** section of the *Academic Programs: College-based and University-wide* chapter.

## Teaching Credentials

Teaching, specialist, and services credential programs are available to students who hold an acceptable baccalaureate. Students who seek teaching credentials must fulfill admission criteria and program requirements established by the Charter College of Education in accordance with the California Commission on Teacher Credentialing. Students who are admitted into a teaching credential program are referred to as postbaccalaureate classified students. Description of admission criteria and program requirements appear in the *Undergraduate Studies: General Information* chapter and in the **Charter College of Education** section of the *Academic Programs: College-based and University-wide* chapter.

## Credential Application Processing

Cal State L.A. charges a \$65 nonrefundable fee to cover part of the expenses of processing admission and credential applications. This fee is assessed in addition to, and separate from, the \$55 fee charged by the California Commission on Teacher Credentialing. For additional information, contact the Charter College of Education, Office for Student Services, King Hall D2078, or call the office at (323) 343-4320.

## Credit Certificate Programs

Students who have a baccalaureate may be admitted to a certificate program to receive specialized instruction and training within a particular field. Students who pursue a certificate must fulfill admission criteria and program requirements established by the departments, divisions, and schools that offer the programs.

Individual admission and program requirements appear in academic department/division/school listings in the *Academic Programs: College-based and University-wide* chapter.

# University Requirements for Master's Degree

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## Minimum University Requirements

All candidates for master's degrees at Cal State L.A. must fulfill the following minimum requirements:

### ***Unit Requirement***

Completion of at least 45 quarter units in approved courses, of which at least half (23) must be graduate (500-level) courses. Master's degree programs whose minimum total units are established at more than 45 quarter units must include at least half of those units in courses at the graduate (500) level.

### ***Grade Point Average Requirement***

Achievement of a minimum B (3.0) grade point average in all courses on the approved Study Plan. A grade of C is allowed on the Study Plan; however, any grade below C, including C-, requires that the course be repeated with both grades computed in the grade point average.

### ***Residence Requirement***

At least 32 quarter units for the master's degree completed in residence at Cal State L.A.

### ***Postbaccalaureate Writing Proficiency Requirement***

Fulfillment of the Postbaccalaureate Writing Proficiency Requirement, as described later in this chapter.

### ***Culminating Experience Requirement***

A comprehensive examination or a thesis or project as described later in this chapter.

### ***Completion of Program***

Completion of a master's degree requires:

1. completion of the final approved study plan and any special department/division/school requirements and
2. passing of a comprehensive examination within the number of attempts allowed by the department/division/school and college, or filing of a thesis or project report approved by the candidate's thesis/project committee and cleared by the Library.

### ***Time Limitation***

No subject, unit, or grade credit will be granted for any course completed more than seven years before the date of completion of the master's degree. In extraordinary circumstances, students may petition for, and the college may grant, permission to validate such an expired course by an examination given by, and with the concurrence of, the department/division/school that offers the course. An expired course taken at another institution may not be validated by examination.

### ***Faculty Recommendation***

Recommendation for the degree by the faculty.

### ***Advisement***

As the first step of registration, all students must obtain department/division/school approval of the courses selected for their study plan for each quarter. To assist in the initial advisement and course selection process, newly admitted students must bring a personal copy of their college transcripts.

Prior to or early in their first quarter, students should make an appointment with a graduate faculty adviser to develop a complete study plan for the degree. The approved master's degree study plan becomes the basis for evaluating the student's eligibility for receiving the degree. Changes in the study plan may be made only with the approval of the student's academic adviser and college graduate dean.

### ***Graduation Writing Assessment Requirement (GWAR)***

(Postbaccalaureate Writing Proficiency Requirement)

All CSU students must demonstrate competence in writing skills as a requirement for graduation. All Cal State L.A. postbaccalaureate and graduate

students who entered Cal State L.A. summer 1984 or later and who are pursuing a graduate degree or a credential are required to satisfy this requirement in one of the following ways:

- Pass the Writing Proficiency Examination (WPE) required for the Cal State L.A. baccalaureate. Postbaccalaureate students who select this option must register for the WPE (listed as UNIV 400 in the *Schedule of Classes*) no later than the add deadline for the third quarter they are enrolled in a graduate or credential program. Failure to register for the WPE will void enrollment for that quarter; or
- Postbaccalaureate students who hold an earned doctorate or masters degree from an accredited college or university where the primary language of instruction is English may substitute such a degree for passing the WPE; or
- Postbaccalaureate students who have passed a writing proficiency examination or a graduation writing assessment examination in English at any accredited college or university where the primary language of instruction is English may petition to substitute such a result for passing the WPE at Cal State L.A.

Students who receive a No Credit (NC) grade on the WPE must meet with a WPE consultant in the University Writing Center to discuss deficiencies identified by the exam and receive recommendations of activities to correct these deficiencies. Based on the recommendations from the WPE consultant, students may retake the WPE or enroll in UNIV 401, the upper division writing proficiency course.

Postbaccalaureate students in the Charter College of Education and the College of Health and Human Services may satisfy the GVAR with a score of 41 or better on the writing portion of the California Basic Educational Skills Test (CBEST). Students in these colleges must submit the original CBEST score reports to their graduate dean's office for processing.

Postbaccalaureate students must satisfy this postbaccalaureate requirement within the first three quarters of their graduate (conditionally classified or classified) or credential program or before the completion of 16 units, whichever comes later. Students must satisfy this postbaccalaureate writing requirement within the required time to be eligible for continued registration.

Departments and divisions may require of their majors additional discipline-based course work in writing. See a faculty 1 adviser about major department/division/school requirements.

Petitions for certification of the postbaccalaureate writing requirement shall be made at the college level and results reported to the Dean of Graduate Studies and Research. A student who has satisfied the postbaccalaureate writing requirement shall continue to be certified with no time limit on such certification.

Postbaccalaureate unclassified students are not required to satisfy this postbaccalaureate writing requirement.

## Credit for Transfer Work

To receive credit toward a master's degree for acceptable postbaccalaureate work taken at other colleges and universities, students must have official transcripts forwarded to the Admissions Office and must file a "Request for Records" (Form GS-1A) with their major department/division/school. Cal State L.A. will allow credit for work taken at another college or university only when it appears on the student's official transcript from that institution, is acceptable for master's degree credit at the offering institution, and is deemed appropriate to the student's master's degree program by the major department/division/school at Cal State L.A. The following limitations and exclusions apply:

- For master's degrees that require 45 total units, no more than 13 quarter units of acceptable transfer, extension and/or special session courses may be included on a master's degree study plan. For master's degrees that require more than 45 quarter units, up to 30% of the total required units may consist of acceptable transfer, extension, and/or special session courses, if approved by the appropriate graduate/departmental adviser.
- No master's degree credit is allowed for directed teaching, 700- or 800-level courses, courses numbered below 400, and courses taken at another accredited institution that would not be accepted toward a master's degree at that institution.
- Nine quarter units of 500-level or other graduate courses taken through extension are eligible for master's degree credit.

## Work Taken before Approval of Program

No more than 13 quarter units of acceptable course work completed before approval by the principal graduate adviser, major department/division/school, and college graduate dean may be included on a master's degree study plan. This includes acceptable transfer work. Credit for thesis (i.e., 599), research (i.e., 597), and comprehensive examinations (i.e., 596) is not transferable. All other course work included on the master's degree study plan must be completed after approval by the principal graduate adviser, major department/division/school, and college graduate dean. This policy shall not apply to students admitted to a master's degree program offered jointly with other educational institutions.

## Credit for Extension Courses

No graduate credit will be allowed for extension courses that would not be accepted toward a master's degree at the offering institution (e.g., University of California extension courses in the X300 or X400 series) unless specifically approved in advance by the major department/division/school and college concerned.

## Classified Graduate Standing

## ***Requirements for Classified Graduate Standing***

Once an applicant has been admitted to a graduate degree program the minimum University requirements for admission to classified graduate standing are as follows:

- Certification by the major department/division/school to the college graduate dean that all department/division/school admission requirements, procedures, and prerequisites have been completed.
- Filing of a master's degree study plan with the college graduate dean during the student's first quarter of graduate enrollment at Cal State L.A. The study plan must be approved by the principal graduate adviser and the major department/division/school. Any change in the study plan must be approved by the principal graduate adviser, the major department/division/school, and the college graduate dean before the completed courses are affected by the change. This includes courses in which a grade of Incomplete is received. Courses in which a grade of C- or lower was earned may not be removed from a Study Plan and these courses must be repeated with both grades contributing to the graduate point average.

## ***Special Action Admission Students***

Except for those who hold an advanced degree from an accredited institution, all students admitted by special action must complete a minimum of 14 quarter units of upper division qualifying courses on a formally approved master's degree study plan with a minimum B (3.0) grade point average with the following conditions:

- The principal graduate adviser, major department/division/school, and college graduate dean must approve qualifying courses before the student completes them. Courses graded CR/NC may not be used on the qualifying study plan.
- Upon recommendation of the principal graduate adviser and the major department/division/school, and with the approval of the college graduate dean, qualifying courses may be waived for students whose postbaccalaureate work demonstrates promise of the scholarly ability required for graduate study. To be eligible for recommendation of such a waiver, a student must have completed, with a minimum B (3.0) overall grade point average, 14 or more quarter units of upper division or graduate level postbaccalaureate work at an accredited institution that is acceptable toward a master's degree at that institution.
- Failure to achieve a B (3.0) grade point average in qualifying courses will result in the student's termination in the degree program.

## **Other Graduate and Postbaccalaureate Regulations**

### ***Admission to 500-Level Courses***

Students admitted with postbaccalaureate classified, graduate classified, or graduate conditionally classified standing may enroll in 500-level courses. The following exceptions and restrictions apply:

- Postbaccalaureate unclassified students may register for 500-level courses if the department/division/school chair or director determines that space is available. These students must satisfy all prerequisites for the course and obtain the approval of the instructor, the principal graduate adviser, and the chair of the department/division/school that offers the course.
- Undergraduate students may, with prior approval and subject to policies governing graduate credit for undergraduate students, enroll in up to 13 units of 400 and 500-level coursework. See section on **Graduate Credit for Undergraduate Students in this Catalog**.
- Matriculated Cal State L.A. students may not enroll in Open University courses. Students who are not matriculated at Cal State L.A. may enroll in 500-level courses through the Open University (concurrent enrollment) Program administered by the College of Extended Studies and International Programs. These students must satisfy all prerequisites for the course and obtain the approval of the instructor and the chair of the department/division/school that offers the course.
- Colleges and departments/divisions may impose additional restrictions. For all programs, students may complete no more than 20% of their total units at the 500 level before their principal graduate adviser, major department/division/school, and college graduate dean have formally approved their official master's degree study plan. In addition, all such students must either have completed the prerequisites for the course or demonstrated equivalent competency.

### ***Enrollment in Degree Credit-Granting Classes through the College of Extended Studies and International Programs***

Students who are matriculated at the University in continuing status may enroll in, and earn residence credit for, courses that are offered through the College of Extended Studies and International Programs in self-support special sessions. Any course or program offered in special sessions must, each time that it is offered, have the approval of the appropriate college dean and the Provost and Vice President for Academic Affairs. Matriculated students at the University in continuing status may not enroll in degree credit-granting classes offered under state support and made available to students by the College of Extended Studies and International Programs through Open University.

### ***Courses Completed in Undergraduate Standing***

Students can include no courses taken as an undergraduate on a master's degree program except as specifically provided for baccalaureate candidates in their final quarter of undergraduate study.

### ***Undergraduate Preparation***

No credit toward a master's degree is allowed for course work taken to meet necessary undergraduate preparation for a master's degree program.

## ***Course Additions/Deletions***

A course may not be added to or deleted from a master's degree study plan after it has been taken. Any change in the master's degree study plan must be approved in advance by the principal graduate adviser, major department/division/school, and college graduate dean. When such a change has been approved, it becomes part of the master's degree study plan.

## ***Program Change Limitation***

No more than nine quarter units beyond the total number of units approved at the time a student achieves classified graduate standing may be added to a student's master's degree program.

## ***Course Prerequisites and Corequisites***

Students are responsible for fulfilling prerequisites and corequisites. The instructor and department/division/school have the authority to waive specific prerequisites and corequisites for students who have completed equivalent courses at another institution, who have had equivalent experience (such as work experience), or who possess the needed skills to proceed with the work of the course. Students should consult the instructor before registering to determine whether the course(s) or experience will justify waiver of the stated prerequisite(s) and/or corequisite(s).

## ***Qualifying Courses***

All qualifying courses that are otherwise eligible may be included in a master's degree study plan if recommended by the principal graduate adviser and major department/division/school and approved by the college graduate dean. Students must obtain approval to include qualifying courses on the master's degree study plan before they complete the courses.

## ***Student Use of Human Subjects or Animals***

Students, like all others in the University community, must follow established University and federal guidelines when using human subjects or animals either in research or as part of a course activity. Prior approval by the relevant campus committee must be obtained when necessary. For further information, contact the Office of Research and Development, (323) 343-3978, or visit the Website at [www.calstatela.edu/academic/aa/orad/](http://www.calstatela.edu/academic/aa/orad/).

## ***Graduate Grading System and Scholastic Status***

**NOTE:** For an explanation of the grading system for graduate and postbaccalaureate students, see the charts labeled **Explanation of Graduate and Postbaccalaureate Grades** in the **Grading System** section of the **Procedures and Regulations** chapter of this catalog. For an explanation of the regulations about probation and disqualification, see the **Scholastic Status of Graduate and Postbaccalaureate Students** section in the same chapter.

# **Advancement to Candidacy to Undertake Culminating Experience**

Advancement to candidacy is a part of the continuing process of review of the student's progress and is not automatic. It is granted by the college graduate dean upon completion of the requirements listed below and upon the recommendation of the major department/division/school. It is the University prerequisite to enrolling for the thesis, project, and comprehensive examination; individual departments/divisions and colleges may have additional requirements.

Advancement to candidacy requires:

- Satisfaction of Graduation Writing Assessment Requirement.
- Classified graduate standing.
- An approved master's degree study plan on file in the college graduate studies office.
- Completion of a minimum of 16 quarter units of the master's degree study plan with an overall B (3.0) grade point average or higher.
- Recommendation of the major department/division/school.
- Approval of the college graduate dean.

Only students who are advanced to candidacy are eligible to enroll for comprehensive examinations (course #596 in their major discipline) or for thesis or project units (course #599 in their discipline).

# **Culminating Experience: Exam, Thesis, or Project**

## ***Comprehensive Examinations***

Each program that offers the comprehensive examination for the master's degree shall implement and maintain in writing explicit guidelines that address both content and procedures relating to the examination. All comprehensive examinations must conform to the following requirement of Title 5, i.e., "A comprehensive examination is an assessment of the student's ability to integrate the knowledge of the area, show critical and independent thinking, and demonstrate mastery of the subject matter. The results of the examination provide evidence of independent thinking, appropriate organization, critical analysis, and accuracy of documentation. A record of the examination questions and responses shall be maintained in accordance

with the records retention policy of The California State University.”

Students must fulfill all department/division/school requirements for the written and/or oral comprehensive examinations. Such requirements include, but are not limited to, the date and time for the comprehensive examinations, length of testing, topics covered, and number of questions for the comprehensive examinations.

Students whose program requires a comprehensive examination must declare to their major department/division/school, at least one quarter in advance, their intent to take it, obtain department/division/school permission, and register for the comprehensive examination that carries the course number 596 in their major discipline. Students who are not enrolled in any credit-bearing course during the quarter in which they take the comprehensive examination must pay the comprehensive examination fee. Students who elect comprehensive examination options are not permitted to enroll in UNIV 900. Payment of State University, student services, facilities, and Associated Students, Inc. (ASI) fees, or any tuition charges, is not required.

Students should expect to take their comprehensive examinations during the quarter in which they complete all course work on their program or shortly thereafter. Those who do not pass the comprehensive examinations must fulfill any department, division, and/or college requirements for subsequent enrollments in these examinations.

### ***Thesis and Project Requirements***

Students who choose to write a thesis or project as their master's degree culminating experience should consult the "Guide to Preparation of Master's Theses and Project Reports," copies of which are available at [www.calstatela.edu/library/guides/thesbk.htm](http://www.calstatela.edu/library/guides/thesbk.htm). It provides information about the following: procedures, regulations, and responsibilities governing the master's thesis or project; general requirements for thesis preparation and acceptance; format requirements for the thesis; and special instructions for projects and project reports. In addition, students must obtain specific department/division/school requirements from their adviser.

Graduate students who complete research units (597) and thesis or project units (599) required for master's degrees must be regularly enrolled during any quarter in which they use University facilities or consult with faculty. Students must also be enrolled during the quarter they submit their thesis or project to the library and graduate.

Students who have exceeded the one calendar year time limitation associated with the SP grading symbol for research units (597) must petition to register in UNIV 900. Petition forms and instructions are available in college graduate studies offices.

Students who have previously enrolled in all allowable research units (597) and are not enrolled in any other credit-bearing courses or thesis or project units (599) but who will use University facilities or consult with faculty must register in UNIV 900.

To maintain residence requirements and continuing student registration privileges, graduate students who are not enrolled in credit-bearing course work must register for UNIV 900 two quarters out of four.

Once officially accepted and processed, master's theses and projects are made available to the public through the Library.

## **Graduation**

### ***Application for Graduation (Degree Check)***

Application for graduation (degree check) is made on a form that is available on the Graduation Office website at [www.calstatela.edu/academic/registrar/grad\\_off.htm](http://www.calstatela.edu/academic/registrar/grad_off.htm), in academic department/division/school offices and college-based advisement centers, or in Administration 146 beginning five days prior to the application filing period. Candidates must be granted permission to apply for graduation by their major department/division/school or college-based advisement center before they may submit the completed application and required fee to the Cashiers' Office for fee payment.

Students are required to file an application by the deadline announced in the *Schedule of Classes*. Students who are enrolled the quarter they expect to graduate but do not meet the degree requirements will have their graduation application transferred to the next quarter. Students who do not complete requirements for the stated quarter must file a new application by the deadline announced in the *Schedule of Classes*. More information appears in the ***Undergraduate Study*** chapter of this catalog.

Students will be granted no subject, unit, or grade credit for any course work they completed more than seven years before the date of issuance of their master's degree. Refer to *Time Limitation* under the heading **Minimum University Requirements** earlier in this chapter.

### ***Commencement Exercises***

Commencement Exercises are held annually at the end of the spring quarter. Students who have completed degree requirements the previous fall, winter, spring or summer are eligible to participate in the ceremony along with those who will complete their work in the summer quarter. Information bulletins about commencement activities are mailed to the home address of those eligible to participate early in the spring and are available on campus in college, department/division/school offices and Enrollment Services, Administration 146.

During Commencement Exercises, the President of the University confers degrees on the candidates. Although each candidate receives a diploma cover during the program, the actual diploma is sent several months later. Within a few weeks after graduation, eligible candidates receive a letter of congratulations in the mail, and degrees are posted on their permanent academic record.

# Requirements for Additional Master's Degrees or for an Additional Option within a Master's Degree

Students may work simultaneously on two master's degrees. Both degrees may be listed on the same diploma if the requirements for both degrees are completed in the same quarter. Degrees completed in different quarters will be listed on separate diplomas.

Students who have earned a master's degree at Cal State L.A. and wish to obtain a subsequent master's degree or to add an additional option to a previously-completed master's degree from this University must complete an approved study plan of at least 45 quarter units. At least half of the units must be new work not included on the previous degree or option. The remainder can be from the previous degree provided that the courses have been completed within seven years of the award date of the degree and are otherwise eligible for inclusion.

Students who are currently enrolled in a master's degree program at Cal State L.A. may concurrently complete an additional option under the same degree if the department/division/school and college concerned verify that the additional option requires significantly different knowledge, skill, and course work. The additional option must include a minimum of 23 quarter units of course work that is specific to the option (not included in the previous option) and an appropriate culminating experience (thesis/project or comprehensive examination). An approved study plan for each option is required.

Students who have earned a master's degree at an institution other than Cal State L.A. may petition to apply for an identical degree at Cal State L.A. Students must provide extraordinary justification and receive approval of the department/division/school and college concerned before they may enter the program.

## Additional Graduate and Postbaccalaureate Student Information

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### Use of Social Security Number

Applicants are required to include their Social Security account number in designated places on CSU applications for admission pursuant to the authority contained in Title 5, *California Code of Regulations*, Section 41201. The Social Security account number is used as a means of identifying records pertaining to the student, as well as identifying the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Effective Summer Quarter 2003 California State University, Los Angeles will randomly assign a nine-digit Campus Identification Number (CIN) to all students in the University. The Campus Identification Number (CIN) is used as the official means of student identification.

### Study Load

For full-time enrollment certification by the University, graduate students must carry a study load of 12 weighted units of approved prerequisite, corequisite, or graduate program courses (graduate level courses have a weighted factor of 1.5). Upon recommendation of their major department/division/school and approval by their college graduate dean, students who are enrolled in any of the following courses may be certified as full-time students with a study load of fewer than 12 weighted units: 596, 597, 598, 599, 699, and 900. The maximum study load for students who are pursuing a graduate degree is 16 units per quarter.

The U.S. Immigration and Naturalization Service (INS) requires an F-1 international (visa) graduate student to carry a minimum study load of 8 quarter units of 500-level courses or 12 units of 400-level courses. International students must comply with all University and INS regulations.

### Credit by Examination

Graduate students who are in good standing and are enrolled in one or more residence courses may request permission to receive credit for courses by examination. Graduate credit by examination is restricted to eligible 400- and 500-level courses listed in this catalog. It is without unit limit, but does not count as residence credit. Total credit earned for courses and examinations taken in Special Sessions may not exceed the limit established for Special Session study. See **University Requirements for Master's Degrees**.

Prior to taking the examination, students must obtain concurrent approval of the chair of the department/division/school concerned, and the instructor for the course. Forms for approval may be obtained from department/division/school offices. One copy of the approval to take the examination must be filed with Enrollment Services, Admin. 146, before the fifth week of the quarter in which the examination is taken.

### Foreign Language Proficiency Examinations

#### *Modern Language Reading Examination*

The Modern Language Reading Examination is included in Modern Language courses listings as Modern Language (ML) 901. Graduate students whose programs require that they pass the examination must obtain permission from the Department of Modern Languages and Literatures and pay a \$10 examination fee when they register for the examination. The fee must be paid each quarter the examination is attempted. No other registration fees are required when the student registers only for the Modern Language Reading Examination, and students are not entitled to the same privileges and services as students enrolled in regular classes. Modern Language Reading Examination results are posted on students' academic record and appear on official transcripts. This exam is not given during summer quarter.

### International Programs

Graduate students may be eligible for study abroad under The California State University International Programs. Information about cooperating universities abroad, eligibility requirements, and application procedures appears under International Programs in the opening chapter of this catalog.

### Scholarships

There are over 300 scholarships available to students who are currently attending Cal State L.A. Available scholarships have a wide variety of criteria, and many are for undergraduate, graduate and certificate students enrolled with the University. Scholarships are based on such criteria as academic



major, academic achievement, campus and/or community participation, financial need, or a variety of other purposes. Some scholarships will provide funding for student fees; others will support the cost of books, transportation and living expenses. Students who wish to be considered for all institutional scholarships for which they are qualified should file one (1) General Scholarship Application and have one (1) letter of recommendation. The application and letter should be submitted to the Center for Student Financial Aid, Student Affairs, and room # 124. The submission deadline for new students is in March. The deadline for continuing students is in April.

For criteria and up-to-date scholarship listings, go to [http://www.calstatela.edu/univ/finaid/on\\_campus.htm](http://www.calstatela.edu/univ/finaid/on_campus.htm)

## Computing Facilities

Cal State L.A. provides the latest information technology resources to students, faculty and staff. Students have access to 217 electronic classrooms with networked computers, five student Open Access Labs, three training labs and many other "smart" rooms. Students also have access to a variety of state-of-the-art, campus-provided computers with more than 200 software packages, applications and plug-ins, including the latest web browsers. The campus wide wireless network (802.11a/b/g/n) provides anytime network access to University and Internet resources for laptops, iPads, smart phones and other electronic devices. Access is available inside all classroom buildings and from all outside areas where seating is available.

myCSULA Identity is an online self-service offering many features designed to improve service and accessibility to information. This self-service automatically creates new network/e-mail accounts, issues new accounts and passwords online, resets passwords online and reduces the sign-on to GET, GETLA and other campus systems. myCSULA Portal recognizes each user's myCSULA Identity and opens access to e-mail, WebCT, Moodle, electronic Library resources, systems and targeted announcements based on the user's University role. myCSULA Community enables faculty, administrators and campus group leaders to create their own communities of interest to share ideas and information.

The walk-up ITS Help Desk is available five days a week to assist students, faculty and staff with computer and network related problems: phone support is available after hours.

## Open Access Labs (OAL)

Open Access Labs are available to students during daytime, evening and weekend hours. The labs are staffed by qualified student technology assistants who answer questions and provide assistance. The five OALs provide student access to a variety of services including: use of Windows and MAC computers; printing; informal lounge environment with wireless access. In addition, three of the labs also have smart rooms, which have the same equipment as the electronic classrooms, allowing students to practice their presentations. There are also group study rooms in these three labs that allow students to work on collaborative projects within the lab setting.

Further information about the Open Access Labs can be obtained by visiting the computer lab website at <http://www.calstatela.edu/oal>.

## ITS Training Services

ITS training services offer a wide variety of software application training resources ranging from hands-on workshops, online YouTube and iTunesU video and informational handouts. More information on training is available at <http://www.calstatela.edu/its/training>.

## ITS Help Desk

ITS Help Desk provides the campus community with friendly one-on-one technical assistance including support of campus e-mail, wireless Internet access, telecommunications and more. Additional information, including hours of availability for both walk up and phone service are available at <http://www.calstatela.edu/its/helpdesk>.

## Postbaccalaureate Certificate Programs

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Certificate programs are designed to augment University curricula by providing specialized instruction and training within a field. These programs usually require significantly fewer units than a degree. A postbaccalaureate certificate program must contain a minimum of 16 units. Normally, courses in certificate programs will be upper division or graduate level, except for prerequisites. Students may transfer from another institution no more than one quarter of the total units required for a certificate (75% of the course work must be completed at Cal State L.A.). A maximum of one quarter (25%) of the total units required for a certificate may be devoted to internships or independent study, or a combination of both. The minimum grade point average required for completion of a postbaccalaureate certificate program is B (3.0). These grade point average requirements do not pertain to noncredit certificate programs. A Certificate of Completion is awarded upon successful completion of the program requirements. Some certificates are offered within degree majors and can be applied toward a baccalaureate or a master's degree; others are offered through the College of Extended Studies and International Programs with the certificate being the main goal.

Cal State L.A. offers credit certificate programs at both undergraduate and postbaccalaureate levels. Listed below are postbaccalaureate certificate programs. Individual program and course requirements appear in academic department and division listings in the chapters that follow.

Postbaccalaureate certificate programs require a completed bachelor's degree for entry into the program.

### Advanced Information Systems

Offered by the Department of Information Systems, (323) 343-2983, the certificate program is designed to give individuals who are pursuing or have earned a degree in business administration (or have equivalent experience) an introduction to the techniques of information systems design, planning, and management. Applicable toward degrees in business administration.

### Applied Behavior Analysis in Educational Settings

Offered by the Division of Special Education and Counseling in the Charter College of Education, (323) 343-4400, the program is designed to prepare Behavioral Intervention Specialists and provides practitioners an opportunity to develop skills for implementing and evaluating applied behavior analysis programs in behavior management, motivation, consultation, and teaching.

### Applied Gerontology

Offered by the College of Health and Human Services through the Applied Gerontology Institute, (323) 343-4724, this program is designed to enhance the preparation of individuals enrolled in courses or working in health-related disciplines to exercise their effectiveness as practitioners with older populations, particularly ethnic minorities. The program includes instruction about aging in several domains: biological, social/psychological, and policy-social services.

### Autism

Offered by the Division of Special Education and Counseling, (323) 343-4400, this program is designed to better prepare educators in establishing the unique behavioral and educational program often required for students with autism and other pervasive developmental disorders. New resources and technologies for supporting students with autism in school and community settings are being developed at a rapid rate. This program will provide students with substantive opportunity to acquire a depth of knowledge in the understanding of the needs of individuals with autism and the skills to address those needs.

### Biotechnology

Offered by the Department of Biological Sciences, (323) 343-2050, the program is designed to give graduate biology students the practical knowledge and laboratory skills needed for the application of modern molecular genetic approaches to research problems and for work in the biotechnology industry or in research laboratories that utilize the techniques of gene manipulation. Applicable toward the Master's degree in Biology.

### Career Counseling

Offered by the Division of Special Education and Counseling, (323) 343-4400, this program provides postbaccalaureate students the competencies

needed to succeed in the field of career counseling. Students will acquire competencies in the areas of job development, integrated life planning, lifestyle and career development theory, career counseling, occupational information, community resources, assessment, cross-cultural counseling, and career counseling for special populations.

## Computer Applications In Schools

Offered by the Division of Applied and Advanced Studies in Education in the Charter College of Education, (323) 343- 4330, the program is designed to prepare teachers to use computers in their classrooms and to take leadership roles in their schools: teaching computer programming/problem solving; selecting and modifying instructional software; evaluating and selecting hardware; and using computers to manage classrooms and schools. Open to graduate students with K-12 teaching experience only. Applicable toward Masters degree programs in education.

## Early Childhood Special Education: Infancy Emphasis

**Note:** This is not the add-on ECSE certificate authorized by the Commission on Teacher Credentialing. This certificate program is approved only by CSULA. The program offered by the Division of Special Education and Counseling, (323) 343-4400 is designed for professional persons who already hold a credential and/or master's degree, but who are seeking the professional preparation that is related to working in school, agency, or home settings with infants with exceptional needs and their families.

## Early Childhood Special Education: Preschool Emphasis

**Note:** This is not the add-on ECSE certificate authorized by the Commission on Teacher Credentialing. This certificate program is approved only by CSULA. The program offered by the Division of Special Education and Counseling, (323) 343-4400 is designed for professional persons who already hold a credential and/or master's degree, but who are seeking the professional preparation that is related to working in school, agency, or home settings with children ages three to five with exceptional needs and their families.

## English as a Second Language (ESL)

Offered by the Division of Applied and Advanced Studies in Education in the Charter College of Education, (323) 343- 4330, the program prepares and qualifies teachers to work in classrooms or other educational settings where students are learning to speak, read, and write English as a second language

## Manufacturing

Offered by the Department of Mechanical Engineering, (323) 343-4490, the program is designed to provide practicing mechanical engineers with a specialization in manufacturing. For graduate students only, this program provides high quality, up-to-date scientific and practical knowledge of manufacturing processes, modern materials, automatic control, automated manufacturing, and robotics. Applicable toward Master of Science degree in Mechanical Engineering.

## Pre-Health Professionals

Offered by the Department of Biological Sciences, (323) 343-2050 this postbaccalaureate certificate program provides an opportunity for pre-health career students to strengthen their academic background prior to application for admission to a health professional school. The program is designed to make postbaccalaureate students more competitive for admission through a combination of coursework, standardized test preparation, and health science activities. A student may not apply to the CSULA Master of Science Degree Program in Biology prior to the completion of the certificate program.

## Reading

Offered by the Division of Curriculum and Instruction, (323) 343-4350 the Reading Certificate authorizes the holder to assess student reading problems and provide reading remediation in response to the assessments. The holder is also authorized to develop, implement, and adapt reading and content curriculum and assist classroom teachers in these areas. This certificate is for classroom teachers who wish to earn certification to qualify them to become school site level reading specialists or school site literacy coaches. The certificate holders may perform these services at one or more school sites at the grade levels authorized by their prerequisite credential.

## Speech-Language Pathology Master's Preparatory Certificate

Offered by the Department of Communication Disorders, (323) 343-4690, the program is designed to prepare students with undergraduate degrees in fields other than communication disorders for entry into master's degree programs in Speech-Language Pathology. Holders of this certificate will attain the student learning outcomes typically attained in undergraduate degree programs in communication disorders. Specifically, certificate holders will have knowledge of 1) basic human communication processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases, and 2) the nature of speech, language, hearing, and communication disorders and differences, including their etiologies,

characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.

## Storytelling

Offered by the Division of Curriculum and Instruction in the Charter College of Education, (323) 343-4350, the program is designed for persons with an interest in the techniques, theories, and literature associated with the ancient and modern art of storytelling. Especially valuable for teacher use in language arts instruction and for improving communications skills; can also be used effectively by librarians and recreation leaders. Open to all postbaccalaureate students who meet the University requirements for admission to postbaccalaureate standing. Applicable toward some master's degree programs in education and other fields.

## Teaching Critical Thinking

Offered by the Department of Philosophy, (323) 343-4180, the program is designed for those with an interest in the theory and techniques of teaching critical thinking at college or secondary school levels and is available to students with any major. Open to holders of the baccalaureate who meet University requirements for admission to postbaccalaureate standing.

## Teaching Writing

Offered by the Department of English, (323) 343-4140 the program provides advanced study in composition and rhetoric for current teachers at secondary, and postsecondary levels of education. The program of study provides in-depth study to supplement the more limited coursework in the teaching of writing that students have had in undergraduate and credential programs. In keeping with the State's emphasis on literacy across the curriculum in schooling at all levels, the certificate addresses writing instruction across the curriculum as well as in traditional English/Language Arts. It enables teachers who are required to teach writing in all disciplinary areas but who often have had little or no training in writing instruction to incorporate writing instruction in their classes.

## Transition Specialist

Offered by the Division of Special Education and Counseling, (323) 343-4400. This program is designed for those who already have a master's degree and/or teaching credential(s) or related professional certificate(s) to work with students with disabilities. This program will give you the competencies to develop innovative transition programs assisting students with disabilities to make smooth transitions into post-school lives.

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## Post-Master's Certificate Programs

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The School of Nursing, (323) 343-4700 offers post-master's Nurse Practitioner Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, these individuals will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in all states.

### Acute Care Nurse Practitioner (ACNP): Adult Specialty Certificate

The post-master's Acute Care Nurse Practitioner (ACNP): Adult Specialty certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within the Acute Care Nurse Practitioner: Adult Option, a specialty within the Master of Science degree in Nursing.

### Adult Nurse Practitioner Specialty (ANP) Certificate

The post-master's Adult Nurse Practitioner certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within the Adult Nurse Practitioner (ANP) option, a specialty within the Master of Science degree in Nursing.

### Family Nurse Practitioner (FNP) Certificate

The School of Nursing offers a post-master's Family Nurse Practitioner certificate program. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Family Nurse Practitioner option, a specialty within the Master of Science degree in Nursing.

### Nursing Education Certificate

The School of Nursing offers a post-master's Nursing Education certificate program. This program is for nurses who have a Master's degree in nursing and who would like to take courses in the Nursing Education Option, within the Master of Science degree in Nursing.

### Nurse Practitioner: Psychiatric/Mental Health (P/MHNP) Certificate

The School of Nursing offers a post-master's Psychiatric/Mental Health Nurse Practitioner certificate. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Nurse Practitioner: Psychiatric/Mental Health option within the Master of Science degree in nursing.

### Pediatric Nurse Practitioner (PNP) Specialty Certificate

The post-master's Pediatric Nurse Practitioner certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within Pediatric Nurse Practitioner (PNP) option, a specialty within the Master of Science degree in Nursing.

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## Recognition of Academic Excellence

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## Special Recognition in Graduate Studies

Students who receive Special Recognition in Graduate Studies have demonstrated superior scholastic achievement by maintaining a grade point average of 3.8 or higher in 80% or more of their required program and have received special recommendation by their department or division.

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## Academic Department, Division, School and Program Offices - Listed by College



\*\* When calling from off campus, dial area code 323, prefix 343, and the four-digit extension; from on campus, dial 3 and the four-digit extension.

\* Because of construction and renovation, some offices may be housed elsewhere temporarily; however, the phone numbers remain the same.

<i>Department/Division/School/Program</i>	<i>Program Coordinator Department/Division Chair</i>	<i>Location*</i>	<i>Extension**</i>
<b>Academic Affairs</b>			
Provost and Vice President	Ashish Vaidya	Adm 713	3-3800
Associate Vice President for Academic Affairs	Cheryl Ney	Adm 710	3-3820
Dean, Graduate Studies	Laurence Fritz	Adm 710	3-3820
Associate Dean	Karin Elliott-Brown ( <i>Acting</i> )	Adm 710	3-3820
Assistant Vice President for Academic Affairs - Academic Personnel	Philip S. LaPolt	Adm 707	3-3810
Director, Institutional Research	Mark Pavelchak	Adm 702	3-2730
Assistant Director, Institutional Research	Vivian Ko	Adm 702	3-2730
Dean, Undergraduate Studies	Steven Jones ( <i>Acting</i> )	Adm 725	3-3830
Associate Dean	Parviz Partow-Navid ( <i>Acting</i> )	Adm 725	3-3830
Director, University Academic Advisement Center	Marcia Murota	Lib S 1040A	3-3150
Director, University Testing Center	Susan McEvoy	Lib PW 2089	3-5100
Director, University Tutorial Center	Howard Masuda	Lib S 1062A	3-3971
Director, University Writing Center	Lise Buranen ( <i>Acting</i> )	Lib S 2097	3-5350
<b>College of Arts and Letters</b>			
Dean	Peter McAllister	MUS 228	3-4001
Associate Dean	David N. Connors ( <i>Acting</i> )	MUS 231	3-4004
Art	Abbas Daneshvari	FA 328	3-4013
Communication Studies	David Olsen	MUS 104	3-4200
English	Ruben Quintero	E&T A604	3-4140
Liberal Studies ( <i>interdisciplinary program</i> )	Patrick Sharp	E&T A405	3-4100
Modern Languages and Literatures	Sachiko Matsunaga	KH D1054	3-4230
Music, Theatre, and Dance	David Connors ( <i>Acting</i> )	MUS 127	3-4060
Philosophy	Kayley Vernallis	E&T A432	3-4180
Television, Film, & Media Studies	Suzanne Regan	MUS 104	3-4200
Women's and Gender Studies ( <i>interdisciplinary program</i> )	Patrick Sharp ( <i>Acting</i> )	E&T A404	3-4100
<b>College of Business and Economics</b>			
Dean	James A. Goodrich	ST F124	3-2800
Associate Dean	Edward W. T. Hsieh (Interim)	ST F124	3-2800
Director, Student Services	(Vacant)	SH C256B	3-5262
Advisement Center - Undergraduate	(Vacant)	SH C256B	3-5262

Advisement Center - Graduate	(Vacant)	SH C256B	3-5156
Accounting	Kathryn Hansen	SH C256B	3-5156
Economics and Statistics	Dang Tran	ST F517	3-2830
Finance and Law	Hsing Fang	ST F517	3-2930
Health Care Management (program)	Stephen McGuire	ST F517	3-2890
Information Systems	Nanda Ganesan	ST F603	3-2927
Management	Angela Young	ST F717	3-2890
Marketing	Tyrone Jackson	ST F917	3-2960

## Charter College of Education

Dean	Mary Falvey	KH D2069	3-4300
Associate Dean	Diane Fozzi (Acting)	KH D2070	3-4303
Applied and Advanced Studies in Education	Anne Hafner	C2098	3-4320
Curriculum and Instruction	Robert Land	KH C2097	3-4350
Special Education and Counseling	Andrea Zetlin (Acting)	KH C1064	3-4400

## College of Engineering, Computer Science, and Technology

Dean	Keith Moo-Young	E&T A236	3-4500
Associate Dean	Don Maurizio (Acting)	E&T A236	3-4510
Civil Engineering	Rupa Purasinghe	E&T A211	3-4450
Computer Science	Raj Pamula	E&T A324	3-6690
Electrical and Computer Engineering	Fred Daneshgaran	E&T A342	3-4470
Mechanical Engineering	Darrell Guillaume	E&T A206	3-4490
Technology	Keith Mew	E&T A337	3-4550

## College of Extended Studies and International Programs

Dean	José L. Galván	GE 211	3-4907
Assistant to the Dean	Wendy Torres (Interim)	GE 211	3-3608
Fiscal Resource Manager	Chris Lam	GE 216	3-4909
Assistant Dean	Justin Casity	GE 211	3-4912
Assistant to Assistant Dean	(Vacant)	GE 211	3-4907
Marketing and Graphic Design	Linda Thome-Loera	GE 216	3-4969

### Enrollment Services

Manager	Jean Cruz	GE 211	3-4900
Registration Support	Jerri Shean	GE 211	3-5913
Registration Support	Malyna Hak	GE 211	3-5577

### Extended Education Programs

Manager, Extension Programs	Jeff Brandt	GE 217	3-4847
Associate Director, Academic Programs	Joann Edmond	GE 216	3-4919
Coordinator	Robin Hall	GE 214	3-4967
Coordinator	Alice Gutierrez	GE 214	3-4916
Coordinator	Piers Armstrong	GE 211	3-4917

### International Office

Director	Amy Wang	SA 115	3-3173
Study Abroad Adviser	Jennifer Amaya	SA 115	3-3169
Office Manager	Soledad Hernandez	SA 115	3-3172
Immigration Counselor	Jessie Shin	SA 115	3-3167

### English Language Program

Director	Aaron B. W. Ostrom	GE 211	3-4840
Student Services Coordinator	Becky Bishop	GE 211	3-4845
Office Manager	Elena Perez	GE 211	3-4840



## College of Health and Human Services

Dean	Beatrice Yorker	FA 130	3-4600
Associate Dean	Eleanor Ferguson-Marshalleck	FA 130	3-4600
Alternative Nutrition (certificate program)	Laura Calderon	PE 206	3-4650
Applied Gerontology (certificate program)	Valentine Villa	SH C90	3-4724
Child and Family Studies	Rita Ledesma	E&T A535	3-4590
Child Maltreatment and Family Violence (certificate program)	Colleen Friend	KH B109B	3-4696
Communication Disorders	Edward Klein	KH B119	3-4690
Criminal Justice and Criminalistics	Joseph Peterson	HDFC244	3-4610
Intercultural Proficiency (certificate program)	Anne Larson	PE 206	3-4650
Kinesiology and Nutritional Science	Nazareth Khodiguiian	PE 206	3-4650
Nursing	Cynthia Hughes	ST F417	3-4700
Nurse Practitioners (certificate programs)	Thomas Barkley	ST F409	3-4825
Parent Educators (certificate program)	Marlene Zepeda	E&T A535	3-4590
Public Health	Walter Zelman	ST F302	3-4740
Social Work	Vacant	STF 816	3-4680
Sports Nutrition (certificate program)	Laura Calderon	PE 206	3-4650
Youth Agency Administration (certificate program)	Anne Larson	PE 206	3-4650
Robert L. Douglass Speech-Language and Cal State L.A. Hearing Clinics	Cari Flint	KH B119	3-4690

## College of Natural and Social Sciences

Dean	James P. Henderson	KH D1052	3-2000
Associate Dean	Rennie Schoepflin	KH D1051	3-2012
Anthropology	René Vellanoweth	KH C4068	3-2440
Asian and Asian American Studies (interdisciplinary program)	Ping Yao	KH C4077A	3-2442
Biological Sciences	Nancy McQueen	Bio 142	3-2050
Chemistry and Biochemistry	Robert Vellanoweth	PS 616	3-2300
Chicano Studies	Bianca Guzman	KH C4069	3-2190
Geosciences and Environment	Ali Modarres	KH C4067	3-2220
Geosciences and Environment	Kim Bishop	PS 208	3-2400
History	Cheryl Koos	KH C4066	3-2020
Latin American Studies (interdisciplinary program)	Beth Baker-Cristales	KH B3006	3-2180
Mathematics	Grant Fraser (Acting)	ST F206	3-2150
Natural Science (interdisciplinary program)	James Rudd	PS 717	3-2219
Pan-African Studies	Melina Abdullah	KH C3095	3-2290
Physics and Astronomy	Susan Tereby	PS 315	3-2100
Political Science	Scott Bowman	E&T A524	3-2230
Psychology	Sengi Hu	KH C3103	3-2250
Sociology	Steve Gordon	KH C3093	3-2200

## Honors College

Director	Michelle Hawley	KH D1045	3-5969
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## Preprofessional Advisement

Health Science Programs (Premedical, pre dental, (preveterinary, prepharmacy, etc.)	Robert Nissen	Bio 258	3-2070
Prelegal Programs			
Department of Finance and Law	Maria Boss	ST F717	3-2870
Department of Philosophy	Kayley Vernallis/David Pitt	E&T A432	3-4180

Department of Political Science	Scott Bowman	E&T A526	3-2248
Department of Sociology	Elaine A. Draper	KHA3047	3-2299
Pre-Physical Therapy Advisement	Ray De Leon	BS 310A	3-4855

## University Library

University Librarian	Alice Kawakami	Lib N B537A	3-3954
Associate University Librarian	Marla Peppers	Lib N B529A	3-3929

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## Academic Programs

### California State University, Los Angeles

#### College of Arts and Letters

Go to information for College of Arts and Letters.

##### Department of Art

Go to information for Department of Art.

##### Department of Communication Studies

Go to information for Department of Communication Studies.

##### Department of English

Go to information for Department of English.

##### Department of Liberal Studies

Go to information for Department of Liberal Studies.

##### Department of Modern Languages and Literatures

Go to information for Department of Modern Languages and Literatures.

##### Department of Music, Theatre, and Dance

Go to information for Department of Music, Theatre, and Dance.

##### Department of Philosophy

Go to information for Department of Philosophy.

##### Department of Television, Film, & Media Studies

Go to information for Department of Television, Film, & Media Studies.

#### College of Business and Economics

Go to information for College of Business and Economics.

##### Department of Accounting

Go to information for Department of Accounting.

##### Department of Economics and Statistics

Go to information for Department of Economics and Statistics.

##### Department of Finance and Law

Go to information for Department of Finance and Law.

##### Department of Information Systems

Go to information for Department of Information Systems.

##### Department of Management

Go to information for Department of Management.

##### Department of Marketing

Go to information for Department of Marketing.

##### Program in Entrepreneurship

Go to information for Program in Entrepreneurship.

##### Programs in Interdisciplinary Business

Go to information for Programs in Interdisciplinary Business.

### **Programs in International Business**

Go to information for Programs in International Business.

## **Charter College of Education**

Go to information for Charter College of Education.

### **Division of Applied and Advanced Studies in Education**

Go to information for Division of Applied and Advanced Studies in Education.

### **Division of Curriculum and Instruction**

Go to information for Division of Curriculum and Instruction.

### **Division of Special Education and Counseling**

Go to information for Division of Special Education and Counseling.

## **College of Engineering, Computer Science, and Technology**

Go to information for College of Engineering, Computer Science, and Technology.

### **Department of Civil Engineering**

Go to information for Department of Civil Engineering.

### **Department of Computer Science**

Go to information for Department of Computer Science.

### **Department of Electrical and Computer Engineering**

Go to information for Department of Electrical and Computer Engineering.

### **Department of Mechanical Engineering**

Go to information for Department of Mechanical Engineering.

### **Department of Technology**

Go to information for Department of Technology.

## **College of Extended Studies and International Programs (CESIP)**

Go to information for College of Extended Studies and International Programs (CESIP).

## **College of Health and Human Services**

Go to information for College of Health and Human Services.

### **Department of Child and Family Studies**

Go to information for Department of Child and Family Studies.

### **Department of Communication Disorders**

Go to information for Department of Communication Disorders.

### **School of Criminal Justice and Criminalistics**

Go to information for School of Criminal Justice and Criminalistics.

### **Department of Public Health**

Go to information for Department of Public Health.

### **School of Kinesiology and Nutritional Science**

Go to information for School of Kinesiology and Nutritional Science.

### **School of Nursing**

Go to information for School of Nursing.

### **School of Social Work**

Go to information for School of Social Work.

### **Program in Intercultural Proficiency**

Go to information for Program in Intercultural Proficiency.

### **Program in Youth Agency Administration**

Go to information for Program in Youth Agency Administration.

## **College of Natural and Social Sciences**

Go to information for College of Natural and Social Sciences.

### **Department of Anthropology**

Go to information for Department of Anthropology.

### **Department of Biological Sciences**

Go to information for Department of Biological Sciences.

### **Department of Chemistry and Biochemistry**

Go to information for Department of Chemistry and Biochemistry.

### **Department of Chicano Studies**

Go to information for Department of Chicano Studies.

### **The Department of Geosciences and Environment**

Go to information for The Department of Geosciences and Environment.

### **Department of History**

Go to information for Department of History.

### **Department of Mathematics**

Go to information for Department of Mathematics.

### **Department of Pan-African Studies**

Go to information for Department of Pan-African Studies.

### **Department of Physics and Astronomy**

Go to information for Department of Physics and Astronomy.

### **Department of Political Science**

Go to information for Department of Political Science.

### **Department of Psychology**

Go to information for Department of Psychology.

### **Department of Sociology**

Go to information for Department of Sociology.

### **Program in Asian and Asian-American Studies**

Go to information for Program in Asian and Asian-American Studies.

### **Program in Latin American Studies**

Go to information for Program in Latin American Studies.

### **Programs in Natural Science**

Go to information for Programs in Natural Science.

## **University Programs**

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## **Honors College**

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## College of Arts and Letters

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### OFFICE OF THE DEAN

Music 228

Phone: (323) 343-4001

Fax : (323) 343-6440

E-mail: [tallison@cslanet.calstatela.edu](mailto:tallison@cslanet.calstatela.edu)

Website: <http://www.calstatela.edu/academic/al/>

College: [AL@calstatela.edu](mailto:AL@calstatela.edu)

## Administrators:

*Dean: Peter McAllister*

*Associate Dean: David Connors (Acting)*

*Fiscal/Administration: Tommy Luong*

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The College of Arts and Letters is committed to nurturing humanists and artists, and providing a broad liberal arts education to all CSULA students. Its eight departments, the Integrated Humanities Center (which houses the American Communities Program, The Center for the Study of Genders and Sexualities, the Center for Contemporary Poetry and Poetics, Reel Rasquache, and other humanities research programs), offer a variety of learning opportunities, including major, minor, and certificate programs, general education and elective courses, and stimulating public programs. The College's co- and extra-curricular activities provide both the university and off-campus communities with opportunities for cultural enrichment, lifelong learning, and participation in an intellectual and artistic community that rivals the best in the nation. The College produces art exhibits; musical events, dance, film, TV, multimedia, and theatrical performances; lectures and readings by students, faculty and internationally acclaimed scholars, writers, and artists. Among the numerous student activities devoted to cultural, creative, and intellectual pursuits are The University Times, a student-run theatre called The Nest (Theatre), and the Closet of Modern Art (COMA). Dedicated to ethnic and cultural diversity, with nationally recognized faculty and programs, and with students who have garnered numerous awards, the College of Arts and Letters, has been recognized by grants from the Rockefeller Foundation, the National Endowment for the Humanities, the National Endowment for the Arts and other prestigious foundations.

Students in the College may pursue a variety of undergraduate and graduate degree programs that offer opportunities to study a wide range of subjects, from animation, film and TV, dance, and design to creative writing, the classics, and voice. Its eight departments are **Art, Communication Studies** (including separate programs in **Communication Studies** and **Television, Film and Media Studies**), **English, Liberal Studies** (an interdisciplinary program that is one of the most popular majors for prospective elementary school teachers and includes a blended option merging subject matter with teacher preparation coursework, as well as a general track for students seeking a rigorous course of interdisciplinary study), **Modern Languages and Literatures** (including separate programs in **Chinese, French, Japanese** and **Spanish**), **Music, Philosophy**, and **Theatre Arts and Dance**. Students wishing to pursue a high school teaching career may prepare for the **Single Subject credential** through degree programs in the following departments: Art, English, Modern Languages and Literatures (for French, Japanese, Spanish), and Music. The Music department offers both the Bachelor of Art and Bachelor of Music degrees. The Master of Arts degree is offered in Art, Communication Studies, English, French, Music, Philosophy, Spanish, and Theatre Arts. Students may also choose programs leading to the Master of Fine Arts in Art, or the Master of Music degree. In addition to minor programs in all the major subjects listed above, students may also minor in, Classics (Philosophy Department), Creative Writing (English Department), and Women's Studies (Liberal Studies Department). New joint Master of **Fine Arts Degree in Television, Film and Theatre** between the Department of Communication Studies and the Department of Theatre Arts and Dance.

The departments in the College offer a rich menu of opportunities for nurturing and showcasing student talent and for experiencing the best in presentations by professional artists and distinguished scholars. The Fine Arts Gallery presents exhibitions of artwork by established professional artists as well as faculty and students, while the student-run exhibition space, COMA Gallery, presents rotating exhibitions of student artwork. The Music Department offers an extensive program of musical events every year, from faculty recitals and group performances to individual student recitals. There are vocal and instrumental groups for every musical inclination, from the **Chamber Ensembles, Chamber Singers** and **International Choir** to the **Latin-Jazz Ensemble, Wind Ensemble** and **Symphonic Band**; each group performs several times a year both on and off campus. The Department of Theatre Arts and Dance offers comprehensive programs in play and dance production and children's theatre. The University **Dance Ensemble** offers the opportunity for students to perform, choreograph, design costumes, design lighting, and compose sound for dance. The department also presents many productions during the year, including faculty and student-directed workshops and major productions. Through the Communication Studies Department, students may join the award-winning **forensics teams** or help produce the **University Times**, whose editors have established an

outstanding record and received top awards and national scholarships. The departments of English, Modern Languages and Literatures and Communication Studies also produce literary magazines and scholarly journals for students to publish both creative and academic writing in English and other languages. The English Department is the home of the **American Literature Association**, a national coalition of author societies devoted to the study of American writers. Faculty members in the Department of Communication Studies edit or have edited such prestigious scholarly journals as **Text and Performance Quarterly and Journal of Film and Video**. A full program of distinguished speakers (sponsored by the departments of Philosophy, English, Communication Studies, and Modern Languages and Literatures) provides the entire campus community the opportunity to hear and exchange views with eminent scholars, writers, poets, and critics. The Chinese and Japanese Studies Centers are affiliated with the Modern Languages and Literatures Department and promote the study and understanding of **Chinese** and **Japanese** culture.

The College of Arts and Letters is committed to academic excellence in the arts and humanities. Through its numerous programs, the College prepares students for professional success through a liberal arts education. A broad foundation in intellectual, philosophical and cultural inquiry allows our diverse student body to undertake personal development and to achieve effective participation in a democratic society.

## Nationally Accredited Programs in the College of Arts and Letters

**Art:** National Association of Schools of Art and Design

**Music:** National Association of Schools of Music

## Undergraduate Programs

**Art** (Department of Art): B.A. in Art with Options in Animation, Art Education, Art History, Fashion & Textiles, Graphic Design/Visual Communication, Studio Arts; Minor in Art; Certificate in Fashion Design, Certificate in Fashion Merchandising

**Chinese** (Department of Modern Languages and Literatures): B.A. in Chinese. Minor in Chinese

**Classics** (Department of Philosophy): Minor

**Communication Studies** (Department of Communication Studies): B.A. in Communication, General Option, Rhetoric, Organizational and Public Relations, Performance Studies, Interpersonal and Language and Social Interaction; Minor in Communication

**Comparative Linguistics (Department of English): Minor**

**Creative Writing** (Department of English): B.A. in Creative Writing, Minor in Creative Writing.

**Dance** (Department of Music, Theatre, and Dance): B.A. in Theatre Arts and Dance, Option in Dance

**English** (Department of English): B.A. in English, General Option, Creative Writing and Single-Subject Teaching Option; Minor in Creative Writing, Minor in English

**French** (Department of Modern Languages and Literatures): B.A. in French, Single-Subject Matter Program; Minor in French

**Japanese** (Department of Modern Languages and Literatures): B.A. in Japanese, Single-Subject Matter Program; Minor in Japanese

**Liberal Studies** (Department of Liberal Studies): B.A. in Liberal Studies, General Option, Elementary Subject Matter Teacher Preparation Option, and Blended Elementary Subject Matter Teacher Preparation Option; Interdisciplinary Minor in Comparative Linguistics; Interdisciplinary Minor in Women's Studies

**Music** (Department of Music, Theatre, and Dance): B.A. in Music, B.Mus. in Music, with Options in Composition, Jazz Studies, Vocal Performance, Instrumental Performance, and Keyboard Performance, Music Education, and Commercial Music; Minor in Music

**Philosophy** (Department of Philosophy): B.A. in Philosophy, General Option, Prelaw Option; Minor in Classics; Minor in Philosophy, General Option and Prelaw Option

**Spanish** (Department of Modern Languages and Literatures): B.A. in Spanish, Single Subject Matter Program; Minor in Spanish

**Television, Film and Media Studies** (Department of Television, Film & Media Studies): B.A. in Television, Film and Media Studies, with Options in Animation, Broadcast Journalism, and Telecommunications and Film

**Theatre Arts** (Department of Music, Theatre, and Dance): B.A. in Theatre Arts and Dance, Theatre Arts Option; Minor in Theatre Arts and Dance

**Women's Studies** (Department of Liberal Studies): Minor

## Graduate and Postbaccalaureate Programs

**Art** (Department of Art): Master of Arts Degree in Art, with specializations in Art Education, Art History, Design, Studio Arts; Master of Fine Arts Degree in Art, with specializations in Design and Studio Arts

**Communication Studies** (Department of Communication Studies): Master of Arts Degree in Communication Studies, with Options in Telecommunications and Film, and in Communication

**English** (Department of English): Master of Arts Degree in English, with Options in Composition, Rhetoric, and Language; in Creative Writing; and in Literature

**French** (Department of Modern Languages and Literatures): Master of Arts Degree in French

**Music** (Department of Music, Theatre, and Dance): Master of Arts Degree in Music, Master of Music Degree, with Options in Composition, Commercial Music, Conducting, Keyboard Performance, Vocal Performance, Instrumental Performance, Afro-Latin Music, and Music Education.

**Philosophy** (Department of Philosophy): Master of Arts Degree in Philosophy, Certificate in Teaching Critical Thinking

**Spanish** (Department of Modern Languages and Literatures): Master of Arts Degree in Spanish

**Theatre Arts** (Department of Music, Theatre, and Dance): Master of Arts Degree in Theatre Arts

Joint Master of Fine Arts Degree in Television, Film and Theatre between the **Department of Music, Theatre, and Dance** and the **Department of Television, Film & Media Studies**.

## Student Activities/ Special Interest Groups – in Arts & Letters

### Art Exhibitions

The Fine Arts Gallery in the Fine Arts Building is the largest art exhibition space available for students on campus. The Gallery presents an Undergraduate Art Exhibition, Senior Project Exhibitions, 6 to 12 MA/MFA Thesis Exhibitions and exhibitions of work by professional artists. In addition, lectures, musical events and poetry readings, as well as other special events are scheduled in the gallery to increase the reach of the visual arts to new audiences. The student-run exhibition space, COMA Gallery, presents rotating exhibitions of Cal State L.A. student artwork. All exhibitions are free and open to the public.

### Communication Activities

The program offers a rich array of professional activities. Students can participate in numerous Communication Studies clubs including Lambda Pi Eta, the Communication Honor Society. The department also has a thriving internship program, placing students in businesses, political organizations and non-profits throughout Southern California. Every quarter students can participate in a Public Speaking Showcase, highlighting the best speeches from the given term. The award winning Forensics team competes in debate and individual events in prominent intercollegiate tournaments. Students edit and help produce Colloquy, the department's annual student scholarship showcase journal and students in Performance Studies offer frequent public demonstrations. For many of these programs, students may earn credit by enrolling in appropriate activity courses in the Department of Communication Studies.

### Dance

The University Dance Ensemble tours and offers students an introduction to the dance program, experiences in performing their own choreography, lecture demonstrations, and the opportunity to collaborate with other dancers and to work with guest artists. Performances vary each year and range from mini-concerts- and community tours, to full evening productions. Membership is open to anyone who has a strong interest in and commitment to dance/theatre and is able to fulfill the purposes of the production. Students who participate must enroll in dance courses 272, 480, and 483 in the Department of Music, Theatre, and Dance.

### Literary Activities

The Department of English provides the campus community regular opportunities for enjoying literary activities. It annually sponsors public lectures by distinguished scholars, public readings by nationally and internationally renowned writers, international conferences on major authors or literary themes, and a statewide literary conference (Significations) for CSU graduate students. The English Department also supports the publication each year of a student-edited award-winning magazine, *Statement Magazine*, which showcases student work in photography and art, poetry and fiction, and forms of literary journalism. Students receive academic credit and instruction in journal publishing (ENGL 392) with the production of *Statement Magazine*. The publication of the magazine is celebrated annually with a festive launch of readings open to the public, at which prizes are awarded for the best poem and for the best work of fiction.

The Department also sponsors the Henri Coulette Academy of American Poets Prize; the David L. Kubal Memorial Lecture Series, which began in 1982, and the Jean Burden Poetry Reading, which began two years later. Past Kubal Memorial lecturers have included such distinguished scholars as Frederick Crews, Marjorie Perloff, Helen Vendler, Sacvan Bercovitch, J. Hillis Miller, X.J. Kennedy, V.A. Kolve, John Brewer, and Arthur F. Kinney. Past Burden poetry readers have been such prize-winning poets as Howard Nemerov, Tess Gallagher, Maxine Kumin, Lucille Clifton, Mark Strand, Carolyn Kizer, Richard Wilbur, Galway Kinnell, Harryette Mullen, Linda Pastan, Rita Dove, Andrew Motion, Adrienne Rich, Wendy Cope, and Vikram Seth.

In order to promote public interest in poetry and poetics at CSULA, donors Virginia E. Smith and Jean Burden helped create an endowed fund by which the chartered Center for Contemporary Poetry and Poetics (CCPP) was established. The CCPP sponsors literary events throughout the year.

### Musical Events and Organizations

The Associated Students cooperates with the Department of Music, Theatre, and Dance in offering an extensive program of musical events. Students enroll for academic credit in music activity courses as members of various performance organizations. Each organization has a regular performance schedule and performs several times each year both on and off campus. Some concerts are held during the noon hour; others are scheduled at night or on weekends. Membership is open to all students who wish to participate. The Afro Latin Ensemble, Chamber Singers, Concert Choir, Jazz Orchestra, Vocal Jazz Ensemble, and Opera Workshop require an audition. Music organizations include:

Chamber Music

MUS 485



Chamber Singers	MUS 425
Concert Choir	MUS 326
Jazz Orchestra	MUS 424
Small Jazz Ensemble	MUS 429
Afro Latin Ensemble	MUS 427
Mariachi Ensemble	MUS 430
New Music Ensemble	MUS 428
Opera Workshop	MUS 426
Percussion Ensemble: Latin Percussion	MUS 423B
String Ensemble: Guitars	MUS 420B
Symphonic Band	MUS 320
Wind Ensemble	MUS 322
Orchestral Performance and Practice	MUS 321
Vocal Jazz Ensemble	MUS 328
University Chorus	MUS 327

## Philosophy Activities

The Department of Philosophy sponsors a colloquium series that brings well known philosophers to campus to speak on a broad range of topics. Those colloquia that focus on gender, human rights, and poverty, are supported in part by the Ann Garry and Sharon Bishop Endowed Fund in Feminist Philosophy and the Ricardo Gomez Fund in Human Rights and Poverty. Students have opportunities to interact informally with these speakers. A student organization, the Philosophy Club, plans a variety of events. BA and MA students jointly publish a print journal of student writings, Philosophy in Practice and receive credit for their work by enrolling in PHIL 400/PHIL 500.

## Television, Film, and Media Studies

The Department of Television, Film & Media Studies also offers comprehensive programs in Journalism for print, broadcast, cable, and internet, 2-D traditional Animation and a comprehensive range of film and video production including scriptwriting, television studio multi-camera production, field video and film production, documentary, and post-production. The program offers students experiences in professional film festival competition through the CSU's annual Media Arts Festival, Cal State L.A.'s own annual student film and video festival that is conceived, organized, and produced by students, and the annual national showcase, Reel Rasquache U.S. Latino Film Festival. The program offers students filmmaking support competitively awarded through the generous contributions of such professional organizations as the Hollywood Foreign Press Association and Women In Film. Students also participate in the CSU Media Internship program in which students are matched and placed in high end internship opportunities with the media industries including major studios, independent productions, and guilds and industry associations in film, television, radio, journalism, music, graphics, and entertainment industry-related business, public relations, marketing, and new technologies. Students may earn credit for participation in these programs by enrolling in appropriate activity courses in the Department of Television, Film & Media Studies.

## Theatrical and Dance Productions

The Department of Music, Theatre, and Dance offers comprehensive programs in theatre and dance production including a range of contemporary, modern, and historic dramatic literature; children's theatre; musical theatre; opera and dance production. Touring productions for off-campus educational performance are also produced. The department presents multiple productions during the year; they include faculty-directed and supervised productions, workshops, MFA projects, student productions, and major season productions. All students are eligible to audition for theatre, musical, and dance productions or participate in design and backstage productions assignments. Students may earn production credit by enrolling in TA 100, 300, 310, 459, 489, or 595 or DANC 480 with faculty approval.

## Theatre

Student managed productions offer students an opportunity to create and produce alternative work in a designated student theatre space, Music 115. Faculty supervision and departmental sponsorship are necessary for student workshop productions. Students who participate in these activities must enroll in TA 100, 300, 310, 595 or DANC 480, with faculty approval, in the Department of Music, Theatre, and Dance.

## English, B.A.

   Print this Page

Students pursuing the Bachelor of Arts degree in English select one of two program options. The General option is intended for those pursuing a liberal arts education with special emphasis on literature and composition; and the Single Subject Teaching option is designed for students interested in a career in education.

Students majoring in English must obtain advisement prior to or during their initial quarter of major coursework. Those majoring in English are urged to acquire command of at least one foreign language as part of their program.

The total number of units required for the Bachelor of Arts degree in English is 180 units, of which 80-90 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (80 to 90 units)

The General option requires a total of 80 units. The Single Subject Teaching option requires a total of 90 units.

#### Common Core (24 units)

##### Lower Division Required Courses (12 units)

- ENGL 200A - The Classical and Medieval Tradition (4)
- ENGL 200B - British Literature Survey I (4)
- ENGL 200C - British Literature Survey II (4)

##### Upper Division Required Courses (12 units)

- ENGL 340 - Writing in the Major (4)
- ENGL 417 - Shakespeare I (4)
- ENGL 492 - Seminar in Literature and Language (4)

### Options

- General Option
- Single Subject Teaching Option

#### General Option (80 units)

In addition to the 24 units in the common core, students must complete the following 56 units:

##### I. Upper-Division Required Courses (44 units)

- ENGL 441 - Major Critics (4)

British Literature: (16 units)

Select four 400-level courses in British Literature from the following, with at least two in pre-1800 literature:

##### Pre-1800:

- ENGL 416 - Chaucer (4)
- ENGL 418 - Shakespeare II (4)
- ENGL 419 - Milton (4)
- ENGL 446A - The British Novel: The Eighteenth Century (4)
- ENGL 460 - Medieval English Literature (4)
- ENGL 461 - Dramatic Literature of the English Renaissance (4)
- ENGL 463 - The English Renaissance (4)
- ENGL 464 - Seventeenth-Century Literature (4)
- ENGL 465 - The Augustan Age (4)

##### Post-1800:

- ENGL 446B - The British Novel: The Nineteenth Century (4)
- ENGL 446C - The British Novel: The Twentieth Century (4)
- ENGL 467 - The Romantic Age (4)
- ENGL 468 - The Victorian Age (4)
- ENGL 469A - Modern British Literature (4)
- ENGL 469B - Contemporary British Literature (4)

### American Literature (12 units)

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- ENGL 471 - American Literature: Beginnings to 1860 (4)
- ENGL 472 - American Literature: 1860–1914 (4)
- ENGL 473 - American Literature: 1914 to Present (4)

### World Literature (8 units)

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Select two 400-level courses in World Literature from the following:

- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 425 - Epic and Legend (4)
- ENGL 426 - African Literature (4) **also listed as**
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- ENGL 482 - The Bible as Literature: Old and New Testaments (4)
- ENGL 483 - Folklore and Literature (4)
- ENGL 484 - Major Continental Fiction: Cervantes to Balzac (4)
- ENGL 485 - Major Continental Fiction: Stendhal to Tolstoy (4)
- ENGL 486 - Twentieth Century Continental Fiction (4)
- ENGL 487 - Latin American Literature in Translation (4) **also listed as**
- ML 487 - Latin American Literature in Translation (4)

### Linguistics (4 units)

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Select one upper division course in linguistics from the following:

- ENGL 305 - English Grammar and Usage (4)
- ENGL 401 - English Language in America (4)
- ENGL 402 - History of the English Language (4)
- ENGL 403 - Language and Culture (4) **also listed as**
- ANTH 470 - Language and Culture (4)
- ENGL 405 - Modern English Grammar (4)

## II. Electives (12 units)

Electives (12 units)

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Select three 300- or 400-level ENGL courses excluding GE theme courses. With adviser approval, one 200-level course may be included.

## Single Subject Teaching Option (90 units)

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Refer to the Charter College of Education for regulations governing all teaching credential programs.

In addition to the 24 units in the common core, students must complete the following: (66 units)

### I. Lower-division required course (4 units):

- \* COMM 150 - Oral Communication (4)

### II. Upper-division required courses (42 units):

- ENGL 310 - Genres of Writing (4)
- **and**
- ENGL 398 - Cooperative Education (1-8)
- ENGL 452 - Reading Cultures: Cultural Studies and English Literature (4)
- ENGL 494 - Literary Study and the Teaching Profession: A Capstone Course for Prospective English Teachers (4)
- **and**
- ENGL 398 - Cooperative Education (1)

British Literature (4 units)

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Select one upper division course in British Literature from the following:

- ENGL 416 - Chaucer (4)
- ENGL 418 - Shakespeare II (4)
- ENGL 419 - Milton (4)
- ENGL 446A - The British Novel: The Eighteenth Century (4)
- ENGL 446B - The British Novel: The Nineteenth Century (4)
- ENGL 446C - The British Novel: The Twentieth Century (4)
- ENGL 460 - Medieval English Literature (4)
- ENGL 461 - Dramatic Literature of the English Renaissance (4)
- ENGL 463 - The English Renaissance (4)
- ENGL 464 - Seventeenth-Century Literature (4)
- ENGL 465 - The Augustan Age (4)
- ENGL 467 - The Romantic Age (4)
- ENGL 468 - The Victorian Age (4)
- ENGL 469A - Modern British Literature (4)
- ENGL 469B - Contemporary British Literature (4)

#### American Literature (12 units)

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- ENGL 476 - Ethnic Literature in the U.S. (4)

#### Select two upper-division courses in American Literature from the following:

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- ENGL 471 - American Literature: Beginnings to 1860 (4)
- ENGL 472 - American Literature: 1860–1914 (4)
- ENGL 473 - American Literature: 1914 to Present (4)

#### World Literature (4 units)

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Select one upper-division course in World Literature from the following:

- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 425 - Epic and Legend (4)
- ENGL 426 - African Literature (4) **also listed as**
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- ENGL 482 - The Bible as Literature: Old and New Testaments (4)
- ENGL 483 - Folklore and Literature (4)
- ENGL 484 - Major Continental Fiction: Cervantes to Balzac (4)
- ENGL 485 - Major Continental Fiction: Stendhal to Tolstoy (4)
- ENGL 486 - Twentieth Century Continental Fiction (4)
- ENGL 487 - Latin American Literature in Translation (4) **also listed as**
- ML 487 - Latin American Literature in Translation (4)

#### Linguistics (8 units)

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- ENGL 305 - English Grammar and Usage (4)

#### Select one upper-division course in Linguistics from:

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- ENGL 401 - English Language in America (4)
- ENGL 402 - History of the English Language (4)
- ENGL 405 - Modern English Grammar (4)

### III. Extended Studies (20 units)

Select one of the following six areas for extended study. Any classes used to meet the Single Subject Teaching option requirements listed above may not be double counted in the extended study areas.

#### 1. Literature and Textual Analysis (20 units)

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Select one or two upper- division courses from each of the following three categories (20 units):

#### Category A

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- ENGL 416 - Chaucer (4)
- ENGL 418 - Shakespeare II (4)
- ENGL 419 - Milton (4)
- ENGL 446A - The British Novel: The Eighteenth Century (4)
- ENGL 446B - The British Novel: The Nineteenth Century (4)
- ENGL 446C - The British Novel: The Twentieth Century (4)
- \* ENGL 454 - Selected Topics in Literature (4)
- ENGL 460 - Medieval English Literature (4)
- ENGL 461 - Dramatic Literature of the English Renaissance (4)

- ENGL 463 - The English Renaissance (4)
- ENGL 464 - Seventeenth-Century Literature (4)
- ENGL 465 - The Augustan Age (4)
- ENGL 467 - The Romantic Age (4)
- ENGL 468 - The Victorian Age (4)
- ENGL 469A - Modern British Literature (4)
- ENGL 469B - Contemporary British Literature (4)
- \* ENGL 478 - Modern Poetry (4)
- \* ENGL 479 - Contemporary Poetry (4)
- ENGL 493 - Approaches to Teaching Shakespeare's Plays (4)

\*Subject to advisor approval

### Category B

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- \* ENGL 454 - Selected Topics in Literature (4)
- ENGL 470 - American Women Writers (4)
- ENGL 471 - American Literature: Beginnings to 1860 (4)
- ENGL 472 - American Literature: 1860–1914 (4)
- ENGL 473 - American Literature: 1914 to Present (4)
- ENGL 475A - The American Novel: 19th Century (4)
- ENGL 475B - The American Novel: 1900–1945 (4)
- ENGL 475C - The American Novel: 1945–Present (4)
- ENGL 477 - Black American Literature (4)
- \* ENGL 478 - Modern Poetry (4)
- \* ENGL 479 - Contemporary Poetry (4)
- ENGL 489 - Colonial to Modern Mexican American Literature (4) **also listed as**
- CHS 402 - Colonial to Modern Mexican American Literature (4)

\*Subject to advisor approval

### Category C

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- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 425 - Epic and Legend (4)
- ENGL 426 - African Literature (4) **also listed as**
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- ENGL 430 - Children's Literature (4)
- ENGL 432 - Literature for Adolescents (4)
- ENGL 441 - Major Critics (4)
- ENGL 453 - Modern Women Writers (4)
- ENGL 454 - Selected Topics in Literature (4)
- ENGL 478 - Modern Poetry (4)
- ENGL 479 - Contemporary Poetry (4)
- ENGL 482 - The Bible as Literature: Old and New Testaments (4)
- ENGL 483 - Folklore and Literature (4)
- ENGL 484 - Major Continental Fiction: Cervantes to Balzac (4)
- ENGL 485 - Major Continental Fiction: Stendhal to Tolstoy (4)
- ENGL 486 - Twentieth Century Continental Fiction (4)
- ENGL 487 - Latin American Literature in Translation (4) **also listed as**
- ML 487 - Latin American Literature in Translation (4)

## 2. The Literature of Diversity (20 units)

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Select five courses from at least three of the following categories (20 units):

### Category A

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- CHIN 430 - Chinese Literature in Translation (4)
- JAPN 307 - Japanese Literature in Translation (4)

### Category B

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- PAS 422 - Themes in Black Literature (4)
- ENGL 426 - African Literature (4) **also listed as**
- ENGL 477 - Black American Literature (4)

### Category C

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- CHS 400 - Literatures of Mesoamerica (4)
- CHS 402 - Colonial to Modern Mexican American Literature (4) **also listed as**

ENGL 489 - Colonial to Modern Mexican American Literature (4)

- ENGL 487 - Latin American Literature in Translation (4) **also listed as**
- ML 487 - Latin American Literature in Translation (4)

#### Category D

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- ENGL 453 - Modern Women Writers (4)
- ENGL 470 - American Women Writers (4)

#### Category E

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- ENGL 430 - Children's Literature (4)
- ENGL 432 - Literature for Adolescents (4)
- ENGL 483 - Folklore and Literature (4)

#### Category F

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- ENGL 441 - Major Critics (4)

### 3. Expository Writing and Language (20 units)

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- ENGL 410 - Writing in the Schools (4)

#### Select two from the following (8 units):

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- ENGL 401 - English Language in America (4)
- ENGL 402 - History of the English Language (4)
- ENGL 403 - Language and Culture (4) **also listed as**
- ANTH 470 - Language and Culture (4)
- ENGL 405 - Modern English Grammar (4)

#### Select two from the following (8 units):

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- ENGL 308 - Expository Writing (4)
- ENGL 406 - Writing Nonfiction (4)
- TVF 292 - Introduction to News Writing and Reporting (4)
- JOUR 391 - University Times (4)
- JOUR 492 - Radio and Television News Writing (4)

### 4. Creative Writing (20 units)

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- \* ENGL 207 - Beginning Creative Writing (4)

#### Select four from the following (16 units):

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- ENGL 392 - Statement and Literary Magazine Editing (1–4)
- ENGL 406 - Writing Nonfiction (4)
- ENGL 407 - Writing Fiction (4)
- ENGL 408 - Writing Poetry (4)
- TA 476 - Play Writing (4)
- TVF 465 - Seminar: Advanced Scriptwriting (4)

#### Note:

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Four units of ENGL 499 independent study may be included with advisor approval.

### 5. Communication (20 units)

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- COMM 267 - Introduction to Oral Interpretation (4)
- COMM 277 - Forensics (2)
- COMM 367 - Performance Studies (4)
- COMM 380 - Introduction to Rhetorical Studies (4)
- COMM 463 - Language and Communication Behavior (4)
- COMM 489 - Intercultural Communication (4)
- COMM 491 - Instructional Theories in Communication (4)

6. Theatre and Drama (20 units)

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- TA 152 - Analysis of Drama and Theatre (4)  
*General Education course*
- TA 311 - Development of World Theatre I (4)
- ENGL 493 - Approaches to Teaching Shakespeare's Plays (4)

**With advisor approval, select two from the following (8 units):**

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- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- COMM 467 - Theory and Method in Performance Studies (4) **also listed as**
- TAD 467 - Theory and Method in Performance Studies (4)  
**or**
- COMM 468 - Performance and Social Change (4) **also listed as**
- TAD 468 - Performance and Social Change (4)

## Department of Art

### DEPARTMENT OFFICE

Fine Arts 327

Phone: (323) 343-4010

FAX: (323) 343-4045

Website: [www.calstatela.edu/academic/art/](http://www.calstatela.edu/academic/art/)

Art is a means of creative communication and expression. The programs in the Department of Art offer students the opportunity to acquire a background of understanding and skills, and to develop their abilities in the visual arts. The programs prepare students for advanced professional study in art as well as for many professions in teaching, business, and industry. Students with career interests in animation, ceramics, graphic design, photography, illustration, computer graphics, painting, printmaking, sculpture, art history, fashion and textiles, and art education will find appropriate programs or courses of study in the department. The department also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

Students pursuing careers in other fields may benefit from combining the study of art with their professional preparation. The Bachelor of Arts degree program, and the Master of Arts and Master of Fine Arts degree programs are described below.

## The Faculty

**Professors:** Manuel Aguilar, Barbara Ann Boyer, Elizabeth Bryant, Mikyung Mika Cho, Abbas Daneshvari (Chair), Rebecca L. Davis, Michael Henderson, Carol S. Jeffers, Tony Longson, Robert Martin, Connie Utterback.

**Associate Professors:** Luis Bermudez, Tim Ebner, Carol F. Tunland.

**Assistant Professors:** Paul Anderson, Carol Lung, Jimmy Moss, Jim Ovelmen, Richard Wearn .

**Emeriti:** Walter M. Askin, Charles E. Borman, Marilyn Buccellati, Jack Butler, Susan B. Cash, Peter Marc Damien, Geraldine Dimondstein, Wachtang Djobadze, Daniel Douke, Robert Fiedler, Edward C. Forde, John Funakura, Virginia Hoffman, Malcolm A. McClain, Gray Phillips, Robert D. Reeser, Carolyn Radakovich, Jeanne Schnitzler, Joe Soldate.

## Exhibitions of Work

The Fine Arts Gallery of the Department of Art presents exhibitions of artwork by established professional artists as well as by faculty and students. Graduate student thesis exhibitions are presented quarterly in the gallery. In addition, the student-run exhibition space, COMA Gallery, presents rotating exhibitions of Cal State L.A. student artwork. All exhibitions are free and open to the public.

## Graduate Program General Information

The Department of Art offers graduate programs that lead to Master of Arts and Master of Fine Arts degrees. These programs involve students in advanced studies and artistic practices that provide an understanding of art as a humanistic and cultural activity. In addition, these degrees provide a sound foundation for students pursuing professional careers in various fields of art, and may be the basis for further education in the field.

## Programs for this Department

**Undergraduate Major**

**Art, B.A.**

**Undergraduate Minor**

**Art Minor**

**Undergraduate Certificate**



**Undergraduate Certificate Program in Fashion Design**  
**Undergraduate Certificate Program in Fashion Merchandising**

**Graduate Major**

**Art, M.A.**

**Art, M.F.A.**

**Credential**

**Art Credential Program**

## Art, B.A.

The program for the Bachelor of Arts degree in Art is structured so that students have the opportunity to acquire an understanding of the variety of subjects encompassed within the visual arts as well as to develop excellence in a specific area.

The total number of units required for the Bachelor of Arts degree in Art is 180 units, of which 93-98 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (93 - 98 units)

All students majoring in Art participate in an exploratory and fundamental core program of 24 lower division units and must take the course ART 356 Written Expression in the Visual Arts.

Completion of lower division core courses or their equivalent and achievement of upper division standing are prerequisite to admission to upper division art courses. Students not majoring or minoring in Art must have consent of the instructor.

Credit for ART 499, if taken, is limited to 9 units, with no more than 3 units in any one quarter. Nine units may be used for electives.

### Required Core (28 Units)

#### Required Lower Division Core (24 units)

- ART 101A - World Art (4)
- ART 101B - World Art (4)
- ART 101C - World Art (4)
- ART 103 - Two-Dimensional Art Fundamentals (4)
- ART 109 - Three-Dimensional Art Fundamentals (4)
- ART 159 - Survey and Studio: Introduction to Drawing (4)

#### Required Upper Division Course (4 units)

- ART 356 - Written Expression in Visual Arts (4)

### Options

Students choose one of the following options to complete their major. Prerequisites to admission to an option are completion of the lower division core.

- Animation Option
- Graphic Design/Visual Communication Option
- Art Education Option
- Studio Arts Option
- Art History Option
- Fashion and Textiles Option

### Animation Option (70 units)

The Animation Option provides a thorough education in the creative, practical and historical uses of animation. The option encourages an experimental approach to animation combining traditional and contemporary techniques.

#### Required Lower Division Courses (10 units)

- ART 244A - Introduction to Life Composition (2)
- ART 244B - Introduction to Life Composition (2)
- ART 244C - Introduction to Life Composition (2)
- Art 280 - World Animation History (4)

#### Required Upper Division (44 units)

- ART 333 - Color Theory and Perception (4)
- ART 376 - Story and Visualization (4)
- ART 378 - Art and Motion (4)
- ART 380 - Two-Dimensional Animation (4)
- ART 381 - Experimental Animation (4)
- ART 383 - Digital Modeling (4)

- ART 494 - Three-Dimensional Animation (4)
- ART 496 - Advanced Animation (4)
- ART 498 - Capstone Animation Project (4) **(12 units)**

#### **Upper Division Elective Courses (16 units)**

Select from the following:

- 
- ART 303 - Three-Dimensional Design (4)
  - ART 314 - Intermediate Sculpture (4)
  - ART 364 - Intermediate Drawing (4)
  - ART 374 - Intermediate Painting (4)
  - ART 377\* - Intermediate Photography (4)
  - ART 388 - Illustration (4)
  - ART 426 - Modern Art (4)
  - ART 449 - Video for Artists (4)
  - ART 474\* - Printmaking: Etching (3)
  - ART 477 - History of Photography (4)
  - ART 488 - Advanced Illustration (4)

#### **Graphic Design/Visual Communication Option (69 units)**

The Graphic Design/Visual Communication Option provides an understanding of visual communication design theory and practice necessary for careers or further study in fields of visual communication.

##### **Required Lower Division Courses (17 units)**

- ART 180 - Introduction to Computer Graphics I (3)
- ART 181 - Introduction to Computer Graphics II (3)
- ART 203 - Advanced Two-Dimensional Art Fundamentals (4)
- ART 237 - History of Design (4)
- ART 220 - Concept Development (3)

##### **Elective Lower Division Courses (4 units)**

Select 4 units from the following:

- 
- ART 244A - Introduction to Life Composition (2)
  - ART 244B - Introduction to Life Composition (2)
  - ART 287\* - Introduction to Photographic Processes (4)

##### **Required Upper Division Courses (24 units)**

- ART 308 - Graphic Design I (4)
- ART 313 - Letterform (4)
- ART 322 - Interactive Design I (4)
- ART 333 - Color Theory and Perception (4)
- ART 413 - Typography I (4)
- ART 492G - Senior Capstone - Graphic Design / Visual Communication (4)

##### **Upper Division Elective Courses (24 units)**

Select from the following:

- 
- ART 364 - Intermediate Drawing (4)
  - ART 388 - Illustration (4)
  - ART 390 - Art and Design in the Community (4)
  - ART 408 - Graphic Design II (4)
  - ART 418 - Business Principles and Practices for Artists and Designers (4)
  - ART 419 - Typography II (4)
  - ART 422 - Interactive Design II (4)
  - ART 437 - Contemporary Design History (4)
  - ART 445 - Advertising Art Direction (4)
  - ART 454L,P - Special Topics in Art (1–4)
  - ART 468 - Problems in Advanced Design (4)
  - ART 488 - Advanced Illustration (4)
  - ART 493 - Digital Image Processing and Illustration (4)
  - ART 495 - Directed Fieldwork In Art (4)

#### **Art Education Option (66 units)**

The Art Education Option provides art majors with opportunities to prepare for art teaching careers and to qualify for the Single Subject Teaching Credential in Art. The option presents a professional preparation program, which is certified by the California Commission on Teacher Credentialing, and is designed to enable teacher candidates to perform successfully on the CSET examination. For more information see the Charter College of Education section for regulations governing all teaching credential programs.

##### **Required Lower Division Courses (19 units)**

- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- ART 155 - Survey and Studio: Introduction to Painting (4)
- ART 180 - Introduction to Computer Graphics I (3)
- ART 244A - Introduction to Life Composition (2)
- ART 244B - Introduction to Life Composition (2)
- ART 287\* - Introduction to Photographic Processes (4)

#### Required Upper Division Courses (27 units)

- ART 316 - Foundations of Art (4)
- ART 426 - Modern Art (4)
- ART 400\* - Elementary Classroom Visual Art (3)
- ART 460 - Multicultural Approaches to Visual Arts (4)
- ART 475 - Visual Arts and Human Development (4)
- PHIL 475 - Aesthetics (4)
- ART 492E - Senior Capstone - Art Education (4)

#### Upper Division Elective Courses (20 units)

Select art courses from the Studio Arts Option, Art History Option, Animation Option, or Graphic Design/ Visual Communication Option.

As part of the upper division elective courses, students must complete an intermediate and advanced level course in one specific area of either the Studio Arts Option or the Graphic Design/Visual Communication Option.

#### Required Service Learning Course

At least one of the following service learning courses must be completed as part of the BA degree:

- ART 209 - Perspectives on Art, Diversity, and World Culture (4)
- ART 317 - Visual Arts in Urban Contexts (4)
- ART 495 - Directed Fieldwork In Art (4)

### Studio Arts Option (65 units)

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The Studio Arts Option provides theory and practice for the development of perceptual and conceptual abilities needed to engage in creative visual expression.

#### Required Lower Division Courses (22 units)

- ART 150 - Survey and Studio: Introduction to Sculpture (4)
- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- ART 155 - Survey and Studio: Introduction to Painting (4)
- ART 244A - Introduction to Life Composition (2)
- ART 244B - Introduction to Life Composition (2)
- ART 244C - Introduction to Life Composition (2)
- ART 287\* - Introduction to Photographic Processes (4)

#### Required Upper Division Courses (11 units)

- ART 401 - Proseminar: Critical Theories in Visual Arts (3)
- ART 426 - Modern Art (4)
- ART 492S - Senior Capstone - Studio Arts (4)

#### Upper Division Elective Courses (32 units)

Select from the following:

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- ART 307\* - Intermediate Ceramic Art (4)
- ART 314 - Intermediate Sculpture (4)
- ART 364 - Intermediate Drawing (4)
- ART 374 - Intermediate Painting (4)
- ART 377\* - Intermediate Photography (4)
- ART 380 - Two-Dimensional Animation (4)
- ART 387\* - Color Photography (4)
- ART 402 - Advanced Color Photography (4)
- ART 412\* - Advanced Ceramic Art (4)
- ART 414 - Advanced Painting (4)
- ART 417\* - Advanced Ceramic Processes (4)
- ART 429 - Advanced Sculpture (4)
- ART 434 - Advanced Painting Processes (4)
- ART 449 - Video for Artists (4)
- ART 454L,P - Special Topics in Art (1–4)
- ART 474\* - Printmaking: Etching (3)
- ART 477 - History of Photography (4)
- ART 482 - Photographic Manipulations and Extensions (4)
- ART 484 - Advanced Sculpture Processes (4)
- ART 487 - Advanced Photography (4)
- ART 494 - Three-Dimensional Animation (4)

### Art History Option (68 units)

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The Art History Option provides historical and developmental study of art in most of the world civilizations. It is intended to develop the

student's ability to evaluate and comprehend concepts and issues within this cultural heritage.

#### **Required Lower Division Courses (8 units)**

Select from the following:

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- ART 244A - Introduction to Life Composition (2)
- ART 244B - Introduction to Life Composition (2)
- ART 244C - Introduction to Life Composition (2)
- ART 150 - Survey and Studio: Introduction to Sculpture (4)
- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- ART 155 - Survey and Studio: Introduction to Painting (4)

#### **Required Upper Division Courses (32 units)**

- ART 426 - Modern Art (4)
- ART 492A - Senior Capstone - Art History (4)

Select one course from each of the following groups.

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#### **Group A: Ancient Art**

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- ART 406 - Ancient Near Eastern Art and Archaeology (4)
- ART 411 - Greek and Roman Art (4)

#### **Group B: Medieval Art**

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- ART 476 - Early Christian and Byzantine Art (4)
- ART 416 - Medieval Art (4)

#### **Group C: Renaissance-Baroque Art**

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- ART 436 - Renaissance Art (4)
- ART 421 - Baroque Art (4)
- ART 451 - Mannerism: High Renaissance to Baroque (4)

#### **Group D: Latin American Art**

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- ART 446 - Art of Latin America (4)
- ART 447 - The Art of Mesoamerica and the Southwest (4)
- ART 450 - The Colonial Art of Mexico and Guatemala (4)
- ART 453 - Aztec Art and Culture (4)
- ART 456 - Art of the Ancient Andes (4)
- ART 457 - Mexican Muralists and Frida Kahlo (4)

#### **Group E: Asian, African, Oceanic Art**

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- ART 431A - The Arts of Asia: India and Iran (4)
- ART 431B - The Arts of Asia: China and Japan (4)
- ART 481 - African Art (4)

#### **Group F: Contemporary Art**

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- ART 441 - American Art (4)
- ART 466 - Nineteenth Century Art (4)
- ART 491 - Art Since 1945 (4)

#### **Upper Division Elective Courses (28 units)**

Select electives from courses in Groups A-F (not previously taken), and from the following.

- ART 454L,P - Special Topics in Art (1-4)
- ART 469 - Historic Textiles (4)
- ART 471 - History of Costume (4)
- ART 477 - History of Photography (4)

#### **Fashion and Textiles Option (66-67 units)**

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The Fashion and Textiles Option provides students with a sound foundation in the visual arts as well as an understanding of the cultural and

social basis of human appearance and adornment. The program of study prepares students for careers in the full range of fashion and textile design, merchandising, and manufacturing.

Students may select one of three specializations within the option: Fashion Design, Fashion Merchandising, or Textiles.

Students who select this option complete the required Art Core and 47 units in the fashion core. In addition, 19-20 units are required in a chosen specialization.

#### **Recommended General Education Support Courses (12 units)**

- ECON 150 - Economics for the Citizen (4)
- PSY 150 - Introductory Psychology (4)
- SOC 201 - Principles of Sociology (4)
- ANTH 250 - Cultural Anthropology (4)

#### **Required Fashion Core (47 units)**

##### Required Lower Division Courses (19 units)

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- ART 106 - Apparel Construction I (3)
- ART 156 - Survey & Studio: Textiles and Apparel (4)
- ART 204 - Fashion Design: Flat Pattern I (4)
- ART 206 - Fashion Merchandising Concepts (4)
- ART 208 - Textiles (4)

##### Required Upper Division Courses (28 units)

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- ART 302 - Social Aspects of Fashion (4)
- ART 362 - Textile and Apparel Analysis (4)
- ART 420 - Textile and Apparel Economics (4)
- ART 442 - Advanced Textiles (4)
- ART 469 - Historic Textiles (4)
- ART 471 - History of Costume (4)
- ART 492F - Senior Capstone - Fashion and Textiles (4)

#### **Required Specialization Courses (19-20 units)**

Select one of the following specializations with adviser approval.

##### Fashion Design (19 units)

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- ART 108 - Apparel Construction II (3)
- ART 304 - Fashion Design: Flat Pattern II (4)
- ART 384 - Computers in Fashion Design (4)
- ART 459 - Advanced Fashion Design Processes (4)
- ART 489 - Advanced Fashion Design (4)

##### Fashion Merchandising (20 units)

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- ART 382 - Computers in Fashion Merchandising (4)
- ART 430 - Fashion Merchandising Processes (4)
- ART 444 - Fashion Promotion (4)
- MKT 304 - Principles of Marketing (4)
- MGMT 307 - Management and Organizational Behavior (4)

##### Textiles (20 units )

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- ART 202 - Textile Structures (4)
- ART 203 - Advanced Two-Dimensional Art Fundamentals (4)
- ART 338 - Textile Design (4)
- ART 386 - Computers in Textiles (4)
- ART 438\* - Advanced Textile Design (4)

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## Art Minor

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A minor in Art is available for students majoring in other fields. A minimum of 45 units is required, including at least 22 units of upper division courses.

### Requirements for the Minor (45 units)

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#### Required Lower Division Courses (16 units)

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- ART 101A - World Art (4)  
or
- ART 101B - World Art (4)  
or
- ART 101C - World Art (4)
  
- ART 103 - Two-Dimensional Art Fundamentals (4)
- ART 109 - Three-Dimensional Art Fundamentals (4)
- ART 159 - Survey and Studio: Introduction to Drawing (4)

#### Lower Division Electives: (7-8 units)

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Select from the following:

- ART 180 - Introduction to Computer Graphics I (3)
- ART 150 - Survey and Studio: Introduction to Sculpture (4)
- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- ART 155 - Survey and Studio: Introduction to Painting (4)
- ART 203 - Advanced Two-Dimensional Art Fundamentals (4)

#### Required Upper Division Course (4 units)

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- ART 426 - Modern Art (4)

#### Upper Division Electives (18 units)

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Select art courses from at least two of the option programs.

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## Undergraduate Certificate Program in Fashion Design

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The Department of Art offers an undergraduate credit certificate program in Fashion Design that prepares individuals for career positions in fashion design. The program includes technical methods, theory, and creative concepts. A total of 42 units is required for completion of the certificate program, as outlined below. Refer to the Undergraduate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Requirements for the Certificate (42 units)

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#### Required Courses (30 units)

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- ART 103 - Two-Dimensional Art Fundamentals (4)
- ART 106 - Apparel Construction I (3)
- ART 108 - Apparel Construction II (3)
- ART 204 - Fashion Design: Flat Pattern I (4)
- ART 208 - Textiles (4)
- ART 304 - Fashion Design: Flat Pattern II (4)
- ART 459 - Advanced Fashion Design Processes (4)
- ART 489 - Advanced Fashion Design (4)

#### Electives (12 units)

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Select from the following:

- ART 203 - Advanced Two-Dimensional Art Fundamentals (4)
- ART 206 - Fashion Merchandising Concepts (4)
- ART 302 - Social Aspects of Fashion (4)
- ART 333 - Color Theory and Perception (4)
- ART 384 - Computers in Fashion Design (4)
- ART 386 - Computers in Textiles (4)
- ART 469 - Historic Textiles (4)
- ART 471 - History of Costume (4)

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## Undergraduate Certificate Program in Fashion Merchandising

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The Department of Art offers an undergraduate credit certificate program in Fashion Merchandising that prepares individuals for career positions in the fashion industry. The program includes technical information, theory, and creative concepts. A total of 40 units is required for completion of the certificate program, as outlined below. Refer to the Undergraduate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Requirements for the Certificate (40 units)

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#### Required Courses (32 units)

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- ART 206 - Fashion Merchandising Concepts (4)
- ART 208 - Textiles (4)
- ART 302 - Social Aspects of Fashion (4)
- ART 362 - Textile and Apparel Analysis (4)
- ART 420 - Textile and Apparel Economics (4)
- ART 430 - Fashion Merchandising Processes (4)
- ART 444 - Fashion Promotion (4)
- ART 495 - Directed Fieldwork In Art (4)

#### Electives (8 units)

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Select from the following:

- ART 204 - Fashion Design: Flat Pattern I (4)
- ART 382 - Computers in Fashion Merchandising (4)
- ART 442 - Advanced Textiles (4)
- MKT 304 - Principles of Marketing (4)
- MKT 341 - Salesmanship (4)
- MKT 344 - Principles of Retailing (4)

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## Art, M.A.

The Master of Arts degree is a 45-unit graduate program that provides an opportunity to increase artistic growth, and gain a strong educational and experiential basis for a professional career in the visual arts. The degree is offered in the options of studio art, design, art history, art education, and fashion and textiles.

### **Details and specific course Requirements of the various Master of Arts and Master of Fine Arts degree programs follow.**

The next sections refer specifically to the procedures and requirements for admission to, advancement through, and completion of the various graduate degree programs in the Department of Art.

#### **Admission Procedure**

Admission to the graduate program at California State University, Los Angeles and the Department of Art requires admission by the university and admission into a specific option degree program in the department.

#### ***Admission to the University***

Applicants must file a complete application as described in the CSU admission booklet. Admission to the university is required prior to admission to the department graduate program.

#### ***Admission to a specific option degree program in Art***

In addition to the university requirements, an applicant must have a baccalaureate degree in art from an accredited institution or complete the undergraduate requirements specified by one of the following options:

- **Studio Arts**
- **Design**
- **Art History**
- **Art Education**
- **Fashion and Textiles**

A review committee in each option admits applicants based on their preparation and demonstrated abilities to complete advanced study at the graduate level.

#### Applicant Review Schedule

Reviews for admission to the department graduate programs are scheduled in Fall, Winter and Spring quarters.

#### Deadlines for submitting review Materials:

Fall Quarter	Second Friday in April
Winter Quarter	Second Friday in October
Spring Quarter	Second Friday in January

#### MA/MFA Admission Review:

#### Option Requirements

##### *Studio Arts Option*

(painting, drawing, ceramics, sculpture, photography) Applications are reviewed by the studio arts review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in studio arts.

### *Design Option*

(graphic design, illustration, computer animation) Applications are reviewed by the design review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in design.

### *Art History Option*

Applications are reviewed by the Art History review committee and must include:

- **Portfolio of three art history research papers**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in 24 upper division units in art history. Applicants must successfully complete 12 units of first-year French or German prior to achieving classified standing.

### *Art Education Option*

Applications are reviewed by the art education review committee and must include:

- **Educational portfolio of applicant's own creative work and/or applicant's student work, lesson/unit plans, and writing samples.**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in 24 upper division units in Art.

### *Fashion and Textiles Option*

Applications are reviewed by the fashion and textiles review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation,**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in fashion and textiles.

For specific details of option requirements, applicants may write or call the Department of Art at 323-343-4010.

### **Admission Status:**

Applicants who are admitted to by the University and pass the department option review are assigned either classified or conditionally classified status.

### **Classified Status:**

Student has met all the university and department requirements, including option writing requirements, passed the department option review, and filed an approved graduate program.

### **Conditionally Classified Status:**

Student has not fulfilled one or more requirements in the following areas: GPA, prerequisites, portfolio, or writing. Conditionally classified students may enroll in courses under the guidance of an option adviser to fulfill requirements; however, the MA/MFA admission review must be repeated. Coursework taken as a conditionally classified graduate student to fulfill undergraduate prerequisites may not be used to satisfy any unit requirement for the graduate degree programs.

### **Advancement to Candidacy**

Candidacy denotes that the student is fully qualified to complete the final stages of the MA or MFA degree and is thus eligible to enroll in ART 599 or 599M. In order to attain candidacy, the student must meet the university requirements for admission to candidacy as outlined in the catalogue and satisfactorily complete the graduate writing requirement. In addition, students must have completed a minimum of 23 units for the MA degree, or 45 units for the MFA degree on the official program with a minimum grade point average of 3.0; and secure commitment of three tenured/tenure-track faculty members of the department to serve as members of the student's MA/MFA project or thesis committee, with one member agreeing to serve as chair. This committee must approve the student's project proposal or thesis proposal as well as the final project or thesis. Additional information regarding advancement to candidacy is available from the department office.

## Requirement for the Degree (45 units)

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A total of 45 units is required, with a minimum of 33 units in Art and at least half in 500-level courses. All students are required to complete ART 599 Graduate Thesis/Project, as appropriate to the option. Consultation with a graduate adviser is required for development and approval of a graduate program, which includes the following:

### Note:

*ART 400\*, 401, and 499 may not be applied to any MA degree program, with one exception: ART 400\* may be applied in the Art Education Option.*

## Options

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- Studio-Arts Option
- Design Option
- Art History Option
- Art Education Option
- Fashion and Textiles Option

### Required Courses for All Options (10 units)

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- ART 501A - Seminar: Ancient Art History (3) **or**
- ART 501B - Seminar: Art History of Changing Eras (3) **or**
- ART 501C - Seminar: Contemporary Art History (3)
- ART 507 - Perspectives on Visual Art, Aesthetics, and Culture (3)
- ART 531 - Research Methodologies in Art (4)

#### Studio-Arts Option (35 units)

Required Courses (6)

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- ART 502M - MFA Seminar: Visual Arts (3)
- ART 504M - MA/MFA Seminar: Studio Art (3)

#### Option Electives (23 units)

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##### Select from the following (12 units) \*

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All courses may be repeated

- ART 504M - MA/MFA Seminar: Studio Art (3)
- ART 512 - Graduate Photography (3)
- ART 517 - Graduate Ceramics (3)
- ART 544 - Graduate Painting and Drawing (3)
- ART 584 - Graduate Sculpture (3)

#### Additional Electives (11 units)

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##### Select 400 and 500-level courses in Art.

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Up to 4 units from other departments may be included with adviser approval.

#### Graduate Thesis (6 units)

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- ART 599 - Thesis or Project (1–6)

#### Design Option (35 units)

Required Courses (6 units)

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- ART 502M - MFA Seminar: Visual Arts (3)
- ART 508M - MA/MFA Seminar: Design (3)

#### Option Electives (23 units)

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**Select from the following (12 units)\***

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All courses may be repeated

- ART 503 - Graduate Problems in Design (3)
- ART 508M - MA/MFA Seminar: Design (3)
- ART 522 - Graduate Interactive Design (3)
- ART 594 - Graduate Computer Animation (3)

**Additional Electives (11 units)**

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**Select 400 and 500-level courses in Art.**

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Up to 4 units from other departments may be included with adviser approval.

**Graduate Thesis (6)**

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- ART 599 - Thesis or Project (1–6)

**Art History Option (35 units)**

Required Courses (6 units)

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Art History Option students are required to take all three sections.

- ART 501A - Seminar: Ancient Art History (3)
- ART 501B - Seminar: Art History of Changing Eras (3)
- ART 501C - Seminar: Contemporary Art History (3)

**Option Electives (23 units)**

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Select from 400 and 500 – level courses in Art History (12 units)

**Additional Electives (11 units)**

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Select 400 and 500-level courses in Art. Up to 4 units from other departments may be included with adviser approval.

**Graduate Thesis: (6 units)**

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- ART 599 - Thesis or Project (1–6)

**Art Education Option (35 units)**

Required Courses (9 units)

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- ART 500 - Seminar: Art Education (3) (6)
- ART 505 - Research in Art Education (3)

**Option Electives (20 units)**

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Select 400 and 500-level courses in art. The following courses are required for the single subject credential in art.

- ART 400\* - Elementary Classroom Visual Art (3)
- ART 460 - Multicultural Approaches to Visual Arts (4)
- ART 475 - Visual Arts and Human Development (4)
- ART 492E - Senior Capstone - Art Education (4)

**Graduate Thesis: (6 units)**

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- ART 599 - Thesis or Project (1–6) (6)

**Fashion and Textiles (35 units)**

Required courses (14 units)

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- ART 506 - Fashion & Textiles: Experimentation in Design (3)
- ART 509 - Seminar: Fashion and Textiles (3)
- ART 514 - Fashion and Textiles in Cultural Contexts (4)
- ART 577 - Graduate Problems in Fashion (4)

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### Option Electives (15 units)

Select 400 and 500-level courses in Art. Up to 12 units from other departments may be included with adviser approval.

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### Graduate Thesis: (6 units)

- ART 599 - Thesis or Project (1–6) (6)

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## Completing Requirements for the MA

All students must meet University requirements for the masters degree as outlined In the catalog, including demonstration of competence in written English. In addition, department requirements must be satisfactorily completed using one of the plans below.

The Department of Art offers two Plans for attaining the MA: Written Thesis or Creative Project.

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### Plan A. Written Thesis

A thesis is required for students in Art Education, Art History, and Fashion and Textiles Options.

1. Option Requirements: The graduate program must include a total of 45 units, with a minimum of 33 units in art and at least half in 500-level courses, including the required seminars and Art 599 Graduate Thesis. Electives to complete the remaining units may be drawn from approved 400 and 500-level courses. Students must meet the requirements of the designated option. Graduate advisers must be consulted regarding specific option requirements.
2. Thesis: The thesis must meet stipulated University requirements. After advancement to candidacy the thesis will be written under the guidance of the candidate's thesis committee chair with the assistance of the thesis committee. The thesis must be approved by the thesis committee and the department chair, and filed with the Library Thesis Coordinator according to timelines established.

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### Plan B. Creative Project

The Creative Project is required for students in Studio Arts and Design.

1. Option Requirements: The graduate program must include a total of 45 units, with a minimum of 33 units in art and at least half in 500-level courses, including the required seminars and Art 599 Graduate Project. Electives to complete the remaining units may be drawn from approved 400 and 500-level courses. Students must meet the requirements of the designated option, Graduate advisers must be consulted regarding specific option requirements.
2. Progress Reviews: Continuation in the MA graduate program in Studio Arts and Design is determined by progress reviews of each student's project by the Option Review Committee. These reviews are held upon completion of Advancement to Candidacy with the approval of the graduate adviser, and at intervals during the development of the project.
3. Exhibition: After Advancement to Candidacy the project is developed under the guidance of the candidate's project chair with the assistance of the project committee. Upon the committee's approval of the completed work, Studio Arts and Design projects will be appropriately exhibited in accordance with department requirements.
4. Written Abstract: All candidates must submit a written abstract of the project, following the stipulated university requirements. The abstract includes the project's significance, objectives, methodology, and a conclusion or recommendation. Visual documentation (i.e., slides, video, CD) of the project must be included in the report. The project and written abstract must be approved by the candidate's project committee and department chair, and filed with the Library Thesis Coordinator according to timelines established.

## Art, M.F.A.

The Master of Fine Arts degree is a 90-unit graduate program that provides rigorous study for students with a strong direction and focus in art and a high level of technical proficiency. The program is highly selective and provides advanced study and practice in preparation for professional careers in art or teaching in higher education. Graduates are prepared to take their places in the visual arts community. The degree is offered in the options of studio arts and design.

### **Details and specific course Requirements of the various Master of Arts and Master of Fine Arts degree programs follow.**

The next sections refer specifically to the procedures and requirements for admission to, advancement through, and completion of the various graduate degree programs in the Department of Art.

#### **Admission Procedure**

Admission to the graduate program at California State University, Los Angeles and the Department of Art requires admission by the university and admission into a specific option degree program in the department.

#### ***Admission to the University***

Applicants must file a complete application as described in the CSU admission booklet. Admission to the university is required prior to admission to the department graduate program.

#### ***Admission to a specific option degree program in Art***

In addition to the university requirements, an applicant must have a baccalaureate degree in art from an accredited institution or complete the undergraduate requirements specified by one of the following options:

- **Studio Arts**
- **Design**
- **Art History**
- **Art Education**
- **Fashion and Textiles**

A review committee in each option admits applicants based on their preparation and demonstrated abilities to complete advanced study at the graduate level.

#### Applicant Review Schedule

Reviews for admission to the department graduate programs are scheduled in Fall, Winter and Spring quarters.

#### Deadlines for submitting review Materials:

Fall Quarter	Second Friday in April
Winter Quarter	Second Friday in October
Spring Quarter	Second Friday in January

#### MA/MFA Admission Review:

#### Option Requirements

##### *Studio Arts Option*

(painting, drawing, ceramics, sculpture, photography) Applications are reviewed by the studio arts review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in studio arts.

### *Design Option*

(graphic design, illustration, computer animation) Applications are reviewed by the design review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in design.

### *Art History Option*

Applications are reviewed by the Art History review committee and must include:

- **Portfolio of three art history research papers**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in 24 upper division units in art history. Applicants must successfully complete 12 units of first-year French or German prior to achieving classified standing.

### *Art Education Option*

Applications are reviewed by the art education review committee and must include:

- **Educational portfolio of applicant's own creative work and/or applicant's student work, lesson/unit plans, and writing samples.**
- **A statement of applicant's objectives**
- **Two letters of recommendation**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in 24 upper division units in Art.

### *Fashion and Textiles Option*

Applications are reviewed by the fashion and textiles review committee and must include:

- **Portfolio of creative work**
- **A statement of applicant's objectives**
- **Two letters of recommendation,**
- **A copy of academic transcripts**

An interview with the review committee may be requested. Applicants must have a minimum 3.0 grade point average in upper division courses in fashion and textiles.

For specific details of option requirements, applicants may write or call the Department of Art at 323-343-4010.

### **Admission Status:**

Applicants who are admitted to by the University and pass the department option review are assigned either classified or conditionally classified status.

### **Classified Status:**

Student has met all the university and department requirements, including option writing requirements, passed the department option review, and filed an approved graduate program.

### **Conditionally Classified Status:**

Student has not fulfilled one or more requirements in the following areas: GPA, prerequisites, portfolio, or writing. Conditionally classified students may enroll in courses under the guidance of an option adviser to fulfill requirements; however, the MA/MFA admission review must be repeated. Coursework taken as a conditionally classified graduate student to fulfill undergraduate prerequisites may not be used to satisfy any unit requirement for the graduate degree programs.

### **Advancement to Candidacy**

Candidacy denotes that the student is fully qualified to complete the final stages of the MA or MFA degree and is thus eligible to enroll in ART 599 or 599M. In order to attain candidacy, the student must meet the university requirements for admission to candidacy as outlined in the catalogue and satisfactorily complete the graduate writing requirement. In addition, students must have completed a minimum of 23 units for the MA degree, or 45 units for the MFA degree on the official program with a minimum grade point average of 3.0; and secure commitment of three tenured/tenure-track faculty members of the department to serve as members of the student's MA/MFA project or thesis committee, with one member agreeing to serve as chair. This committee must approve the student's project proposal or thesis proposal as well as the final project or thesis. Additional



information regarding advancement to candidacy is available from the department office.

## Options

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- Studio Arts Option
- Design Option

### Requirements for the degree: (90 units)

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A total of 90 units is required, with a minimum of 82 units in art and at least 60 units in 500-level courses. All students are required to complete ART 599M MFA Project. Applicants holding a MA degree in art may apply 30 units of eligible coursework toward the MFA degree with adviser approval. Consultation with a graduate adviser is required for development and approval of a graduate program, which includes the following:

**Note:**

ART 400\*, 401, 415, and 499 may not be applied to any MFA degree program.

### Required Courses (28 units)

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- ART 501A - Seminar: Ancient Art History (3) **or**
- ART 501B - Seminar: Art History of Changing Eras (3) **or**
- ART 501C - Seminar: Contemporary Art History (3)
- ART 502M - MFA Seminar: Visual Arts (3)
- ART 507 - Perspectives on Visual Art, Aesthetics, and Culture (3)
- ART 531 - Research Methodologies in Art (4)
- ART 595M - MFA Professional Field Work in Art (1–9) **(6 units required)**
- ART 598M - MFA Directed Study (1–12) **(9 units required)**

### Required Option Courses (6 units)

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#### Studio Arts Option

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- ART 504M - MA/MFA Seminar: Studio Art (3) **(6 units required)**

#### Design Option

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- ART 508M - MA/MFA Seminar: Design (3) **(6 units required)**

**Option Electives (18 units)**

Select 18 units of 500 level courses within the designated option. (Studio Arts or Design Option)

### Required Courses in Art History: (8 units)

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Select 8 units of 400 or 500-level art history courses.

### Electives in Art: (13 units)

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Select 13 units of 400 or 500-level electives in art.

### Electives in related areas: (8 units)

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Select 8 units of 400 or 500 level electives from departments outside of art.

### Graduate Project: (9 units)

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- ART 599M - MFA Project (1–12) **(9 units required)**

## Completing Requirements for the MFA

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All students must meet university requirements for the Master of Fine Arts degree as outlined in the catalog including demonstration of competence in written English. MFA candidates must exhibit their graduate project and submit a project abstract according to stipulated department and university requirements.

### MFA Project

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MFA students are required to complete and exhibit an advanced visual arts project in Studio Arts or Design.

1. **Option Requirements:** The graduate program must include a total of 90 units, with a minimum of 82 units in art and at least 60 units in 500-level courses, including the required seminars and ART 599M MFA Project. Electives to complete the remaining units may be drawn from approved 400 and 500-level courses. Students must meet the requirements of the designated option. Graduate advisers must be consulted regarding specific option requirements.

2. **Progress Reviews:** Continuation in the MFA graduate program in Studio Arts and Design is determined by progress reviews of each student's project by the Option Review Committee. These reviews are held upon completion of Advancement to Candidacy with the approval of the graduate adviser, and at intervals during the development of the project.
3. **Exhibition:** After Advancement to Candidacy the project is developed under the guidance of the candidate's project chair with the assistance of the project committee. Upon the committee approval of the completed work, Studio Arts and Design projects will be appropriately exhibited in accordance with department requirements.
4. **Written Abstract:** All candidates must submit a written abstract of the project following the stipulated university requirements. The abstract includes the projects significance, objectives, methodology, and a conclusion or recommendation. Visual documentation (i.e., slides, video, CD) of the project must be included in the report. The project and written abstract must be approved by the candidate's project committee and department chair, and filed with the library thesis coordinator according to timelines established.

## Art Credential Program

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The Bachelor of Arts degree in Art with the credential option has been approved by the Commission on Teacher Credentialing for the Single Subject credential in Art. Interested students should consult advisers in the department and in the Charter College of Education.

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## Department of Communication Studies

### DEPARTMENT OFFICE

Music 104

Phone: (323) 343-4200

FAX: (323) 343-6467

Website: <http://www.calstatela.edu/academic/comstud/>

The Department of Communication Studies offers undergraduate programs leading to a Bachelor of Arts degree in Communication and a minor in Communication. It also offers a graduate program leading to the Master of Arts degree in Communication Studies with options in Communication and in Telecommunications and Film. These graduate programs are described following the undergraduate programs. For more information, please refer to University Programs.

## The Faculty

**Professors:** : Bryant Alexander, Mohammad Auwal, Kevin Baaske, Chunsheng Bai, Beryl L. Bellman, Lena Chao, David Olsen (Chair).

**Associate Professors:** D. Robert Dechaine.

**Assistant Professors:** Melissa Broeckelman-Post.

**Emeriti:** W. Keith Henning, Michael P. Kelley, Robert D. Kully.

## Programs for this Department

### Undergraduate Major

- Communication, B.A.

### Undergraduate Minor

- Communication Minor

### Graduate Major

- Communication Studies, M.A.

# Communication, B.A.



The Communication major is available in four options: Communication for Social Change and Rhetoric, Performance Studies, Organizational Communication and Public Relations, Interpersonal/Language and Social Interaction.

All options provide an understanding of the nature and functions of human symbolic communication. The scope of the program includes historical, philosophical, critical, cultural, and scientific approaches and methods and applies these to public discourse; interpersonal, small group and intercultural interactions; technologically mediated communication; aesthetic dimensions of speech and performance; and instructional development.

The Bachelor's Degree adds to the student's critical, methodological and presentational skills in dealing with a broad spectrum of communication contexts. It provides a foundation for careers in business, law, government service, health, the ministry, teaching, public relations, media communication, and other professions in which an understanding of and facility with the process of communication are essential.

The total number of units required for the Bachelor of Arts degree in Communication is 180 units, of which 76-80 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (76 units)

The Communication major requires a common core of 52 units: 8 lower division and 36 upper division units, plus 8 units of lower division electives. In addition, each option requires 24 units: 12 units of an upper division option core and an additional 12 units of upper division option electives to complete the degree.

### Core Requirements for the Communication Major (52 units)

Communication for Social Change and Rhetoric; Performance Studies; Organizational Communication and Public Relations; and Interpersonal/Language and Social Interaction Options.

#### Lower Division Required Course (8 units)

- COMM 130 - Introduction to Human Communication (4)
- COMM 176 - Argumentation (4)

#### Electives (8 units):

Select at least two of the following:

- COMM 267 - Introduction to Oral Interpretation (4)
- COMM 275 - Interpersonal Communication (4)
- COMM 276 - Argumentation and Reasoned Advocacy (4)
- COMM 277 - Forensics (2)
- COMM 278 - Problem Solving through Group Discussion (4)
- COMM 290 - Mediated Communication (4)

#### Upper Division Required Courses (36 units)

- COMM 300 - Applied Writing in Communication Studies (4)
- COMM 330 - Organizational Studies (4)
- COMM 367 - Performance Studies (4)
- COMM 380 - Introduction to Rhetorical Studies (4)
- COMM 450 - Communication Theory (4)
- COMM 477 - Qualitative Methods in Communication (4)
- COMM 487 - Quantitative Research Methods in Communication (4)
- COMM 489 - Intercultural Communication (4)

#### Capstone Experience

- COMM 498 - Capstone in Communication (4)

### Options (24 units)

Select one of the following four options. Each requires 3 core and 3 elective courses. Up to 8 units from outside the department may be used to substitute for upper division option elective courses with adviser's approval.

- Option in Communication for Social Change and Rhetoric

- Option in Performance Studies
- Option in Organizational Communication and Public Relations
- Option in Interpersonal Communication/Language and Social Interaction

## A. Option in Communication for Social Change and Rhetoric

---

### Required Core (12 units)

- COMM 470 - Theories of Rhetoric: Survey and Analysis (4)
- COMM 485 - Rhetorical Criticism (4)

And one of the following courses:

- 
- COMM 474 - Studies in National and International Public Discourse (4)
  - COMM 482 - Rhetorical Theory: Contemporary Developments (4)

### Electives (12 units)

Select any three upper division COMM courses.

## B. Option in Performance Studies

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### Required Core (12 units)

- COMM 467 - Theory and Method in Performance Studies (4) **also listed as**
- TAD 467 - Theory and Method in Performance Studies (4)
- COMM 468 - Performance and Social Change (4) **also listed as**
- TAD 468 - Performance and Social Change (4)

And one of the following courses:

- 
- COMM 486 - Communication and Cultural Studies (4)
  - COMM 490 - Studies in Children's Speech Arts (4)

### Electives (12 units)

Select any three upper division COMM courses.

## C. Option in Organizational Communication and Public Relations

---

### Required Core (12 units)

- COMM 430 - Dynamics of Organizational Communication (4)
- COMM 495 - Principles and Practices of Public Relations (4)

And one of the following course:

- 
- COMM 435 - Communication and Leadership (4)
  - COMM 497 - Managing Problems in Public Relations (4)

### Electives (12 units)

Select any three upper division COMM courses.

## D. Option in Interpersonal Communication/Language and Social Interaction

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### Required Core (12 units)

- COMM 440 - Relational Communication (4)
- COMM 463 - Language and Communication Behavior (4)

And one of the following courses:

- 
- COMM 462 - Nonverbal Communication (4)
  - COMM 479 - Sex Roles in Communication (4)

### Electives (12 units)

Select any three upper division COMM courses.

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## Communication Minor

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The Communication minor is designed for students interested in expanding their knowledge of the communication process, especially as it relates to their professional careers or related fields in the liberal arts. The Communication curriculum provides a variety of courses for students preparing for careers in community development, social services, health, safety, and recreation services, business and industry, criminal justice, law, education, industrial studies, mass media, and many others in which an understanding of the process and practice of communication is vital. A total of 32 units in COMM is required.

### Requirements for the Minor (32 units)

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#### Required Courses (8 units)

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- COMM 150 - Oral Communication (4)
- COMM 176 - Argumentation (4)

#### Electives (24 units)

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Select a program, in consultation with a departmental adviser, to meet the goals for which the minor is chosen. A minimum of 16 units must be taken in upper division courses.

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## Communication Studies, M.A.

The Master of Arts degree program in Communication Studies is available in two options: the Communication option and the Telecommunications and Film option. The option in Communication is designed to enable students to acquire an understanding of research methods and theories that explore the nature and functions of human symbolic communication in the areas of communication and rhetorical theory, interpersonal and organizational communication, public discourse, intercultural communication, and performance studies. The Telecommunications and Film option is designed to enable students to acquire an understanding of research methods and theories that explore industry structure, audience reception, as well as visual and structural examinations of media text. The program requires that students select and develop an area of specialization.

### Admission to the Program

In addition to University requirements for admission to graduate study, students must have a 3.00 grade point average. Applicants must submit directly to the department, the completed departmental application together with official transcripts of all previous college work, copy of TOEFL score if applicable, a writing sample, a statement of purpose, and a minimum of two letters of recommendation by persons qualified to assess the applicant's academic work. These materials must be received by the department by the following deadlines:

- Second Friday in April for admission to fall quarter
- Second Friday in October for admission to spring quarter
- Only complete application files with all required supporting materials will be reviewed by the department and assessed for admission.

Students applying to the Communication or Telecommunications and Film Option and whose undergraduate major was not Speech, Communication or Television, Film and Media Studies may be admitted to the degree program in conditionally classified standing. Prior to beginning graduate work, conditionally classified students must achieve a minimum B grade in every course of a conditional study plan up to 30 units of undergraduate work in Communication and related fields or in Telecommunications and Film and related fields, as approved by the graduate adviser for their program.

The graduate adviser will assist students in designing a classified study plan suited to their individual interests and goals.

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 32 in 500-level courses. Students may choose between two options: Communication or Telecommunications and Film.

For Communication, a minimum of 32 units in 500-level courses is required: 4 core courses (500, 502, 550, 580), and 4 courses of choice. For Telecommunication and Film-Critical Studies, a minimum of 32 units in 500-level seminars is required: 6 core courses (500, 501, 505, 506, 507, 515), and 2 courses of choice.

#### Electives (7-13 or 4 units)

Select 400 or 500-level Communication courses (7-13 units) or Telecommunications and Film courses (7-13 units for the critical studies concentration) with adviser approval: a maximum of 8 of these units may be in related fields with approval of adviser and department chair.

#### Comprehensive Examination (0 units), Thesis (4-6 units)

Students should expect to take the comprehensive examination, COMM 596 (0), within two quarters of completing all course work and must comply with college and departmental requirements. The comprehensive examination is regularly scheduled for the end of fall and spring quarters (typically the seventh and tenth weeks). Communication students will complete examinations in communication theory, rhetorical theory, and an area of specialization selected in consultation with the graduate adviser. Telecommunications and Film students will complete examinations in critical methodology, media criticism, and an area of specialization selected in consultation with the graduate adviser. Students will be allowed a maximum of two attempts to complete the comprehensive examinations successfully. Failure to pass the comprehensive examinations, or any portion thereof, will result in disqualification from the program.

A thesis may be substituted for the comprehensive examination, with prior approval of the Communication or Telecommunications and Film area, based on examination of the student's portfolio. Students authorized to submit a thesis must enroll in COMS 599 (4-6) for a cumulative minimum of 4 units.

### Options



- 
- Communication Option
  - Telecommunications and Film Option

## Communication Option (45 units)

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### Core Courses (16 units)

- COMS 500 - Graduate Scholarship in Communication Studies (4)
- COMS 502 - Seminar in Quantitative Communication Research Methods (4)
- COMS 550 - Seminar: Communication Theory (4)
- COMS 580 - Seminar: Rhetorical Studies (4)

### Graduate Level Seminars (16 units)

With adviser approval, select a minimum of 16 additional units from the following 500-level seminars:

- COMS 530 - Seminar: Organizational Communication (4)
- COMS 540 - Seminar: Interpersonal Communication (4)
- COMS 554 - Selected Topics in Communication Studies (1–4) (4-8)
- COMS 560 - Seminar: Language and Communication Behavior (4)
- COMS 562 - Seminar: Theories of Mass Media (4)
- COMS 567 - Seminar: Theories of Oral Interpretation (4)
- COMS 572 - Seminar: International Public Discourse (4)
- COMS 573 - Seminar: American Public Address (4)
- COMS 576 - Seminar: Argumentation, Discussion, and Debate (4)
- COMS 589 - Seminar: Intercultural Communication (4)

### Electives (7-13 units)

Select 400-level COMM, 500-level COMS courses with adviser approval; a maximum of 8 units may be in related fields with approval of adviser and department chair.

Students may take a maximum of 8 units of COMS 598 and COMM 499 combined.

### Comprehensive Examination or Thesis (0, 4-6 units)

- COMS 596 - Comprehensive Examination (0)  
or
- COMS 599 - Thesis (1–4)

## Telecommunications and Film Option (45 units)

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### Critical Studies Concentration (45 units)

#### Core Courses (24 units)

- COMS 500 - Graduate Scholarship in Communication Studies (4)
- COMS 501 - Seminar: Research Methods in Telecommunications and Film (4)
- COMS 505 - Seminar: Media Theory and Criticism (4)
- COMS 506 - Seminar: Television Studies (4)
- COMS 507 - Seminar: Post World War II Film and Television History (4)
- COMS 515 - Seminar: Cultural Studies (4)

#### Graduate Level Seminars (8 units)

With adviser approval, select a minimum of 8 additional units from the following 500-level seminars.

- COMS 510 - Seminar: Narrative Studies in Film and Television (4)
- COMS 520 - Seminar: Documentary Film and Television (4)
- COMS 554 - Selected Topics in Communication Studies (1–4) (4-8)
- COMS 562 - Seminar: Theories of Mass Media (4)
- COMS 564 - Seminar: Adaptation (4)

### Electives (7-13 units)

Select 400-level TVF, 500-level COMS courses with adviser approval; a maximum of 8 units may be in related fields with approval of adviser and department chair.

Students may take a maximum of 8 units of COMS 598 and TVF 499 combined.

### Comprehensive Examination or Thesis (0, 4-6 units)

- COMS 596 - Comprehensive Examination (0)  
or
- COMS 599 - Thesis (1–4)

## Department of English

### DEPARTMENT OFFICE

Engineering and Technology A604

Phone: (323) 343-4140

Chair: Hema Chari

E-mail: [english@calstatela.edu](mailto:english@calstatela.edu)

Website: [www.calstatela.edu/academic/english](http://www.calstatela.edu/academic/english)

The English Department at Cal State L.A. offers programs leading to the Bachelor of Arts and Master of Arts degrees. These programs encourage students to develop their minds, imaginations, and writing skills through the study of literature and language. The department offers a broad spectrum of courses ranging from the traditional areas of British and American literature to such subjects as world literature in translation, ethnic literature of the U.S., women writers, folklore, children's literature, creative writing, critical theory, history and structure of the English language, film, and many levels of composition.

Majoring in English offers students many advantages for both intellectual and personal development and provides a solid preparation for a number of careers. Most directly, a bachelor's degree in English, Single Subject Teaching option, with the required professional training in education, qualifies the individual to teach English in secondary schools. But teaching is only one of the many professions that welcome the English major. The discipline requires and helps develop solid reading, writing, and critical thinking skills. Literary study also provides the complex understanding of human experience that is essential for success in many fields. Many graduates in English enter law school, medical school, business administration, and civil service at all levels of government. There are opportunities in insurance, publishing, space industries, foundations, public utilities, personnel relations, banks, advertising, and the print media.

The Master of Arts degree in English provides opportunities for advanced study in literature, criticism, language, creative writing, and composition and rhetoric. The program is designed for students planning to teach in a community college or to enter a doctoral program; for students seeking to develop their skills as creative writers, to teach creative writing, or to pursue careers in the media or other areas where a combination of creative ability, communication skills, and critical faculties may be particularly valuable; or for students planning to teach writing at the school, community college, or university level, to work as professional writing consultants.

The department also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

## The Faculty

**Professors:** Mary Bucci Bush, Michael A. Calabrese, Roberto Cantú, Hema Chari, Mel Donalson, Marilyn R. Elkins, Michelle Hawley, Martin Huld, Steven S. Jones, Maria Karafilis, Jun Liu, Caroline H. McManus, Barry Munitz, Ruben Quintero (Chair), Lauri Ramey, Alison Taufer.

**Associate Professors:** James Garrett, Andrew Knighton.

**Assistant Professors:** Robert Benjamin Bateman, Linda M. Greenberg, Christopher S. Harris, Atef Laouyene, Jennifer Ohlund, Bidhan Roy, Aaron H. Sonnenschein.

**Emeriti:** Betty Bamberg, Sharon Bassett, Alfred Bendixen, Peter A. Brier, John L. Cleman, Saralyn R. Daly, Otto W. Fick, Norman Fruman, Rosemary L. Hake, David Laird, Jean Maloney, Marie Ohlsen, Elaine Osio, Thomas H. Peterson, Vilma Potter, Sidney Richman, Alice M. Roy, Carl M. Selkin, Timothy Steele, Gaby Stuart, John H. Weston.

## English as a Second Language Programs

Students in need of a course in English as a second language may wish to consult the College of Extended Studies and International Programs or the English Language Program.

## Programs for this Department

### Undergraduate Major

- English, B.A. .

### Undergraduate Minor

- Comparative Linguistics Interdisciplinary Minor

- Creative Writing Minor

- English Minor

- Graduate Major

- English, M.A.


**Graduate Certificate**

Certificate Program in Teaching Writing

**Credential**

- The Credential Program



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## Comparative Linguistics Interdisciplinary Minor

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This minor is comprised of courses from four departments: Anthropology, Communication Studies, English and Modern Languages. The array of courses offers intellectual stimulation and meets professional demands. Intellectually, the minor allows students to examine the theories, structures, and behaviors of multiple languages. Professionally, for students interested in teaching, the minor provides valuable expertise in language skills; for those interested in writing career, the minor provides opportunities to analyze and create discourse.

### Requirements for the Minor (32 units)

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#### Two (2) courses are required (8 units)

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These courses provide a grammatical framework to compare English language constituents with the language and/or behavior constituents addressed in other courses.

- ENGL 401 - English Language in America (4)
- ENGL 405 - Modern English Grammar (4)

#### Three (3) courses are to be selected from the following. (12 units)

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These courses address the theoretical or technical aspects of a particular language or language behavior.

- ANTH 471 - Introduction to Linguistics (4) **also listed as**
- ENGL 400 - Introduction to Linguistics (4)
  
- ANTH 472 - Linguistic Analysis (4)
- FREN 305 - Phonetics (4)
- JAPN 315 - Language in Japanese Society (4)
- SPAN 305 - Introduction to Spanish Linguistics (4)
- SPAN 400A - Spanish Morphology (4)
- SPAN 400B - Syntax (4)
- COMM 450 - Communication Theory (4)
- COMM 462 - Nonverbal Communication (4)

#### Three (3) courses are to be selected from the following (12 units)

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These courses address language as it relates to other behaviors, other contexts, or languages.

- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
  
- ANTH 230 - Language and Society (4) **also listed as**
- ENGL 230 - Language and Society (4)
  
- ENGL 301 - Introduction to Language (4)
- ENGL 402 - History of the English Language (4)
- FREN 403 - Topics in French Applied Linguistics (4)
- JAPN 403 - Contrastive Analysis of Japanese and English Structures (4)
- JAPN 450 - Proseminar: Japanese Linguistics (4)
- SPAN 403 - Topics in Spanish Applied Linguistics: Languages in Contrast (4)
- SPAN 461 - Proseminar in Hispanic Linguistics (4)

#### Note:

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With the major department's approval, courses that satisfy requirements in this minor may also be used to satisfy major or general education requirements.

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## Creative Writing Minor

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The minor in Creative Writing is designed for students majoring in other fields who are interested in the writing of imaginative literature, which may include such forms as poetry, fiction, and drama. A total of 24 units is required, of which 8–12 units must be in lower division and 12–16 units in 400-level courses.

### Requirements for the Minor (24 units)

#### Lower Division Required Courses (8 or 12 units)

Select one or two from the following (4 or 8 units):

- ENGL 200A - The Classical and Medieval Tradition (4)
- ENGL 200B - British Literature Survey I (4)
- ENGL 200C - British Literature Survey II (4)
- ENGL 225 - Interpreting World Cinema (4)

**Note:**

(Prerequisite to ENGL 207 for students in the creative writing minor is at least 4 units from the lower division requirement listed above.)

#### Required course (4 units)

- ENGL 207 - Beginning Creative Writing (4)

#### Electives (select 12–16 units with adviser approval)

- ENGL 406 - Writing Nonfiction (4)
- \* ENGL 407 - Writing Fiction (4)
- \* ENGL 408 - Writing Poetry (4)
- TA 476 - Play Writing (4)
- TVF 465 - Seminar: Advanced Scriptwriting (4)

**Note:**

*\*May be repeated once for credit in the minor.*

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## English Minor

The minor in English provides a varied and flexible literary program, individually planned, for majors in other fields. Students who plan to write or edit or who are interested in business, the professions, or government service may find this minor significant in their career development. The minor is also useful to students who wish to add a supplementary authorization to their Single Subject credential. A total of 28 units is required.

### Requirements for the Minor (28 units)

#### Lower Division Required Courses (8-12)

#### Upper Division Required Courses (16-20 units)

Select at least two from the following:

- ENGL 200A - The Classical and Medieval Tradition (4)
- ENGL 200B - British Literature Survey I (4)
- ENGL 200C - British Literature Survey II (4)
- ENGL 250 - Understanding Literature (4)
- ENGL 258 - Mythology in Literature (4)

Select from the following:

Composition:

- ENGL 308 - Expository Writing (4)
- ENGL 340 - Writing in the Major (4)
- ENGL 406 - Writing Nonfiction (4)
- ENGL 410 - Writing in the Schools (4)

Language:

- ENGL 401 - English Language in America (4)
- ENGL 402 - History of the English Language (4)
- ENGL 405 - Modern English Grammar (4)

Literature:

- ENGL 416 - Chaucer (4)
- ENGL 417 - Shakespeare I (4)
- ENGL 418 - Shakespeare II (4)
- ENGL 419 - Milton (4)
- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 425 - Epic and Legend (4)
- ENGL 426 - African Literature (4)
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- ENGL 430 - Children's Literature (4)
- ENGL 432 - Literature for Adolescents (4)
- ENGL 441 - Major Critics (4)
- ENGL 446A - The British Novel: The Eighteenth Century (4)
- ENGL 446B - The British Novel: The Nineteenth Century (4)
- ENGL 446C - The British Novel: The Twentieth Century (4)
- ENGL 460 - Medieval English Literature (4)
- ENGL 461 - Dramatic Literature of the English Renaissance (4)
- ENGL 463 - The English Renaissance (4)
- ENGL 464 - Seventeenth-Century Literature (4)
- ENGL 465 - The Augustan Age (4)
- ENGL 467 - The Romantic Age (4)
- ENGL 468 - The Victorian Age (4)
- ENGL 469A - Modern British Literature (4)
- ENGL 469B - Contemporary British Literature (4)
- ENGL 470 - American Women Writers (4)
- ENGL 471 - American Literature: Beginnings to 1860 (4)
- ENGL 472 - American Literature: 1860-1914 (4)
- ENGL 473 - American Literature: 1914 to Present (4)

- ENGL 475A - The American Novel:19th Century (4)
- ENGL 475B - The American Novel:1900–1945 (4)
- ENGL 475C - The American Novel:1945–Present (4)
- ENGL 476 - Ethnic Literature in the U.S. (4)
- ENGL 477 - Black American Literature (4)
- ENGL 478 - Modern Poetry (4)
- ENGL 479 - Contemporary Poetry (4)
- ENGL 482 - The Bible as Literature: Old and New Testaments (4)
- ENGL 483 - Folklore and Literature (4)
- ENGL 484 - Major Continental Fiction: Cervantes to Balzac (4)
- ENGL 485 - Major Continental Fiction: Stendhal to Tolstoy (4)
- ENGL 486 - Twentieth Century Continental Fiction (4)
- ENGL 487 - Latin American Literature in Translation (4)
- ENGL 489 - Colonial to Modern Mexican American Literature (4)
- ENGL 492 - Seminar in Literature and Language (4)

## English, M.A.

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### Admission to the Program

Applicants who have a degree in English should have at least a 3.2 grade point average in their upper-division undergraduate major coursework.

In addition to applying to the University, prospective students must submit a separate graduate program application to the Department of English. This includes a departmental application form, transcripts from all colleges/universities attended, and a writing sample. Applicants to the graduate program are admitted based on a comprehensive review of their application materials by the Department of English. For more information on the departmental application for admission, contact the Department of English.

Students whose major was not English should consult the principal graduate adviser about prerequisites or their equivalents. They must complete a 36-unit program of upper division prerequisites (which may include courses previously taken) prior to beginning their graduate work.

#### Requirements for the Degree (46 units)

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A minimum of 46 units is required, with at least 38 in 500-level courses. Students must have completed advanced course work in several major periods of British and American literature. Consult the Department of English for specific requirements and period descriptions.

Students preparing for the M.A. degree in English must complete

ENGL 501 or 502 prior to enrolling in ENGL 541, 560, 570, 580, and 598. ENGL 510 may be taken concurrently with ENGL 501 or 502. Both 501 and 502 must be completed in the first 16 units of the program.

#### Required Core (25 units)

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- ENGL 501 - Theoretical Foundations of Literary Studies (4)
- ENGL 502 - Research Methods in Literary Studies (4)
- ENGL 510 - Proseminar in Literature (4) (4, 4)
- ENGL 598 - Graduate Directed Study (1-4) (1 unit total) \*

##### \*Note

This unit of ENGL 598 will be designated for advisement, mentoring, and professionalization of new MA students. students may still take 4 units of ENGL 598 in a subject area.

In addition, with adviser approval, select two different seminars from the following list (4,4):

- ENGL 504 - Seminar: Theories of Composition and Rhetoric (4)
- ENGL 550 - Seminar: Topics in Composition, Rhetoric, and Language (4)
- ENGL 560 - Seminar: British Literature (4)
- ENGL 570 - Seminar: American Literature (4)
- ENGL 580 - Seminar: World Literature (4)

#### Electives (16-21 units)

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Select from 400- OR 500-LEVEL ENGL courses with adviser approval; 8 units may be in a related field. A maximum of 5 units in ENGL 598 can be applied to the degree. No more than 8 units at the 400-level can be applied to the degree. Students are strongly encouraged, with adviser approval, to use their electives to formulate a concentration in an area such as literary analysis; composition, rhetoric, and language; or creative writing

#### Culminating Activities (0, 2, 5)

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The culminating activity for all students in the master's program will be the successful completion of either ENGL 596 or ENGL 599.

Students must complete coursework in the area of specialization in which their culminating activity is grounded. The culminating activity will be supervised and assessed by faculty members with expertise in the chosen field.

ENGL 596 (0 units)

ENGL 596 may not be completed earlier than the quarter in which all course work is completed. Students must notify the graduate adviser one quarter before they intend to take the comprehensive examination.

Advancement to candidacy and approval of the department's Graduate Studies Committee are required prior to taking the Comprehensive



Examination.

- ENGL 596 - Comprehensive Examination (0)  
or
- ENGL 599 - Thesis (1–5) Thesis (2 or 5 units) or Project (2 units)

### **Comprehensive Examination**

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Students will write a thoroughly developed, analytical essay(s) in response to a question based on one of the departmentally approved reading lists. Examinations will be evaluated as “passing” or “failing” by at least two faculty members.

- ENGL 599 - Thesis (1–5) Thesis (2 or 5) or Project (2)

### **Project (2 units)**

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A project is fulfilled by the completion of an original pedagogical portfolio. Students choosing this option must possess a Single Subject Credential in English or have completed at least one course that focuses on pedagogy in English studies (ENGL 504 or a similar course approved by the graduate adviser).

The pedagogical portfolio affords students the opportunity to extend their studies by investigating issues related to teaching a specific area in English. By completing the portfolio, students will demonstrate how their graduate studies in English have prepared them to teach at the secondary school or community college level. The portfolio could take two forms, each of which is described below. Both options must be prefaced by a written abstract that details the project's significance, objectives, methodology, and a conclusion or recommendation. Option A, designing a specific course, requires students to create a course and develop pertinent, original materials for it. Option B, approaches to teaching, requires students to write three to four original essays that explain how a specific text or cluster of texts should be taught and why.

#### **(A) Designing a Specific Course**

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Students will write a philosophy of teaching composition, language and/or literature (1,500-2,000 words) that demonstrates an understanding of current trends in pedagogical theory as practiced in English studies. Students will also produce an original, substantive curriculum plan for an English/Language arts course suitable for the secondary school or community college classroom. The curriculum plan must be for a new course that the student has not yet taught and include a course description/overview, desired learning outcomes, a detailed description of each component of the course, a sample syllabus, sample teaching materials (lecture/discussion outlines or narratives, in-class learning activities, writing prompts, assessment activities, etc.), and a bibliography. The curriculum plan must demonstrate the student's in-depth knowledge of the texts assigned. Portfolios will be evaluated as “passing” or “failing” by at least two faculty members with expertise in the area.

#### **(B) Approaches to Teaching**

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These essays should be modeled upon those published in the MLA “Approaches to Teaching” series. The three to four essays in this portfolio could focus on texts in one particular historical field or area or cover a variety of texts and thus demonstrate the breadth of the student's MA experience.

### **Thesis (2 or 5 units)**

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Students who choose to complete a thesis as their culminating activity will devise an original project in one of the following fields of English studies: literature (2 or 5); composition, rhetoric, and language (2 or 5); or creative writing (5). The thesis in literature or composition, rhetoric, and language will demonstrate the student's ability to analyze texts and their contexts, generate and prove a sophisticated and original argument, and situate that argument in existing critical conversations. The thesis in creative writing will indicate the literary/critical traditions in which the original work is grounded. Students who choose to complete a thesis must be advanced to candidacy before enrolling in ENGL 599. The thesis will take one of two forms, option a or option b. Thesis option a is narrower in scope and has a preprofessional component in its analysis of scholarly journals in the field.

#### **Thesis Option A (2)**

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Under thesis option a, students will produce a 20-30 page original, analytical essay with potential for publication, conference presentation, or further development in a doctoral program. This artifact should, with lucid and polished prose, demonstrate the student's ability to analyze texts and their contexts, generate and prove a sophisticated and original argument, and situate that argument in existing critical conversations. The essay could be either a thorough, substantive revision of a seminar paper or a new project. If a revision, the original, graded essay must be submitted with the final project. Students revising a seminar paper are expected to reconceptualize and restructure their arguments as necessary, conduct additional research, and demonstrate the contribution their argument makes to the field. The essay must be accompanied by a list of 2-3 journals to which the student could submit the essay, along with a detailed, written justification of the journals chosen. The structure and style of the essay should adhere to those of one of the selected professional journals. Students will form a committee of at least two faculty members with expertise in the area in which the essay is grounded who will evaluate the essay as “passing” or “failing.” There is no oral defense of the essay.

#### **Thesis Option B (5)**

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A thesis under Option B may take one of three forms:

A **thesis in literature** should concentrate on such issues as the analysis of a text or body of texts, a literary genre, and/or the literary treatment of a theme or social development.

A **thesis in composition, rhetoric, and language** should focus on the analysis of pedagogical approaches to the teaching of writing and the scholarship supporting that pedagogy or the analysis of a rhetorical or linguistic feature present in a text or body of discourse.

A thesis in **creative writing** will present a body of original work by the student with an introductory essay that significantly places the original work within its literary and critical traditions.

The length of the thesis will be determined by the subject, but will generally range from 40-70 pages. Option B requires formal approval of the thesis proposal by a thesis director and two additional thesis committee members, enrollment in 5 units of ENGL 599, and an oral defense of the thesis. (one unit of ENGL 599 is to be devoted to preparation of the thesis proposal. A student may not enroll in the remaining 4 units of ENGL 599 until the proposal has been approved.)

Under Option B, students who will be writing the thesis in literature (5) or composition, rhetoric, and language (5) must synthesize a wider range of texts and contextual materials than the option a thesis (2).

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# Certificate Program in Teaching Writing

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The postbaccalaureate credit certificate program in Teaching Writing provides advanced study in composition and rhetoric for current teachers at secondary and post-secondary levels of education. The program of study provides in-depth study to supplement the more limited coursework in the teaching of writing that students have had in undergraduate and credential programs. In keeping with the State's emphasis on literacy across the curriculum in schooling at all levels, the certificate addresses writing instruction across the curriculum as well as in traditional English/Language Arts. It enables teachers who are required to teach writing in all disciplinary areas but who often have had little or no training in writing instruction to incorporate writing instruction in their classes.

To enter the program, students must possess an undergraduate degree in any field and meet the admission requirements of the University for postbaccalaureate study. The certificate consists of six required courses (24 units): Two 400-level courses which provide a foundation in language and composition, and four 500-level courses which provide advanced, in-depth, and specialized study.

Students must achieve a 3.0 GPA in the certificate program. Students may apply 12 units of the certificate program (not including ENGL 401) towards the MA in the Composition, Rhetoric, and Language option. Students must satisfy the Graduation Writing Assessment Requirement (GWAR) within the first two quarters.

## Requirements for the Certificate (24 units)

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### Required Courses

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- ENGL 401 - English Language in America (4)
- ENGL 410 - Writing in the Schools (4)
- ENGL 504 - Seminar: Theories of Composition and Rhetoric (4)
- ENGL 505 - Seminar: Language and Literacy (4)
- ENGL 550 - Seminar: Topics in Composition, Rhetoric, and Language (4)
- ENGL 555 - Principles and Strategies in Teaching Writing (4)

## U.S. Department of Education Gainful Employment Disclosure

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Program: Certificate Program in Teaching Writing

Occupations that this certificate program prepares students to enter:

- Secondary Teacher; SOC Code 25-2030; [www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00)
- English Language and Literature Teachers, Post-Secondary; SOC Code 25-1123; [www.onetonline.org/link/summary/25-1123.00](http://www.onetonline.org/link/summary/25-1123.00)

- Adult Basic and Secondary Education and Literacy Teachers and Instructors ; SOC Code 25-3011;  
[www.onetonline.org/link/summary/25-3011.00](http://www.onetonline.org/link/summary/25-3011.00)

- Self-Enrichment Education Teachers; SOC Code 25-3021;  
[www.onetonline.org/link/summary/25-3021.00](http://www.onetonline.org/link/summary/25-3021.00)

- Miscellaneous Teachers and Instructors; SOC Code 25-3090;  
[www.onetonline.org/find/quick?s=25-3090](http://www.onetonline.org/find/quick?s=25-3090)

- Career/Technical Education Teachers, Secondary School; SOC Code 25-2032;  
[www.onetonline.org/link/summary/25-2032.00](http://www.onetonline.org/link/summary/25-2032.00)

On-time graduation rate for students completing this program: No completions by non-degree seeking students in 2009-10

Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:

Tuition and Fees: \$5576 Books and Supplies: \$1638

Median loan debt incurred by students who completed this certificate program: N/A

The job placement rate for students completing the program: Data not available.

# The Credential Program

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Students who complete the Bachelor of Arts degree in English, Single Subject Teaching option, with a minimum 2.83 grade point average for course work in the option, will receive certification of subject area competency in English for the Single Subject credential. Students should consult advisers in the department and in the Charter College of Education.

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## Department of Liberal Studies

### DEPARTMENT OFFICE

Engineering and Technology A405

Phone: (323) 343-4100

Website: [www.calstatela.edu/dept/libstudies/](http://www.calstatela.edu/dept/libstudies/)

Liberal Studies is an interdisciplinary program that offers students the opportunity to pursue a Bachelor of Arts degree grounded in the social sciences and the humanities. The Liberal Studies major provides an appropriate foundation for professional training in education, librarianship, law, medicine, various fields of public service, and business and industry. In addition, with careful selection of electives, students may prepare for graduate study in such areas as education, American studies, art history, communications, English, cultural studies, history, film and television studies, and the social sciences.

## The Faculty

**Professor:** Patrick Sharp (*Chair*).

**Associate Professors:** D. Robert DeChaine, Alejandra Marchevsky, Dionne Espinoza.

**Assistant Professors:** Victor Viesca, Michael Willard.

## Programs for this Department

### Undergraduate Major

- Liberal Studies, B.A.

### Undergraduate Minor

- Science, Technology, and Medicine Studies Minor
- Women's and Gender Studies Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Women, Genders, and Sexualities

# Liberal Studies, B.A.

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The Bachelor of Arts degree program in Liberal Studies offers two options. Option 1, Interdisciplinary Studies in Culture and Society, allows students to acquire an in-depth understanding of how ideology and discourse shape cultural traditions and social institutions. Option 2, the Elementary Subject Matter Teacher Preparation Option, provides students a broad-based education in multiple subjects that prepares them for the California Subject Examinations for Teachers (CSET). Particular requirements and restrictions apply to candidates for teaching. Therefore, early consultation with a Liberal Studies adviser is essential. Refer to the [Charter College of Education](#) section for regulations governing all teaching credential programs.

## Advisement

All students who intend to major in Liberal Studies should confer with a Liberal Studies adviser by the end of the first quarter of residence in order to establish an official degree program.

## Requirements for the Major (66 units)

Students in both options must complete 18 units of Liberal Studies core requirements (including a senior project), 8 units of required courses in Liberal Studies, 20 units in a depth area, and 20 units of additional coursework.

## Liberal Studies Core Requirements (18 units)

The Liberal Studies core requirements are designed to provide the necessary analytical framework, including rhetorical skills, theoretical concepts, research methods, and techniques of argumentation to enable students to master each of the available options in the Liberal Studies major. All students in the major must complete the following core courses:

- [LBS 301 - Interdisciplinary Investigation](#) (4)
- [LBS 302 - Writing the Interdisciplinary Essay](#) (2)
- [LBS 360 - Interdisciplinary Approaches to Culture and Society](#) (4)
- [LBS 489 - Senior Project](#) (4)
- [LBS 490 - Proseminar in Liberal Studies](#) (4)

## Required Courses in Liberal Studies (8 units)

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Students in both liberal studies options take 8 units of required courses in Liberal Studies with advisor approval. Courses taken for a concentration or depth area cannot be double counted as required courses in Liberal Studies.

### **Interdisciplinary Foundations:**

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#### **Select one course from the following (4 units)**

- LBS 234 - Multicultural Arts, L. A. (4)
- LBS 386 - Gender in Science (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)
- LBS 395 - Sociocultural Impact of Globalization for the Developing World (4)
- WOMN 200 - Introduction to Women's and Gender Studies (4)

### **Advanced Interdisciplinary Studies:**

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#### **Select one course from the following (4 units)**

- LBS 410 - National Identity, Race, and Popular Culture (4)
- LBS 420 - Science, Culture, and Representation (4)
- LBS 454 - Selected Topics in Liberal Studies (1-4)
- LBS 460 - Cultural Studies: Theories and Methods (4)
- WOMN 400 - Women's and Gender Studies: Theories and Methods (4)

## **Option Requirements**

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Students must select one of the following two options to fulfill the requirements for the major.

The total number of units required for the Bachelor of Arts degree in Liberal Studies, Option I, Interdisciplinary Studies in Culture and Society, is 180 units, of which 66 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### **Option I: Interdisciplinary Studies in Culture and Society (66 units)**

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This option offers students the opportunity to pursue an integrative interdisciplinary course of study that will provide them with a broad base of knowledge and skills. The knowledge and skills developed in this option prepare students for careers in fields such as education, law, journalism, publishing, government, business, and non-profit work.

Students in Option I must take a total of 180 units: 72 units of General Education Requirements, 6-8 units of University Requirements, 18 units of Liberal Studies core requirements, 8 units of required courses in Liberal Studies, 40 units in a concentration or two 20 unit depth areas (listed below), and 34-36 units of free electives. Of the 40 units taken in the concentration or depth areas, 28 units must be upper division (300- or 400-level courses).



## Concentration or Depth Areas (40 units)

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Students in Option I must take 40 units by completing one of the concentrations listed below (A or B) or two 20-unit depth areas listed below (1–10). While the depth areas are open to all Liberal Studies majors, depth areas 4, 5, 6, and 9 have been designed specifically to meet California Commission on Teacher Credentialing (CCTC) standards for commonly taught subjects.

### A. Concentration in Science, Technology, and Medicine Studies (40 units)

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Drawing from the traditions of critical science studies scholarship in a wide variety of disciplines, this concentration examines the social and cultural dimensions of science and its technological and medical applications. While deepening students' knowledge of the sciences, the concentration explores the social and cultural imperatives that shape science and its applications. It also studies the influence of the sciences on social formations and cultural productions. The concentration is designed for students interested in science-focused careers in law, journalism, education, publishing, government, business, and non-profit work. Students interested in careers in medicine should consult with the Health Careers Advisement Office (HCAO) located in the Biological Sciences building (rooms 106 and 110) to discuss the recommended courses and preparation appropriate for their career goals. No more than 12 units can be taken in any one department.

**Interdisciplinary Science Studies: Select one course from the following (4 units)**

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- LBS 386 - Gender in Science (4)
- LBS 420 - Science, Culture, and Representation (4)
  
- LBS 422 - Asian Americans in Science and Literature (4) **also listed as**
- AAAS 422 - Asian Americans in Science and Literature (4)

**Technology Studies (4 units)**

---

Select one course from the following:

- TECH 250 - Impact of Technology on the Individual and Society (4)
  
- TECH 383 - Ancient and Modern Technology (4) **also listed as**
- ENGR 383 - Ancient and Modern Technology (4)

**Medicine Studies (4 units)**

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Select one course from the following:

- ANTH 444 - Medical Anthropology (4)
- CHS 485 - Health and Chicano/Latino Families (4)
- GEOG 448 - Medical Geography (4)
- HIST 458 - Sickness and Health in American History (4)

- PH 463 - International Health (4)
- SOC 425 - Medical Sociology (4)

**History and Religious Studies (4 units)**

---

Select one course from the following:

- CHEM 380N - Ancient and Modern Science (4) **also listed as**
- HIST 380 - Ancient and Modern Science (4) **also listed as**
- PHIL 380 - Ancient and Modern Science (4)
  
- HIST 401 - History of Globalization: Themes and Continuities (4)

**Science and Society (4 units)**

---

Select one course from the following:

- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 423 - Material Culture (4)
- EDEL 454 - The Science, Technology and Society Curriculum K-7 (4)
- SOC 432 - Science, Technology, and Social Character (4)
- SOC 433 - Bioethics and Sociology (4)

**Philosophy (4 units)**

---

Select one course from the following:

- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
  
- PHIL 427 - Environmental Ethics (4)
- PHIL 428 - Ethics and Genetics (4)
- PHIL 429 - Bioethics (4)
- PHIL 485 - Philosophy of Science (4)

**Global environment (4 units)**

---

Select one course from the following:

- CE 358 - Environment, Earth Systems and Technology (4) **also listed as**
- GEOG 333 - Environment and Development in the Third World (4)
- GEOG 415 - Perspectives on Environment (4)
- PH 370 - Environmental Racism (4)

**Electives (12 units)**

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With major advisor approval, students select 12 units of upperdivision coursework

from the above courses or from related courses.

**B. Concentration in Women's and Gender Studies (40 units)**

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The Women's and Gender Studies Concentration is an interdisciplinary program of study that takes as its central object of study gender in culture and society. This concentration draws from the traditions of feminist scholarship in a wide variety of disciplines, from the natural and social sciences through the humanities and arts. Although the field of women's studies has always looked at the construction of gender and gendered roles and representations, the use of "gender studies" makes the focus both general and specific: students critically analyze gender in the context of class, race, ethnicity, and sexual orientation, and explore gender as a category that structures power, as a set of cultural meanings to be interpreted, and as a set of bodily performances.

**Required Courses (8 units)**

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- WOMN 200 - Introduction to Women's and Gender Studies (4)
- WOMN 400 - Women's and Gender Studies: Theories and Methods (4)

**Natural Science Perspectives (4 units)**

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Select one course from the following:

- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
  
- BIOL 388N - Sex and Gender (4) **also listed as**
- PSY 388 - Sex and Gender (4)
  
- LBS 386 - Gender in Science (4)

**Social Science Perspectives (8 units)**

---

Select two courses from the following:

- ANTH 338 - Gender Roles in Crosscultural Perspectives (4)
- CHS 280 - Chicanas and Latinas in Contemporary U.S. Society (4)
- CHS 480 - Chicana Feminisms and Women's Movements (4)
- CRIM 470 - Women and Crime (4)
- HIST 357 - Gender in History (4)
- HIST 450B - Research Capstone: Special Studies in History (4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 485 - U.S. Women to 1877 (4)
- HIST 486 - U.S. Women, 1877 to the Present (4)
  
- KIN 441 - Gender, Sport, and Culture (4) **also listed as**
- PAS 405 - Black Feminism (4)

- PAS 406 - Black Women Leaders in Thought and Politics (4)
- PAS 412 - Third World Women and Development (4)
- POLS 310 - Gender, Politics, and Government (4)
- PSY 419 - Psychology of Gender (4)
- RELS 335 - Gender in the Diversity of World Religions (4)
- SOC 341 - Sociology of Gender Roles (4)
  
- SOC 416 - Feminist Theories and Contemporary Society (4) **also listed as**
- WOMN 416 - Feminist Theories and Contemporary Society (4)
  
- SOC 441 - Researching Gender in Social Institutions (4)
- SOC 443 - Diversity in Alternative Families (4)
- TECH 250 - Impact of Technology on the Individual and Society (4)
- WOMN 203 - Gender and Race in the Unites States (4)

**Arts and Humanities Perspectives (8 units)**

---

Select two courses from the following:

- COMM 475 - Feminism and Communication (4)
- COMM 479 - Sex Roles in Communication (4)
- ENGL 260 - Women and Literature (4)
  
- ENGL 379 - Gender and Sexuality in Popular Culture (4) **also listed as**
- TVF 379 - Gender and Sexuality in Popular Culture (4)
  
- ENGL 385 - Sex and Gender in Language and Literature (4) **also listed as**
- COMM 385 - Sex and Gender in Language and Literature (4)
  
- ENGL 453 - Modern Women Writers (4)
- ENGL 470 - American Women Writers (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)
- PHIL 327 - Philosophy, Gender and Culture (4)
  
- PHIL 413 - Issues in Feminist Philosophy (4) **also listed as**
- WOMN 413 - Issues in Feminist Philosophy (4)
  
- WOMN 203 - Gender and Race in the Unites States (4)
- WOMN 454 - Special Topics in Women's Studies (4)
- WOMN 491 - Proseminar: Women's Studies (1–4)
- WOMN 499 - Undergraduate Directed Study (1–8)

**Electives (12 units)**

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With major advisor approval, students select 12 units of coursework from the above courses or from related courses.

**Depth Areas**

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In lieu of a concentration, students may select 20 units in each of two of the following depth areas to complete the requirements for Option I. For Option II students select 20 units in one depth area and may elect to complete 20 units in a second depth area if they pass the California Subject Examination for Teachers: Multiple Subjects.

**1. Depth Area in American Studies (20 units)**

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**Required courses (12 units)**

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**Interdisciplinary Approaches (4 units)**

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With major advisor approval select one American studies course in Liberal Studies.

**Social Science Perspectives (4 units)**

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With major advisor approval select one American Studies course from the following departments:

- Asian and Asian American Studies
- Anthropology
- Chicano/a Studies
- Geography
- History
- Latin American Studies
- Pan African Studies
- Political Science
- Sociology

**Arts and Humanities Perspectives (4 units)**

---

With major advisor approval select one American studies course from the following departments:

- Art
- Communication Studies
- English
- Music
- Philosophy
- Theatre Arts and Dance

**Electives (8 units)**

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With major advisor approval, students select 8 units in American studies from the departments listed above or from related departments. No more than 12 units in

the depth area can be taken in any one department.

## 2. Depth Area in Creativity and Performance (20 units)

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### Interdisciplinary Approaches (4 units)

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- LBS 234 - Multicultural Arts, L. A. (4)

### Theoretical Perspectives (4 Units)

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Select one from the following:

- ART 390 - Art and Design in the Community (4)
- ART 401 - Proseminar: Critical Theories in Visual Arts (3)
  
- COMM 467 - Theory and Method in Performance Studies (4) **also listed as**
- TAD 467 - Theory and Method in Performance Studies (4)
  
- COMM 468 - Performance and Social Change (4) **also listed as**
- TAD 468 - Performance and Social Change (4)
  
- DANC 477 - Multicultural Approaches to Dance (4)
- ENGL 483 - Folklore and Literature (4)
- PHIL 475 - Aesthetics (4)
- TA 301 - Creative Dramatics (4)

### Creative Activity and Performance (8 units)

---

With the approval of a Liberal Studies adviser, select 12 units in Creative Activity or Performance classes in one or more of the following departments: Art, Communication Studies (screenwriting, film making, storytelling), English (creative writing), Music, and Theatre Arts and Dance.

### Electives (4 units)

---

With the approval of a Liberal Studies adviser, select 4 additional units in Creative Activity or Performance classes or one additional theoretical perspective class listed above.

## 3. Depth Area in Cultural Studies (20 units)

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### Required courses (8 units)

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- ANTH 250 - Cultural Anthropology (4)
- LBS 460 - Cultural Studies: Theories and Methods (4)

**Electives (12 units)**

---

With major advisor approval select three courses in cultural studies from the following departments. No more than 12 units in the depth area can be taken in any one department.

- Asian and Asian American Studies
- Anthropology
- Art
- Chicano/a Studies
- Communication Studies
- English
- Geography History
- Latin American Studies
- Liberal Studies/ Women's and Gender Studies
- Music
- Pan African Studies
- Political Science
- Sociology
- Theatre Arts and Dance

**4. Depth area in Language Arts (20 units)**

---

**Interdisciplinary Approaches (4 units)**

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Select one course from the following:

- LBS 420 - Science, Culture, and Representation (4)
- LBS 460 - Cultural Studies: Theories and Methods (4)

**Electives (16 units)**

---

With major advisor approval, students select 16 units from the courses below or from related upper division language arts courses in English, Philosophy, Communication Studies, or related departments.

- ENGL 301 - Introduction to Language (4)
- ENGL 340 - Writing in the Major (4)
- ENGL 410 - Writing in the Schools (4)
- ENGL 430 - Children's Literature (4)
- ENGL 452 - Reading Cultures: Cultural Studies and English Literature (4)

**5. Depth area in Mathematics (20 units)**

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**Interdisciplinary Approaches (4 units)**

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Select one course from the following:

- LBS 386 - Gender in Science (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)

Electives (16 units)

---

With major advisor approval, students select 16 units from the courses below or from related courses.

- MATH 104A - Precalculus: Algebra (4)
- MATH 104B - Precalculus: Trigonometry (4)
  
- MATH\* 109 - Quantitative Reasoning with Statistics (4) **also listed as**
- ECON 109 - Quantitative Reasoning with Statistics (4)
  
- MATH 206 - Calculus I: Differentiation (4)
- MATH 210 - Introduction to Computer Algebra Systems (4)
- MATH 325 - Mathematical Notation and Proof (4)

6. Depth area in Natural Science (20 units)

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Interdisciplinary Science Studies:

---

Select one course from the following (4 units)

- LBS 386 - Gender in Science (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)

Pedagogy: Select one course from the following (4 units)

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- EDEL 451 - Teaching Science in Elementary School (4)
- EDEL 452 - Developing Critical Thinking Through Science, K-7 (4)
- EDEL 454 - The Science, Technology and Society Curriculum K-7 (4)
- NATS 461 - Topics in Physical Science Content and Pedagogy (4)
- NATS 462 - Topics in Life Science Content and Pedagogy (4)

Life Science (4 units)

---

Select one course from the following:

- ANTH 361 - Race, Racism, and Human Variation (4)
  
- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)



- BIOL 384N - Biology of Human Aging (4)
- BIOL 388N - Sex and Gender (4) **also listed as**
- PSY 388 - Sex and Gender (4)
- NURS 308 - Psychophysiology of Substance Abuse and Violence (4)
- PH 370 - Environmental Racism (4)
- KIN 345 - Physiological Effects of Exercise During Aging (4)
- NTRS 351 - Adult Nutrition (4)
- NURS 307 - Physiology and Psychology of Violence and Aggression (4) **also listed as**
- PSY 307 - Physiology and Psychology of Violence and Aggression (4)
- NURS 330 - Human Reproductive Health (4)
- PSY 323 - Psychology of Emotion and Motivation (4)

Physical Science (4 units)

---

Select one course from the following:

- ASTR 360 - Ancient and Modern Views of the Universe (4)
- CE 352 - Technological Aspects of Urban Environment (4)
- ENGR 383 - Ancient and Modern Technology (4) **also listed as**
- TECH 383 - Ancient and Modern Technology (4)
- GEOG 310 - Urban Climatology (4)
- GEOG 333 - Environment and Development in the Third World (4)
- GEOL 351 - Environmental Geology of Developing Nations (4)
- GEOL 357 - Urban Geology (4)

Electives (4 units)

---

With major advisor approval, students select 4 units from the above courses or from related courses.

7. Depth Area in Race and Ethnicity Studies (20 units)

---

Required courses (8 units)

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- AAAS 108 - Comparative Ethnic Studies (4) **also listed as**
- CHS 108 - Comparative Ethnic Studies (4) **also listed as**

- LAS 108 - Comparative Ethnic Studies (4) **also listed as**
- PAS 108 - Comparative Ethnic Studies (4)
  
- LBS 410 - National Identity, Race, and Popular Culture (4)

**Electives (12 units)**

---

With major advisor approval, select three courses from the following. Students can also take upper division courses in Asian and Asian American Studies, Chicano Studies, and Pan African Studies. No more than 8 units can be taken in any one department.

- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
  
- ANTH 433 - Urban Anthropology (4)
- ART 317 - Visual Arts in Urban Contexts (4)
  
- CHS 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- ENGL 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- PAS 327 - Ethnicity and Emotions in U.S. Film (4)
  
- DANC 477 - Multicultural Approaches to Dance (4)
- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
  
- ENGL 377 - Literary Explorations of Justice and Racism (4) **also listed as**
- PAS 377 - Literary Explorations of Justice and Racism (4)
  
- ENGL 476 - Ethnic Literature in the U.S. (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- HIST 352 - Civil Rights in the United States (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- LAS 335 - Race and Culture in the Americas (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)
- LBS 454 - Selected Topics in Liberal Studies (1–4)
- PAS 369 - Race, Activism, and Emotions (4)
- PHIL 220 - Contemporary Moral and Social Issues in a Multicultural Society (4)
- PHIL 323 - Human Diversity and Justice (4)
- POLS 409 - Minority Politics in the U.S. (4)
- POLS 442 - American Constitutional Law: Civil Rights (4)
- POLS 458 - Politics in Asian-American Immigration (4)
- SOC 330 - Social Issues in the Urban Setting (4)
- SOC 460 - Race and Ethnic Relations (4)
- SW 362 - From Institutional Racism to Cultural Competency (4)
- TVF 324 - Third Cinema/Video (4)
- TVF 334 - "Race", Justice and the Mass Media (4)
- WOMN 203 - Gender and Race in the Unites States (4)

**8. Depth area in Science, Technology, and Medicine Studies (20 units)**

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With major advisor approval, students select 20 units from the courses listed above in the concentration in Science, Technology, and Medicine Studies. No more than 8 units in the depth area can be taken in any one department.

**9. Depth area in Social Science (20 units)**

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**Interdisciplinary Approaches (4 units)**

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Select one course from the following:

- LBS 390 - Race, Class, and Gender in the Classroom (4)
- LBS 395 - Sociocultural Impact of Globalization for the Developing World (4)
- LBS 410 - National Identity, Race, and Popular Culture (4)

Required course; this course should be taken last in the depth area (4 units)

- HIST 498 - Issues in Teaching History-Social Science (4)

**World History, Geography, and Political Science (4 units)**

---

Select one course from the following:

- AAAS 418 - History of Islamic Central Asia (4) **also listed as**
- HIST 418 - History of Islamic Central Asia (4)
  
- ECON 426 - International Political Economy (4) **also listed as**
- POLS 426 - International Political Economy (4)
  
- GEOG 370 - World Regions (4)
- GEOG 430 - China (4)
- GEOG 478 - Middle Eastern Cities (4)
- HIST 311 - Classical Civilization and the Modern World (4)
- HIST 410 - Ancient Near East: 4000–323 B.C. (4)
- HIST 411 - History of Ancient Greece (4)
- HIST 412A - Early Rome, The Republic (4)
- HIST 412B - The Roman Empire (4)
- HIST 413 - Greek History: The Alexandrian Age (4)
- HIST 414A - Pre-colonial Sub-Saharan Africa (4)
- HIST 419 - Classical Age of Islamic Civilization, 600–1258 (4)
- HIST 421 - The Early Middle Ages (4)
- HIST 422 - The Later Middle Ages (4)
- HIST 494A - Traditional China (4)
- POLS 373 - Foundations of Comparative Politics (4)
- POLS 374 - Foundations of Global Politics (4)
- POLS 431 - Classical Political Theory (4)

**American History, Geography, and Political Science (4 units)**

---

Select one course from the following:

- GEOG 421 - United States (4)
- GEOG 427 - Mexico and Central America (4)
- GEOG 428 - South America (4)
- GEOG 431 - California (4)
- GEOG 451 - Historical Geography of North America (4)
- HIST 470 - The Colonial Heritage: The United States, 1607–1763 (4)
- HIST 471 - Era of Revolution: The United States, 1763–1815 (4)
- HIST 472 - Democracy, Dissent, and Disunion: The United States, 1815–1877 (4)
- HIST 473 - The United States, 1877-1918 (4)
- HIST 479 - Constitutional History of United States (4)
- POLS 371 - Foundations of American Politics (4)
- POLS 372 - Foundations of Political Theory (4)
- POLS 404 - Urban Government and Politics (4)
- POLS 433 - Modern Political Theory (4)
- POLS 435 - American Political Thought (4)

Electives (4 units)

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With major advisor approval, students select 4 units from the above courses or from related courses.

**10. Depth Area in Women's and Gender Studies (20 units)**

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With major advisor approval, students select 20 units from the courses listed above in the concentration in Women's and Gender Studies. No more than 8 units in the depth area can be taken in any one department.

**Option II. Elementary Subject Matter Teacher Preparation Option (180 units, of which 66 units are in the major)**

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Option II prepares prospective teachers for grades K-8. Since passing the California Subject Examinations for Teachers (CSET) is a prerequisite for a teaching credential, students in Option II are expected to prepare for and take the three portions of the CSET: Multiple Subjects at their earliest convenience and report their results to a Liberal Studies advisor. Based on the CSET results and students' previous coursework, advisors will recommend directed elective courses to help students prepare for any sections of the CSET that have not been passed. A grade of C or higher is required in all courses used to meet the major requirements for the Elementary Subject Matter Teacher Preparation Option.

Students who select Option II must complete the following coursework for a total of 180 units: 72 units of general education requirements, 6-8 units of university requirements (i.e., ENGL 102 and either the Introduction to Higher Education or Transition to Cal State, L.A. course), 18 units of Liberal Studies core requirements (listed above), 8 units of required courses in Liberal Studies, 20 units in a selected depth area (listed under Option 1), 20 units of directed electives, either in one or more depth areas (provided the CSET has been passed) or from advisor recommended Elementary Subject Matter courses (if the CSET has not been passed), and 32-34 units of free electives. In the depth areas and directed electives, at least 28 units must be upper division (300- or 400-level courses).

## Liberal Studies Core Courses (18 units)

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Students in Option II must complete the 18 units of core courses listed above under major requirements.

### Required Courses in Liberal Studies (8 units)

With major advisor approval, students must complete 8 units of required courses in Liberal Studies listed above under major requirements.

### Depth Area (20 units)

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Students in Option II must complete 20 units in one depth area (selected from those listed above under Option I).

### Directed Electives (20 units)

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Students in Option II must complete 20 units of directed electives. If a student has not passed all sections of the Multiple Subjects CSET, with advisor approval, these electives must be selected from the list of Elementary Subject Matter courses or from other appropriate courses (see "A: Multiple Subjects CSET Preparation Courses" below). If a student has passed all sections of the CSET examination, then, with advisor approval, these electives may be taken in one or more depth areas. Students may also use their electives to pursue a teaching credential for elementary education (see "B: Multiple Subject Teaching Credential Minor" and "C: Educational Specialist Minor" below).

#### A. Multiple Subjects CSET Preparation Courses

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##### 1. Reading, Language and Literature; History and Social Science (CSET Subtest I)

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- HIST 488 - California (4)
- CHS 443 - History of the Chicano People in California (4)
- ENGL 207 - Beginning Creative Writing (4)
- ENGL 301 - Introduction to Language (4)
- ENGL 430 - Children's Literature (4)
- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)

##### 2. Science and Mathematics (CSET Subtest II)

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- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- BIOL 180 - Life Science for Elementary Teachers (4)
- NATS 180 - Motion and Energy for Elementary Teachers (3)

- NATS 181 - Structure and Properties of Matter for Elementary Teachers (3)
- NATS 182 - Topics in Space Science for Elementary Teachers (2)
- NATS 183 - Earth Science for Elementary Teachers (4)

**3. Physical Education, Human Development, Visual and Performing Arts (CSET Subtest III)**

---

- ART 400\* - Elementary Classroom Visual Art (3)
- MUS 400 - Elementary Classroom Music (3)
  
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- or
- TA 400 - Creative Drama for the Elementary Classroom (3)
  
- KIN 420 - Development of Physical Activity (3)
- CHDV 343 - Child and Adolescent Cognition (4)
- or
- SOC 322 - Socialization: Childhood and Adolescence (4)
- PH 457 - Health Education for Elementary School Teachers (1)

**4. Multiple Subjects CSET Review Course**

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- EDEL 490 - Problems in Elementary Education (2–5) (2)  
*(may be taken up to three times for credit)*

**Professional Education Courses (46 units)**

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A minimum GPA of 2.75 in the last 90 quarter units is required for enrollment in EDCI 300 or EDSP 300. See catalog, "Multiple Subject Credential" or "Education Specialist Credential," for additional pre-requisites. An overall 3.0 GPA must be attained in all professional education courses with a minimum grade of "C" in each course. Students should see both a major adviser and a Multiple Subject or Special Education Credential adviser regarding completion of the degree and other credential requirements.

**B. Multiple Subject Teaching Credential (46 units)**

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These courses are for a Multiple Subject (Elementary Education) Teaching Credential.

**Required Prerequisite Courses (2 units)**

---

- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)

**Complete the following:**

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- EDFN 420 - Introduction to Foundations of Urban Learning (2)

*(it is recommended that this course be taken during Block One.)*

- EDSP 400 - Foundations of Special Education (4)

*(it is recommended that this course be taken prior to Block Three.)*

- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
*(prerequisite for EDEL 417)*

**Block One (must be completed before Block Two)**

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- EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

**Block Two (must be completed before Block Three)**

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)

**Block Three (must be completed before Block Four)**

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- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)

**Directed Teaching Credential Requirements (12 units)**

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**Block Four (must attend a mandatory directed teaching meeting prior to enrolling in these courses.)**

- EDEL 403 - Directed Teaching: Multiple Subject (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

**C. Education Specialist Requirements (46 units)**

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Completion of this minor and passage of the CBEST qualify students to be eligible for a Special Education Internship Credential with verification of employment from a cooperating school district. For a Preliminary Education Specialist Credential, students must complete the additional credential coursework in their area of specialization (i.e., mild/moderate disabilities, moderate/severe disabilities, physical and health impairments or visual impairments). Students must consult with a special education adviser for specific program requirements.

**Complete the following:**

---

- EDSP 300 - Introduction to Special Education (4)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- EDSP 400 - Foundations of Special Education (4)

- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
(prerequisite for EDEL 417)
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 407 - Directed Teaching in Special Education (3–12)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDIT 430 - Information Technologies in the Classroom (4)  
or equivalent

**Internship Emphasis Requirement: Specialization (8)**

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Complete 8 units of appropriate work in the selected area of specialization.

**Mild-to-Moderate Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)

**Moderate-to-Severe Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)

**Physical and Health Impairments**

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- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 460 - Implications of Physical and Health Impairments (4)

**Visual Impairment and Blindness**

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- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)



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## Science, Technology, and Medicine Studies Minor

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Drawing from the traditions of critical science studies scholarship in a wide variety of disciplines, this minor examines the social and cultural dimensions of science and its technological and medical applications. While deepening students' knowledge of the sciences, the minor explores the social and cultural imperatives that shape science and its applications. The minor also studies the influence of the sciences on social formations and cultural productions. The minor is designed for students interested in science-focused careers in law, journalism, education, publishing, government, business, and nonprofit work. This minor also incorporates some of the recommended courses and electives for students seeking careers in medicine; as such, it provides a useful supplement for pre-med students pursuing majors in the natural sciences. Students interested in careers in medicine should consult with the Health careers advisement office (King Hall room D 1044) to discuss the recommended courses and preparation appropriate for their career goals.

Liberal Studies students who take the Option I Concentration in Science, Technology, and Medicine Studies are ineligible for the minor. Students from any other major (including Liberal Studies majors who chose other concentrations, options, or depth areas) may select this minor in order to deepen their understanding of science, technology, and medicine. Students interested in the minor should contact a Liberal Studies advisor.

### Requirements for the Minor (32 units)

#### Required Course in Interdisciplinary Science Studies (4 units)

- LBS 420 - Science, Culture, and Representation (4)

#### Technology Studies: Select one course from the following (4 units)

- TECH 250 - Impact of Technology on the Individual and Society (4)
- ENGR 383 - Ancient and Modern Technology (4) **also listed as**
- TECH 383 - Ancient and Modern Technology (4)

#### Medicine Studies: Select one course from the following (4 units)

- ANTH 444 - Medical Anthropology (4)
- GEOG 448 - Medical Geography (4)
- HIST 458 - Sickness and Health in American History (4)
- PH 463 - International Health (4)
- SOC 425 - Medical Sociology (4)

#### History and Religious Studies: Select one course from the following (4 units)

- CHEM 380N - Ancient and Modern Science (4) **also listed as**
- HIST 380 - Ancient and Modern Science (4) **also listed as**
- PHIL 380 - Ancient and Modern Science (4)
- HIST 401 - History of Globalization: Themes and Continuities (4)

#### Science and Society: Select one course from the following (4 units)

- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 423 - Material Culture (4)
- EDEL 454 - The Science, Technology and Society Curriculum K-7 (4)
- SOC 432 - Science, Technology, and Social Character (4)
- SOC 433 - Bioethics and Sociology (4)

#### Philosophy: Select one course from the following (4 units)

- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
- PHIL 427 - Environmental Ethics (4)
- PHIL 428 - Ethics and Genetics (4)
- PHIL 429 - Bioethics (4)
- PHIL 485 - Philosophy of Science (4)

## Global Environment: Select one course from the following (4 units)

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- CE 358 - Environment, Earth Systems and Technology (4) **also listed as**
- GEOG 333 - Environment and Development in the Third World (4)
- GEOG 415 - Perspectives on Environment (4)
- PH 370 - Environmental Racism (4)

## Electives (4 units)

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With advisor approval, students select 4 units of coursework from the courses listed above.

## Women's and Gender Studies Minor

The Women's and Gender Studies minor is a 32-unit interdisciplinary course of study that takes as its central object of study gender in culture and society. This minor draws upon the traditions of feminist scholarship in a wide variety of disciplines, from the natural and social sciences through the humanities and arts. Although the field of women's studies has always looked at the construction of gender and gendered roles and representations, the use of "gender studies" makes the focus both general and specific: students critically analyze gender in the contexts of class, race, ethnicity, and sexual orientation, and explore gender as an instrument of power, as a set of cultural meanings to be interpreted, and as a set of bodily performances.

Liberal Studies students who take the Option I concentration in Women's and Gender Studies are ineligible for the minor. Students from any other major (including Liberal Studies majors who chose other concentrations, depth areas, or options) may elect to minor in Women's and Gender Studies in order to understand the ways in which gender affects their other fields of study. Courses that comprise the minor must be selected with the approval of a Women's and Gender Studies adviser.

### Requirements for the Minor (32 Units)

#### Required courses (24 units)

##### Woman's and Gender Studies (12 units)

- WOMN 200 - Introduction to Women's and Gender Studies (4)
- WOMN 203 - Gender and Race in the United States (4)
- WOMN 400 - Women's and Gender Studies: Theories and Methods (4)

##### Natural Science Perspectives (4 units)

Select one course from:

- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
- \* BIOL 388N - Sex and Gender (4) **also listed as**
- \* PSY 388 - Sex and Gender (4)
- \* LBS 386 - Gender in Science (4)

##### Social Science Perspectives (4 units)

Select one course from:

- \* ANTH 338 - Gender Roles in Crosscultural Perspectives (4)
- CHS 280 - Chicanas and Latinas in Contemporary U.S. Society (4)
- CHS 480 - Chicana Feminisms and Women's Movements (4)
- CRIM 470 - Women and Crime (4)
- \* HIST 357 - Gender in History (4)
- HIST 450B - Research Capstone: Special Studies in History (4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 485 - U.S. Women to 1877 (4)
- HIST 486 - U.S. Women, 1877 to the Present (4)
- KIN 441 - Gender, Sport, and Culture (4) **also listed as**
- PAS 405 - Black Feminism (4)
- PAS 406 - Black Women Leaders in Thought and Politics (4)
- PAS 412 - Third World Women and Development (4)
- \* POLS 310 - Gender, Politics, and Government (4)
- POLS 442 - American Constitutional Law: Civil Rights (4)
- PSY 419 - Psychology of Gender (4)
- \* SOC 341 - Sociology of Gender Roles (4)
- SOC 416 - Feminist Theories and Contemporary Society (4) **also listed as**
- WOMN 416 - Feminist Theories and Contemporary Society (4)
- SOC 441 - Researching Gender in Social Institutions (4)
- SOC 443 - Diversity in Alternative Families (4)
- TECH 250 - Impact of Technology on the Individual and Society (4)

## Arts and Humanities Perspectives (4 units)

Select one course from:

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- COMM 475 - Feminism and Communication (4)
- COMM 479 - Sex Roles in Communication (4)
- ENGL 260 - Women and Literature (4)
  
- \* ENGL 379 - Gender and Sexuality in Popular Culture (4) **also listed as**
- \* TVF 379 - Gender and Sexuality in Popular Culture (4)
  
- \* ENGL 385 - Sex and Gender in Language and Literature (4) **also listed as**
- COMM 385 - Sex and Gender in Language and Literature (4)
  
- ENGL 453 - Modern Women Writers (4)
- ENGL 470 - American Women Writers (4)
- LBS 390 - Race, Class, and Gender in the Classroom (4)
- LBS 454 - Selected Topics in Liberal Studies (1–4) (4)
- \* PHIL 327 - Philosophy, Gender and Culture (4)
  
- PHIL 413 - Issues in Feminist Philosophy (4) **also listed as**
- WOMN 413 - Issues in Feminist Philosophy (4)
  
- \* RELS 335 - Gender in the Diversity of World Religions (4)
- WOMN 454 - Special Topics in Women's Studies (4)
- WOMN 491 - Proseminar: Women's Studies (1–4)
- WOMN 499 - Undergraduate Directed Study (1–8)

### Note:

*\*Students who choose these courses (one in each Area) will satisfy the upper division General Education Theme C, Gender in the Diversity of Human Experience. These 12 units may be used to satisfy both general education and Women's and Gender Studies minor requirements.*

## Electives (8 units)

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With major advisor approval, students select 8 units of coursework from the courses listed above.

# Undergraduate Certificate Program in Women, Genders, and Sexualities



The Certificate in the Study of Women, Genders, and Sexualities is a 24-unit interdisciplinary course of study that engages students in critical thinking about social categories of gender, sex, and sexuality, particularly as they intersect with other social categories integral to the construction of gender, sex, and sexuality including race, ethnicity, class, and nation. Building upon the historical foundation of scholarship in Women's Studies, the Certificate in the Study of Women, Genders, and Sexualities provides a space for inquiry regarding the social construction, lived experience, and politics of representation of bodies in a variety of social, cultural, historical, and political contexts. The Certificate in the Study of Women, Genders, and Sexualities provides students with "core" knowledge about women, genders, and sexualities from a theoretical, multicultural, and historical perspective while also allowing students to select from elective courses across the disciplines to meet their own research, career, and educational goals.

The Certificate in the Study of Women, Genders, and Sexualities is comprised of a total of 24 units in required and elective courses. Applicants with a baccalaureate degree and a 2.5 GPA in their last 90 quarter units will be eligible for admission to the certificate program. Once accepted, students will be required to develop a plan of study in consultation with an advisor. There are no other prerequisites for admission to the program, but WOMN 400 requires the completion of WOMN 200 or comparable coursework. Some electives may also require prerequisites.

## Requirements for the Certificate (24 units)

### Core Courses (12 units)

- WOMN 400 - Women's and Gender Studies: Theories and Methods (4)
- WOMN 500 - Integrative Seminar in the Study of Women, Genders, and Sexualities (4)

Select one of the following. Courses not taken to fulfill this requirement may be taken as electives.

- CHS 480 - Chicana Feminisms and Women's Movements (4)
- CHS 482 - Latin American Women's Movements (4) **also listed as**
- LAS 482 - Latin American Women's Movements (4) **also listed as**
- WOMN 482 - Latin American Women's Movements (4)
- HIST 459 - Sexuality in the Americas (4)
- PAS 405 - Black Feminism (4)

### Electives (select 12 units from the following courses or from unused courses above)

- CHS 485 - Health and Chicano/Latino Families (4)
- COMM 475 - Feminism and Communication (4)
- COMM 479 - Sex Roles in Communication (4)
- ENGL 453 - Modern Women Writers (4)
- ENGL 470 - American Women Writers (4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 485 - U.S. Women to 1877 (4)
- HIST 486 - U.S. Women, 1877 to the Present (4)
- KIN 441 - Gender, Sport, and Culture (4) **also listed as**
- PAS 406 - Black Women Leaders in Thought and Politics (4)
- PAS 412 - Third World Women and Development (4)
- PHIL 413 - Issues in Feminist Philosophy (4) **also listed as**
- WOMN 413 - Issues in Feminist Philosophy (4)
- PSY 419 - Psychology of Gender (4)
- SOC 416 - Feminist Theories and Contemporary Society (4) **also listed as**
- WOMN 416 - Feminist Theories and Contemporary Society (4)
- SOC 441 - Researching Gender in Social Institutions (4)
- SOC 443 - Diversity in Alternative Families (4)
- SW 463 - Women's Issues in Social Welfare (4)
- WOMN 454 - Special Topics in Women's Studies (4)
- WOMN 491 - Proseminar: Women's Studies (1-4)

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**Program:** Women, Genders and Sexualities

**Occupations that this certificate program prepares students to enter:**

- Secondary School Teachers; 25-2031;  
[www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00)
- Social Sciences Teachers, Postsecondary; 25-1060;  
[www.onetonline.org/find/quick?s=25-1060+](http://www.onetonline.org/find/quick?s=25-1060+)
- Social Work Teachers, Postsecondary; 25-1113;  
[www.onetonline.org/link/summary/25-1113.00](http://www.onetonline.org/link/summary/25-1113.00)
- Miscellaneous Postsecondary Teachers; 25-1190;  
[www.onetonline.org/find/quick?s=25-1190](http://www.onetonline.org/find/quick?s=25-1190)
- Miscellaneous Social Scientists and Related Workers; 19-3090;  
[www.onetonline.org/find/quick?s=19-3090](http://www.onetonline.org/find/quick?s=19-3090)
- Counselor; 21-1019;  
[www.onetonline.org/link/summary/21-1019.00](http://www.onetonline.org/link/summary/21-1019.00)
- Social Workers; 21-1029;  
[www.onetonline.org/link/summary/21-1029.00](http://www.onetonline.org/link/summary/21-1029.00)
- Social and Human Service Assistants; 21-1093;  
[www.onetonline.org/link/summary/21-1093.00](http://www.onetonline.org/link/summary/21-1093.00)
- Community and Social Service Specialists; 21-1099;  
[www.onetonline.org/link/summary/21-1099.00](http://www.onetonline.org/link/summary/21-1099.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Department of Modern Languages and Literatures

### DEPARTMENT OFFICE

King Hall D1054

Phone: (323) 343-4230

FAX: (323) 343-4234

Website: [www.calstatela.edu/academic/mlld/](http://www.calstatela.edu/academic/mlld/)

### LANGUAGE LABORATORY

King Hall D1041

Telephone: (323) 343-4236

### ADVISEMENT OFFICE

King Hall D1042

Telephone: (323) 343-4229

The Department of Modern Languages and Literatures offers programs leading to the Bachelor of Arts degree in Chinese, French, Japanese, and Spanish, as well as minors in Chinese, French, Japanese, and Spanish. In addition, classes are periodically offered in other languages such as Arabic, Armenian, German, Korean, Italian, Latin, Persian, Portuguese, Russian, Thai, and Vietnamese. The Department also offers Master of Arts degrees in French and Spanish.

## The Faculty

**Professors:** Gretchen Angelo, María Dolores Costa, Domnita Dumitrescu, Kylie Hsu, Christophe Lagier, Sachiko Matsunaga (Chair), Qingyun Wu.

**Associate Professors:** Gaston Alzate, Elena Retzer, Alejandro Solomianski, Toshiko Yokota.

**Assistant Professors:** Pablo Baler, Chisato Koike, Namhee Lee, Paola Marin, Maria F. Marquez.

**Emeriti:** Alfred F. Michael Atlee, Abdallah J. Beddawi, Dale Carter, Joseph A. Chrzanowski, Alfonso Gonzalez, Kazumitsu Kato, Hugh W. Kennedy, Harold E. Lionetti, G. Grant MacCurdy, Alfredo O. Morales, Françoise M. Pasques, Elba Torres de Peralta, Leon Schwartz, Hildebrando Villarreal.

### ***Advanced Placement Credit***

Course and unit credit are granted for a score of 4 or 5 on Advanced Placement Language and Literature Examinations. Students should consult the department for more information.

### ***Placement Examinations***

The Department of Modern Languages and Literatures administers placement examinations to assist students in determining their level of language proficiency.

### ***Sequence of Classes***

Prerequisite courses must be completed prior to enrollment. Prerequisites appear in course descriptions in this catalog. Exceptions may be approved by departmental petition for qualified students having compelling reasons. Petitions should be filed prior to registration.

### ***Reading Examinations***

The Department of Modern Languages and Literatures administers Reading Examinations in selected languages. Students in graduate programs needing to verify proficiency in a language other than English must enroll in ML 901, in the quarter in which it is to be taken.

### ***Limitation on Language Credit***

Equivalent courses taken at the college level may not be repeated for credit toward a degree. A student with one year of high school language would normally be expected to enter 100B; a student with two years of high school language would enter 100C; with three years, 200A, and so on. However, it is recognized that special circumstances may make it advisable for some students to start at higher or lower levels. Therefore, the department will allow certain students who have studied a language other than English exclusively at the high school level to depart from the equivalency formula specified above after consultation and with the recommendation of a properly designated adviser.

Students who completed their secondary education in a foreign country where a language other than English is spoken natively may not receive credit



for elementary language and Lower Division conversation courses in that language.

### ***Limitations on Credit for “Non-Traditional” Courses***

A total of eight units of the following courses may be applied to major programs in the department: FREN 499, JAPN 395, ML 392, 399, 496, and SPAN 499. Exceptions may be made only in extraordinary circumstances and with the approval of the departmental adviser and chair.

### **Assessment**

Majors in the Department of Modern Languages and Literatures must demonstrate the skills and knowledge appropriate to their baccalaureate degree. This is done by means of assessment procedures that include completion of required and elective courses, evaluation of language proficiency and content knowledge upon enrollment at the Upper Division level and at the exit from the program, assignment to a faculty mentor, and the submission of a portfolio. For more information, students should contact the Department of Modern Languages and Literatures prior to enrolling in Upper Division courses.

## **Foreign Language Cooperative Program (FLCP)**

Courses in the Foreign Language Cooperative Program (FLCP 288 lower division, FLCP 488 upper division) are designed to give eligible students the opportunity to study at UCLA a language other than English that is not offered at this campus or any neighboring CSU campus. For information regarding enrollment and qualifications, consult the Department of Modern Languages and Literatures.

## **Reading Examinations**

Modern language reading examinations are administered by the Department of Modern Languages and Literatures. Students in graduate programs requiring reading proficiency in a foreign language must enroll in ML 901 in the quarter in which it is to be taken.

### **German**

The Department of Modern Languages and Literatures does not offer a major or a minor in German. However, courses in German are periodically offered for students majoring in other fields. The study of German may be of particular value to students of music, science, history, or political science. Knowledge of German may be helpful in securing employment with U.S. or international agencies or with international business firms.

### **Italian**

The Department of Modern Languages and Literatures does not offer a major or a minor in Italian. However, courses in Italian are periodically offered for students majoring in other fields. The study of Italian may be of value to students preparing to teach Romance languages; to those interested in the culture of Italy; or to those preparing for language prerequisites to graduate degrees.

### **Latin**

The Department of Modern Languages and Literatures does not offer a major leading to the Bachelor of Arts degree in Latin, nor a minor to accompany a major in another field. However, courses in Latin are periodically offered for students majoring in other fields. The study of Latin may be of value to students anticipating graduate study, preparing to teach Romance languages, or who are interested in the Classics and in Roman and Early Christian history.

### **Portuguese**

The Department of Modern Languages and Literatures does not offer a major leading to a Bachelor of Arts degree in Portuguese or a minor to accompany a major in another field. However, courses in Portuguese are periodically offered for students majoring in other fields. The study of Portuguese may be of value to students interested in Latin American Studies or to those preparing to teach Romance languages.

### **Russian**

The Department of Modern Languages and Literatures does not offer a major leading to a Bachelor of Arts degree in Russian or a minor to accompany a major in another field. However, courses in Russian are periodically offered for students majoring in other fields. The study of Russian may be of value to students who wish to acquire knowledge of the Russian language, culture, and literary forms.

## **Programs for this Department**

### **Undergraduate Major**

- Chinese, B.A.
- French, B.A.
- Japanese, B.A.
- Spanish, B.A.

### **Undergraduate Minor**

- Chinese Minor
- French Minor
- Japanese Minor
- Spanish Minor

**Undergraduate Certificate**

- Undergraduate Certificate Program in Korean

**Graduate Major**

- French, M.A.
- Spanish, M.A.

**Credential**

- Modern Languages and Literatures Credential Program

## Chinese, B.A.



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The Chinese program includes a major for the Bachelor of Arts degree and a minor. It emphasizes functional communicative skills in Chinese and offers a broad and in-depth study of Chinese language, linguistics, literature, and culture.

Acquiring functional skills in listening, speaking, reading, and writing provides students with direct access to the Chinese people and society. They will also better understand and be able to interact with the people in mainland China, Taiwan, and Chinese communities in other countries. The study of Chinese language, linguistics, literature, and culture also broadens intellectual horizons, fosters appreciation for linguistic and cultural diversity, and helps prepare students to take their places as global citizens of the twenty-first century.

The total number of units required for the Bachelor of Arts degree in Chinese is 180 units, of which 70 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (70 units)

Students complete 1 unit of lower-division required coursework, a common core of 37 upper-division required units and minimum of 32 units of upper-division elective units. Prior to beginning the Bachelor of Arts Program in Chinese, students must have completed the second year of college level Chinese or demonstrate equivalent language competency.

#### Lower-Division Required Courses (1 unit)

- ML 150 - Building a Modern Languages Portfolio (1)

#### Upper-Division Required Courses (37 units)

- CHIN 300A - Advanced Chinese I (4)
- CHIN 300B - Advanced Chinese II (4)
- CHIN 305 - Introduction to Chinese Linguistics (4)
- CHIN 310 - Chinese Civilization (4)
- CHIN 315 - Language in Chinese Society (4)
- CHIN 401 - Introduction to Wenyan: Classical Chinese Language (4)
- CHIN 408 - Chinese Literature I (4)
- CHIN 410 - Chinese Literature II (4)
- ML 400 - Research Methods in Modern Languages (4)
- ML 450 - Modern Languages Exit Assessment (1)

#### Upper-Division Elective Courses (32 units)

*\*Not applicable to major program.*

Select 8 courses from the following:

- CHIN 320 - Chinese Phonetics (4)
- CHIN 322 - Newspaper Chinese (4)
- CHIN 350 - Fundamentals of Translation (4)
- CHIN 380 - Business Chinese (4)
- \* CHIN 395 - Chinese in Community Service (1-4)
- CHIN 402 - Classical Chinese Language II (4)
- CHIN 403 - Contrastive Analysis of Chinese and English Structures (4)
- CHIN 420 - Chinese Poetry (4)
- CHIN 422 - Contemporary Chinese Fiction (4)
- CHIN 426 - Chinese Film (4)
- CHIN 428 - Chinese Women's Literature (4)
- CHIN 430 - Chinese Literature in Translation (4)
- CHIN 451 - Proseminar: Chinese Linguistics (4)
- CHIN 452 - Proseminar Yuan Ming Drama (4)
- CHIN 454L - Special Topics in Chinese (1-4)
- CHIN 454P - Special Topics in Chinese (1-4)
- CHIN 460 - Proseminar: Masters of Chinese Culture and Thought (4)
- ML 396 - Early Field Experience in Language Teaching (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)



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## French, B.A.

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The study of French is conducive to proficiency in oral and written communication and also provides training in a humanistic discipline. It enhances enjoyment of travel abroad, foreign films, and great literary works. Students who achieve a mastery of French may enter the teaching profession or work as translators, interpreters, or bilingual secretaries. Their skills are also useful in careers associated with international business, the Foreign Service, and the news media.

The undergraduate program in French includes a major for the Bachelor of Arts degree and a minor to accompany a major in another field. The Master of Arts degree program is described in the Graduate Programs section.

The total number of units required for the Bachelor of Arts degree in French is 180 units, of which 78 or 82 units are in the major. These major units include one year (12 units) of first-year college level language studies other than English and the target language (French).

The Bachelor of Arts degree is available in two options: a General Option and a Single-Subject Matter Preparation option (for students planning to earn a Single-Subject Teaching Credential after the B.A.).

At least 24 units must be earned in residence at Cal State L.A. FREN 200ABC is prerequisite to entrance into the program and may be satisfied by appropriate high school or college preparation or by examination.

In order to take courses numbered above FREN 301, students must demonstrate speaking and writing competency at the intermediate-mid level through successful completion of FREN 299.

### Requirements for the Major (78 or 82 units)

Students in both options complete a Common Core of 13 lower division unit and 37 upper-division units.

### Common Core (50 units)

#### Lower Division Required Courses (13 units):

One year of first-year college level language studies other than English and the target language (French) is required prior to graduation (12).

- ML 150 - Building a Modern Languages Portfolio (1)
- FREN 299 - Intermediate Proficiency (0)

#### Upper Division Required Courses (37 units):

- FREN 300A - Advanced Grammar (4)
- FREN 300B - Introduction to Literary Analysis (4)
- FREN 305 - Phonetics (4)
- FREN 310A - French Culture and Institutions (4)
- FREN 310B - French Culture and Institutions (4)
- FREN 401 - Cours de Style (4)
- FREN 410 - Introduction to French Prose and Dramatic Literature I (4)
- FREN 411 - Introduction to French Prose and Dramatic Literature II (4)
- FREN 413 - Panorama de la Francophonie (4)
- ML 400 - Research Methods in Modern Languages (4)
- ML 450 - Modern Languages Exit Assessment (1)

### Options

- General Option
- Single-Subject Matter Preparation Option
- Additional Required Courses for Single-Subject Matter Preparation Option

#### General Option (78 units)

*No more than 24 units of 300-level courses permitted.*

Students who select the General Option must complete the Common Core and 28 additional units of electives, selected from the following:

- FREN 301 - Contemporary Spoken French (4)
- FREN 310A - French Culture and Institutions (4)

- FREN 310B - French Culture and Institutions (4)
- FREN 380 - Commercial French (4)
- FREN 403 - Topics in French Applied Linguistics (4)
- FREN 405 - Translation (4)
- FREN 412 - Masters of French Poetry: Beginnings to Symbolism (4)
- FREN 450 - Selected Topics in French Literary Prose (4)
- FREN 451 - Selected Topics in French Dramatic Literature (4)
- FREN 454 - Special Topics in French (1–4) (4)
- FREN 461 - Masters of French Literature in Translation (4)
- FREN 471 - The French Film (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)

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### Single-Subject Matter Preparation Option (82 units)

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Students who select the Single Subject Matter Preparation option must complete the Common Core (50 units) and the following additional courses. Note that both FREN 310A and FREN 310B must be taken by students in this option; one within the common core, the other within the required block for this option.

### Additional Required Courses for Single-Subject Matter Preparation Option (20 units)

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- FREN 310A - French Culture and Institutions (4)
- FREN 310B - French Culture and Institutions (4)
- FREN 403 - Topics in French Applied Linguistics (4)
- FREN 405 - Translation (4)
- ML 396 - Early Field Experience in Language Teaching (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)

**Students in the Single-Subject Matter Preparation option must also complete 12 units of electives selected from the following:**

- FREN 380 - Commercial French (4)
  - FREN 412 - Masters of French Poetry: Beginnings to Symbolism (4)
  - FREN 450 - Selected Topics in French Literary Prose (4)
  - FREN 451 - Selected Topics in French Dramatic Literature (4)
  - FREN 454 - Special Topics in French (1–4)
  - FREN 471 - The French Film (4)
- No more than 28 units of 300-level courses permitted.*

# Japanese, B.A.

The program in Japanese includes a major for the Bachelor of Arts degree and a minor. The program places emphasis on the development of functional communicative skills in Japanese and offers in-depth study of Japanese literature, language, and civilization.

Acquiring functional skills in listening, speaking, reading, writing, and culture gives students direct access to the Japanese people and society, enabling them to better understand and interact with the people of Japan today. The study of Japanese literature, language, and civilization broadens intellectual horizons, fosters appreciation of cultural and linguistic diversity, and helps equip students to take their place as global citizens of the twenty-first century.

Students who wish to qualify for the Single-Subject credential should note the requirements described below, and are referred to the Charter College of Education section of the Undergraduate Studies: General Information for regulations governing all teaching credential programs.

The total number of units required for the Bachelor of Arts degree in Japanese is 180 units, of which 78 or 82 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major

### Options

- General Option
- Single-Subject Matter Preparation Option

#### General Option (66 units)

A total of 66 units are required, including at least 24 units earned in residence at Cal State L.A. elementary and intermediate Japanese (JAPN 100A, JAPN 100B, & JAPN 100C or JAPN 200A, JAPN 200B, & JAPN 200C), or an equivalent level of proficiency, are prerequisite to the major. All students take a required common core of 54 units and 12 units of electives for a total of 66 units.

#### Lower Division Required Courses (1unit)

- ML 150 - Building a Modern Languages Portfolio (1)

#### Upper Division Core Courses (53 units)

- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
- JAPN 310 - Japanese Civilization to 1600 (4)
- and
- JAPN 311 - Japanese Civilization Since 1600 (4)
- \* JAPN 315 - Language in Japanese Society (4)
- or
- \* JAPN 320 - Introduction to Japanese Linguistics (4)
- JAPN 400A - Advanced Reading and Composition (4)
- JAPN 400B - Advanced Reading and Composition (4)
- JAPN 400C - Advanced Reading and Composition (4)
- JAPN 408 - Classical Japanese Literature (4)
- and
- JAPN 410 - Modern Japanese Literature (4)
- \* JAPN 450 - Proseminar: Japanese Linguistics (4)
- or
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)
- ML 400 - Research Methods in Modern Languages (4)
- ML 450 - Modern Languages Exit Assessment (1)

#### Electives (12 units)

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Select 12 units from the following:

- JAPN 307 - Japanese Literature in Translation (4)
- JAPN 315 - Language in Japanese Society (4)
- JAPN 320 - Introduction to Japanese Linguistics (4)
- JAPN 380 - Business Japanese (4)
- JAPN 403 - Contrastive Analysis of Japanese and English Structures (4)
- JAPN 450 - Proseminar: Japanese Linguistics (4)
- JAPN 454L - Special Topics in Japanese (1–4)
- JAPN 454P - Special Topics in Japanese (1–4)
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)

### Single-Subject Matter Preparation Option (82 units)

A total of 82 units are required, including at least 24 units earned in residence at Cal State L.A. elementary and intermediate Japanese (JAPN 100A, JAPN 100B, JAPN 100C or JAPN 200A, JAPN 200B, & JAPN 200C ), or an equivalent level of proficiency, are prerequisite to the major. All students take a required common core of 66 units and 12 units of electives for a total of 78 units. Students seeking the Single-Subject Matter Preparation program in Japanese are required to take ML 396 (4 units) for a total of 82 units.

#### Lower Division Required Courses (13 units)

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One year (three quarters) of the first-year college level language studies other than English and the target language (Japanese) is required prior to graduation. (12)

- ML 150 - Building a Modern Languages Portfolio (1)

#### Upper Division Core Courses (53 units)

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- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
  
- JAPN 310 - Japanese Civilization to 1600 (4)  
**and**
- JAPN 311 - Japanese Civilization Since 1600 (4)
  
- \* JAPN 315 - Language in Japanese Society (4)  
**or**
- \* JAPN 320 - Introduction to Japanese Linguistics (4)
  
- JAPN 400A - Advanced Reading and Composition (4)
- JAPN 400B - Advanced Reading and Composition (4)
- JAPN 400C - Advanced Reading and Composition (4)
  
- JAPN 408 - Classical Japanese Literature (4)  
**and**
- JAPN 410 - Modern Japanese Literature (4)
  
- \* JAPN 450 - Proseminar: Japanese Linguistics (4)  
**or**
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)
  
- ML 400 - Research Methods in Modern Languages (4)
- ML 450 - Modern Languages Exit Assessment (1)

#### Electives (12 units)

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*\*Required for the Single Subject Matter Preparation program.*

Select 12 units from the following:

- JAPN 307 - Japanese Literature in Translation (4)
- \* JAPN 315 - Language in Japanese Society (4)
- \* JAPN 320 - Introduction to Japanese Linguistics (4)
- JAPN 380 - Business Japanese (4)
- \* JAPN 403 - Contrastive Analysis of Japanese and English Structures (4)
- \* JAPN 450 - Proseminar: Japanese Linguistics (4)
- JAPN 454L - Special Topics in Japanese (1–4)
- JAPN 454P - Special Topics in Japanese (1–4)
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)
- \* ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)

#### Additional Required Course for the Single-Subject Matter Preparation Program (4 units)

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- ML 396 - Early Field Experience in Language Teaching (4)
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## Spanish, B.A.

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The Undergraduate program includes a major for the Bachelor of Arts and a Minor for students majoring in other fields.

The Bachelor of Arts degree is available in three options: a General Option, a Single-Subject Matter Preparation Program Option (for students seeking a Single-Subject Teaching Credential), and a Creative Writing in Spanish Option. The total number of units required for the Bachelor of Arts degree in Spanish is 180 units, of which 74 or 78 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

Prior to beginning the Bachelor of Arts program in Spanish, students must have completed the second year of college-level Spanish or demonstrate equivalent language competency on the department's placement examination.

### Requirements for the Major (74 or 78 units)

All students, irrespective of the option they select, complete a Common Core of 1 lower division unit and 37 upper-division units. These courses are the following.

#### Lower Division Required Course (1 unit)

- ML 150 - Building a Modern Languages Portfolio (1)

#### Upper Division Required Courses (37 units)

- SPAN 300A - Advanced Composition and Grammar (4)
- SPAN 300B - Advanced Composition and Grammar (4)
- SPAN 305 - Introduction to Spanish Linguistics (4)
- SPAN 310 - Spanish Civilization (4)
- SPAN 315 - Spanish-American Civilization (4)
- SPAN 401 - Introduction to Literary Analysis (4)
- SPAN 408 - Spanish Literature I (4)
- SPAN 413 - Spanish-American Literature II (4)
- ML 400 - Research Methods in Modern Languages (4)
- ML 450 - Modern Languages Exit Assessment (1)

### Options

- General Option
- Single-Subject Matter Preparation Option
- Creative Writing in Spanish Option

#### General Option (74 units)

Students who select the General Option must complete the core courses (see above) and any 36 additional units from the following groups of electives.

##### Linguistics and Language Teaching

- SPAN 320 - Phonetics and Phonology (4)
- SPAN 400A - Spanish Morphology (4)
- SPAN 400B - Syntax (4)
- SPAN 402 - Spanish in the United States (4)
- SPAN 403 - Topics in Spanish Applied Linguistics: Languages in Contrast (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)
- SPAN 461 - Proseminar in Hispanic Linguistics (4)

##### Spanish Literature

- SPAN 410 - Spanish Literature II (4)
- SPAN 414 - Don Quixote de la Mancha (4)
- SPAN 418 - Golden Age Poetry and Prose (4)
- SPAN 424 - Golden Age Drama of Spain (4)
- SPAN 426 - Nineteenth Century Spanish Novel (4)
- SPAN 428 - The Generation of 1898 (4)
- SPAN 472 - 20th and 21st Century Spanish Prose (4)



## Spanish-American Literatures

- SPAN 411 - Spanish-American Literature I (4)
- SPAN 417 - Spanish-American Short Story (4)
- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)
- SPAN 431 - Spanish-American Testimony (4)
- SPAN 435 - Ruben Dario and Modernismo (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)

## Miscellaneous Hispanic Themes

*No more than 32 units of 300 level courses permitted*

- SPAN 350 - Fundamentals of Translation (4)
- SPAN 380 - Commercial Spanish (4)
- ML 410 - Chicana and Mexican Women Writers (4)
- SPAN 440 - Hispanic Film (4)
- SPAN 445 - Journalism in Spanish (4)
- SPAN 446 - Essays and Articles in Spanish (4)
- SPAN 450 - Applied Spanish Journalism – Practicum (4)
- SPAN 451 - Styles and Techniques of Poetry in Spanish (4)
- SPAN 453 - Script Writing for Fiction Film in Spanish (4)
- SPAN 454L,P - Special Topics in Spanish (1–4)
- SPAN 455 - Fiction Writing in Spanish (4)
- MUS 458 - Music of Latin America (4)
- SPAN 459 - Hispanic Play Production (3–4) (4)
- SPAN 460 - Proseminar: Advanced Placement Hispanic Authors (4)

## Single-Subject Matter Preparation Option (78 units)

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Students who select the Single-Subject Matter Preparation option must complete the core courses (see above), 28 units of required courses, and 12 units of electives.

### Required Courses (28 units)

#### Linguistics and Language Teaching

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- SPAN 320 - Phonetics and Phonology (4)
- ML 396 - Early Field Experience in Language Teaching (4)
- SPAN 400A - Spanish Morphology (4)
- SPAN 400B - Syntax (4)
- SPAN 403 - Topics in Spanish Applied Linguistics: Languages in Contrast (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)

#### Miscellaneous Hispanic Themes

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- SPAN 350 - Fundamentals of Translation (4)
- **or**
- SPAN 380 - Commercial Spanish (4)

### Electives (12 units)

Select 12 units from any of the following groups:

#### Linguistics and Language Teaching

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- SPAN 402 - Spanish in the United States (4)
- SPAN 461 - Proseminar in Hispanic Linguistics (4)

#### Spanish Literature

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- SPAN 310 - Spanish Civilization (4)
- SPAN 410 - Spanish Literature II (4)
- SPAN 414 - Don Quixote de la Mancha (4)
- SPAN 418 - Golden Age Poetry and Prose (4)
- SPAN 424 - Golden Age Drama of Spain (4)
- SPAN 426 - Nineteenth Century Spanish Novel (4)
- SPAN 428 - The Generation of 1898 (4)
- SPAN 472 - 20th and 21st Century Spanish Prose (4)

#### Spanish-American Literatures

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- SPAN 315 - Spanish-American Civilization (4)
- SPAN 411 - Spanish-American Literature I (4)
- SPAN 417 - Spanish-American Short Story (4)
- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)
- SPAN 431 - Spanish-American Testimony (4)
- SPAN 435 - Ruben Dario and Modernismo (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)

#### Miscellaneous Hispanic Themes

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*No more than 36 units of 300 level courses permitted.*

- SPAN 350 - Fundamentals of Translation (4)
- SPAN 380 - Commercial Spanish (4)
- SPAN 440 - Hispanic Film (4)
- SPAN 445 - Journalism in Spanish (4)
- SPAN 446 - Essays and Articles in Spanish (4)
- SPAN 450 - Applied Spanish Journalism – Practicum (4)
- SPAN 451 - Styles and Techniques of Poetry in Spanish (4)
- SPAN 453 - Script Writing for Fiction Film in Spanish (4)
- SPAN 454L,P - Special Topics in Spanish (1–4)
- SPAN 455 - Fiction Writing in Spanish (4)
- SPAN 459 - Hispanic Play Production (3–4) (4)
- SPAN 460 - Proseminar: Advanced Placement Hispanic Authors (4)
- ML 410 - Chicana and Mexican Women Writers (4)

#### Creative Writing in Spanish Option (74 units)

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Students who select the Creative Writing in Spanish option must complete the core courses (see above), 24 units of required courses, and 12 units of electives.

##### Spanish Literature

- SPAN 410 - Spanish Literature II (4)

##### Spanish-American Literatures

- SPAN 411 - Spanish-American Literature I (4)
- SPAN 417 - Spanish-American Short Story (4)

##### Miscellaneous Hispanic Themes

- SPAN 451 - Styles and Techniques of Poetry in Spanish (4)
- SPAN 453 - Script Writing for Fiction Film in Spanish (4)
- SPAN 455 - Fiction Writing in Spanish (4)

##### Electives (12 units)

Select 12 units from any of the following groups:

##### Linguistics and Language Teaching

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- SPAN 320 - Phonetics and Phonology (4)
- SPAN 400A - Spanish Morphology (4)
- SPAN 400B - Syntax (4)
- SPAN 402 - Spanish in the United States (4)
- SPAN 403 - Topics in Spanish Applied Linguistics: Languages in Contrast (4)
- ML 403 - Current Approaches to Teaching and Assessment in Languages other than English (4)
- SPAN 461 - Proseminar in Hispanic Linguistics (4)

##### Spanish Literature

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- SPAN 414 - Don Quixote de la Mancha (4)
- SPAN 418 - Golden Age Poetry and Prose (4)
- SPAN 424 - Golden Age Drama of Spain (4)
- SPAN 426 - Nineteenth Century Spanish Novel (4)
- SPAN 428 - The Generation of 1898 (4)
- SPAN 472 - 20th and 21st Century Spanish Prose (4)

##### Spanish-American Literatures

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- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)

- SPAN 431 - Spanish-American Testimony (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)

#### Miscellaneous Hispanic Themes

---

*No more than 32 units of 300 level courses permitted*

- SPAN 350 - Fundamentals of Translation (4)
- SPAN 380 - Commercial Spanish (4)
- SPAN 440 - Hispanic Film (4)
- SPAN 445 - Journalism in Spanish (4)
- SPAN 446 - Essays and Articles in Spanish (4)
- SPAN 450 - Applied Spanish Journalism – Practicum (4)
- SPAN 454L,P - Special Topics in Spanish (1–4)
- MUS 458 - Music of Latin America (4)
- SPAN 459 - Hispanic Play Production (3–4)
- SPAN 460 - Proseminar: Advanced Placement Hispanic Authors (4)

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## Chinese Minor

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A minor in Chinese is available for students majoring in other fields. It may be of particular value to students interested in studying languages and literatures; history of East Asia in general and China especially; political science; or employment with the government, international business firms, or international agencies. A total of 32 units in Chinese is required, of which 12 are in Lower Division and 20 are in Upper Division courses.

### Requirements for the Minor ( 32 units )

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#### Lower Division Required Courses (12 units)

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- CHIN 200A - Intermediate Mandarin (4)
- CHIN 200B - Intermediate Mandarin (4)
- CHIN 200C - Intermediate Mandarin (4)

#### Upper Division Required Courses (16 units)

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- CHIN 300A - Advanced Chinese I (4)
- CHIN 300B - Advanced Chinese II (4)
- CHIN 310 - Chinese Civilization (4)
- CHIN 322 - Newspaper Chinese (4)


### Electives

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Select 4 - 16 units:

- CHIN 408 - Chinese Literature I (4)
- CHIN 410 - Chinese Literature II (4)
- CHIN 454L - Special Topics in Chinese (1-4) (4)
- CHIN 454P - Special Topics in Chinese (1-4) (4)
- ML 399 - Directed Reading (1-4) (4)

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## French Minor

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A minor in French is available for students majoring in other fields. It may be of particular value to students interested in the study of languages and literatures, the history of Europe or of French-speaking countries, political science, or in employment with the government, international business firms, or international agencies.

### Requirements for the Minor (40 units)

#### Lower Division Required Courses (12 units):

- FREN 200A - Intermediate French (4)
- FREN 200B - Intermediate French (4)
- FREN 200C - Intermediate French (4)
- FREN 299 - Intermediate Proficiency (0)

#### Upper Division Required Courses (12 units):

- FREN 300A - Advanced Grammar (4)
- FREN 300B - Introduction to Literary Analysis (4)
  
- FREN 310A - French Culture and Institutions (4)
- or
- FREN 310B - French Culture and Institutions (4)

#### Upper Division electives

Select 16 units from the following:

- FREN 301 - Contemporary Spoken French (4)
- FREN 305 - Phonetics (4)
- FREN 310A - French Culture and Institutions (4)
- FREN 310B - French Culture and Institutions (4)
- FREN 380 - Commercial French (4)
- FREN 401 - Cours de Style (4)
- FREN 405 - Translation (4)
- FREN 410 - Introduction to French Prose and Dramatic Literature I (4)
- FREN 411 - Introduction to French Prose and Dramatic Literature II (4)
- FREN 412 - Masters of French Poetry: Beginnings to Symbolism (4)
- FREN 413 - Panorama de la Francophonie (4)

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## Japanese Minor

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A minor in Japanese is available for students majoring in other fields or those with an interest in East Asia in general. It may be of particular interest to students studying history, international relations, other languages and literatures, business, or technology, as well as to those seeking employment with the government or international agencies.

Prerequisite: Elementary and intermediate Japanese (JAPN 100A, JAPN 100B, & JAPN 100C or JAPN 200A, JAPN 200B, & JAPN 200C) or an equivalent level of proficiency. The minor requires completion of 36 units in Japanese as listed below.

### Requirements for the Minor (36 units)

#### Upper Division Required Courses (24 units):

- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
- JAPN 400A - Advanced Reading and Composition (4)
- JAPN 400B - Advanced Reading and Composition (4)
- JAPN 400C - Advanced Reading and Composition (4)

#### Electives

Select 12 units from the following:

- JAPN 310 - Japanese Civilization to 1600 (4)
- JAPN 311 - Japanese Civilization Since 1600 (4)
- JAPN 315 - Language in Japanese Society (4)
- JAPN 320 - Introduction to Japanese Linguistics (4)
- JAPN 403 - Contrastive Analysis of Japanese and English Structures (4)
- JAPN 408 - Classical Japanese Literature (4)
- JAPN 410 - Modern Japanese Literature (4)
- JAPN 450 - Proseminar: Japanese Linguistics (4)
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)

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## Spanish Minor

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A minor in Spanish, totaling 40-44 units, depending on prior experience with the language, is available for students majoring in other fields. Following completion of a common core, students select a total of two to three electives. Electives encompass literature, linguistics, and civilization, as well as applied language.

Those interested in broadening their knowledge and understanding of the Hispanic language and culture would typically complete SPAN 320, 408 or 410, 411 or 413, and either 310 or 315. Students whose career goals require communicative proficiency in Spanish are encouraged to enroll in SPAN 350, 397, and 400A. SPAN 100ABC is prerequisite to this program and may be satisfied by appropriate high school preparation or by examination.

### Requirements for the Minor ( 40-44 units)

#### Lower Division Required Courses (8 or 16 units)

- SPAN 200A - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200B - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200C - Intermediate Spanish Non-Heritage Speakers (4)
- or
- SPAN 205A - Intermediate Spanish for Heritage Speakers (4)
- or
- SPAN 205B - Intermediate Spanish for Heritage Speakers (4)

#### Upper Division Required Courses (20 units)

- SPAN 300A - Advanced Composition and Grammar (4)
- SPAN 300B - Advanced Composition and Grammar (4)
- SPAN 305 - Introduction to Spanish Linguistics (4)
- SPAN 401 - Introduction to Literary Analysis (4)

#### Select from following (4 units):

- SPAN 310 - Spanish Civilization (4)
- SPAN 315 - Spanish-American Civilization (4)

#### Electives

Select 8-12 units from following:

- SPAN 320 - Phonetics and Phonology (4)
- SPAN 350 - Fundamentals of Translation (4)
- SPAN 380 - Commercial Spanish (4)
- SPAN 395N - Spanish in Community Service (1-4)
- SPAN 397 - Field Work in Spanish (1-4)
- SPAN 400A - Spanish Morphology (4)
- SPAN 408 - Spanish Literature I (4)
- SPAN 410 - Spanish Literature II (4)
- SPAN 411 - Spanish-American Literature I (4)
- SPAN 413 - Spanish-American Literature II (4)

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## Undergraduate Certificate Program in Korean



The certificate program in Korean is designed to afford students the opportunity to advance oral and written communication skills in Korean in culturally appropriate manners. The certificate enables students to pursue careers in organizations that seek persons with communicative skills in Korean, such as international business, education, and government organizations. It also benefits students who obtain jobs in local organizations whose employees represent bilingual cultures.

The certificate requires completion of 30 units as listed below.

### Prerequisites:

- KOR 100A - Elementary Korean (4)
  - KOR 100B - Elementary Korean (4)
  - KOR 100C - Elementary Korean (4)
- or  
*equivalent proficiency*

### Requirements for the Certificate (30 units)

#### Lower Division Required Courses (12 units)

- KOR 200A - Intermediate Korean (4)
  - KOR 200B - Intermediate Korean (4)
  - KOR 200C - Intermediate Korean (4)
- or
- KOR 230 - Intensive Intermediate Korean for Non-Heritage Speakers (12)
- or
- KOR 231 - Intensive Intermediate Korean for Heritage Speakers (12)

#### Upper Division Required Courses (12 units)

- KOR 300A - Advanced Korean (4)
  - KOR 300B - Advanced Korean (4)
  - KOR 300C - Advanced Korean (4)
- or
- ML 301A - Advanced Study of (a) Strategic Language (4)
  - ML 301B - Advanced Study of (a) Strategic Language (4)
  - ML 301C - Advanced Study of (a) Strategic Language (4)

#### Elective (6 units)

- KOR 395 - Korean in Community Service (1-6)
- KOR 397 - Field Work in Korean (1-6)
- ML 399 - Directed Reading (1-4)





## French, M.A.

The Department of Modern Languages and Literatures is **NOT** accepting applications for the MA in French at this time. Please consult with the department for further information.

The Master of Arts degree in French is designed to enable students to attain a high level of proficiency in the French language and its literature and to employ it skillfully in such pursuits as teaching, writing, translating, and communications, or as preparation for undertaking doctoral study.

### Admission to the Program

In addition to applying to the University, applicants must file a departmental application for admission along with official transcripts of all previous college work. These documents must reach the department early in the quarter preceding that in which course work for the degree is to begin. Applicants who hold a baccalaureate from Cal State L.A. and have not attended another college since graduation must also file a departmental application early in the quarter preceding graduate enrollment. No transcripts are required.

In addition to University requirements for admission to graduate study, applicants must have a Bachelor of Arts degree in French, or equivalent, and a minimum B (3.0) grade point average in Upper Division French courses. Applicants must also satisfy the departmental standards for oral proficiency in French. In addition, beginning Latin is recommended prior to enrollment in FREN 501.

#### Requirements for the Degree (48 units)

A total of 48 units is required, with at least 24 in 500-level courses.

In addition, three quarters (one year) of University-level study of an additional language other than English is required prior to advancement to candidacy.

#### Required Courses (28 units)

##### Language and Linguistics (8 units)

- FREN 501 - Development of French Language (4)
- FREN 509 - Analytical and Interpretive Writing in French (4)

##### Literature (16 units)

- FREN 450 - Selected Topics in French Literary Prose (4)
- **or**
- FREN 451 - Selected Topics in French Dramatic Literature (4)
- FREN 535 - Seminar: French Literary Prose since World War II (4)
- FREN 575 - Seminar: French Literature (4) repeat for 8 units

##### Culture (4 units)

- FREN 510 - Seminar: French Culture (4)

#### Electives (20 units)

In consultation with advisor, select French courses below that have not been taken previously.

- FREN 403 - Topics in French Applied Linguistics (4)
- FREN 412 - Masters of French Poetry: Beginnings to Symbolism (4)
- FREN 413 - Panorama de la Francophonie (4)
- FREN 450 - Selected Topics in French Literary Prose (4)
- FREN 451 - Selected Topics in French Dramatic Literature (4)
- FREN 454 - Special Topics in French (1-4)
- FREN 461 - Masters of French Literature in Translation (4)
- FREN 471 - The French Film (4)
- FREN 499 - Undergraduate Directed Study (1-4)
- FREN 575 - Seminar: French Literature (4)
- FREN 598 - Graduate Directed Study (1-4)

#### Comprehensive Examination (0 units)

Students should expect to take the comprehensive examination (FREN 596) the quarter they complete all course work in their program and must comply with college and departmental requirements.



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## Spanish, M.A.

The Master of Arts degree in Spanish is designed to enable students to attain a high level of proficiency in the Spanish language and literatures written in Hispanic countries and to employ it skillfully in such pursuits as teaching, writing, translating, and communications, or as preparation for doctoral study.

### Admission to the Program

In addition to applying to the University, applicants must file a departmental application for admission along with official transcripts of all previous college work. These documents must reach the department early in the quarter preceding that in which course work for the degree is to begin. Applicants who hold a baccalaureate from Cal State L.A. and have not attended another college since graduation must also file a departmental application early in the quarter preceding graduate enrollment. No transcripts are required.

Upon admission to the program, students must designate either a literature or linguistics emphasis.

In addition to University requirements for admission to graduate study, applicants must have a Bachelor of Arts degree in Spanish or equivalent, including SPAN 401, a minimum 2.75 grade point average in the last 90 quarter units, and a B (3.0) grade point average in Upper Division Spanish courses. Applicants are required to demonstrate proficiency in oral and written Spanish in accordance with criteria established by the department.

#### Requirements for the Degree (48 units)

A total of 48 units is required, with at least 32 in 500-level courses.

##### Required Courses (32 units)

- SPAN 500 - Academic Writing in Spanish (4)
- SPAN 501 - Development of Spanish Language (4)
- SPAN 504 - Studies in Medieval Literature (4)
- SPAN 507 - Literary Theory (4)
- SPAN 510 - Sociolinguistic Patterns in Spanish (4)
- SPAN 540 - Seminar: Spanish Poetry from Romanticism to the Present (4)
- SPAN 545 - Seminar: Contemporary Spanish-American Poetry After Ruben Dario (4)
- SPAN 583 - Seminar: Contemporary Hispanic Prose (4)

##### Electives

Select 16 units from the following:

- SPAN 402 - Spanish in the United States (4)
- SPAN 414 - Don Quixote de la Mancha (4)
- SPAN 417 - Spanish-American Short Story (4)
- SPAN 418 - Golden Age Poetry and Prose (4)
- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 424 - Golden Age Drama of Spain (4)
- SPAN 426 - Nineteenth Century Spanish Novel (4)
- SPAN 428 - The Generation of 1898 (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)
- SPAN 431 - Spanish-American Testimony (4)
- SPAN 435 - Ruben Dario and Modernismo (4)
- SPAN 440 - Hispanic Film (4)
- SPAN 460 - Proseminar: Advanced Placement Hispanic Authors (4)
- SPAN 461 - Proseminar in Hispanic Linguistics (4)
- SPAN 472 - 20th and 21st Century Spanish Prose (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)
- SPAN 499 - Undergraduate Directed Study (1-4)
- SPAN 575 - Seminar: Hispanic Literature (4)
- SPAN 583 - Seminar: Contemporary Hispanic Prose (4)
- SPAN 598 - Graduate Directed Study (1-4)

##### Note:

In extraordinary circumstances and with graduate adviser approval, students may select up to 8 units of electives from one or more related

fields.

## Comprehensive Examination (0 units)

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Students should expect to take the comprehensive examination (SPAN 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

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## Modern Languages and Literatures Credential Program

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When designated courses are completed as part of the Bachelor of Arts degree programs in French, Japanese, and Spanish, these programs are approved by the California Commission on Teacher Credentialing to satisfy the requirements for subject area competency in those languages.

Cal State L.A. students who completed their baccalaureate in a modern language at another college or university and who wish to satisfy the requirements of an approved subject area program in that language should contact the Department of Modern Languages and Literatures for information.

Students who have passed the examination(s) approved by the California Commission on Teacher Credentialing to satisfy the requirements for subject area competency in lieu of completion of a program approved to satisfy competency requirements in a specific language should contact the Charter College of Education for more information.

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## Department of Music, Theatre, and Dance

### DEPARTMENT OFFICE

Music 127

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### The Faculty

**Professors:** Jeffrey W. Benedict, David N. Connors (Acting Chair), Paul De Castro, George DeGraffenreid, José Cruz Gonzalez, James A. Hatfield, Grace Shizuko Herrera, John M. Kennedy, Theresa Larkin, Hae Kyung Lee, Susan Mason, Stephen Rothman.

**Associate Professors:** James Ford, Sara Graef, Paul Stuart Graham, Meredith Greenburg, Susan W. Kane, Tanya Kane-Parry, Beverly Stein.

**Assistant Professors:** Ross Levinson, Anne McMills, Seónagh Odhiambo, Steve Wight.

**Emeriti:** Francis H. Baxter, William Belan, Millie Burnett, Pamela Dunne, Lu Elrod, Robert M. Fowells, Lawrence P. Goodman, Louis A. Hansen, Deborah Holland, Byong-Kon Kim, Ellen King Kravitz, JoAn D. Kunselman, Nancy E. Kupka, Vernon F. Leidig, Thomas Miyake, Milton Stern, Vito G. Susca, Olga Termini, Maurine Timmerman, Patti W. Schliestett Wiggins.

The Department of Music, Theatre, and Dance offers both liberal arts and professional degree programs leading to the Bachelor of Music, Bachelor of Arts degree in Music, Bachelor of Arts degree in Theatre Arts and Dance, Master of Music, Master of Arts degree in Music, and Master of Arts degree in Theatre. The department offers jointly with the Department of Television, Film, & Media Studies the graduate program leading to the Master of Fine Arts degree in Television, Film, and Theatre. Undergraduate students pursuing degrees in other fields may also declare music as a minor and theatre arts and dance as a minor. All students at Cal State L.A. may choose from an array of music, theatre, and dance courses to enrich their general education and cultural life experiences while enrolled at the university.

The Department of Music, Theatre, and Dance provides many opportunities for creative performance activities, both for music, theatre, and dance majors and for students with careers in other disciplines who also wish to pursue personal development in the performing arts.

## MUSIC

Undergraduate degree programs in Music provide students with a broad foundation in music theory and history that is grounded in perspectives of culture, place and era. Competence in artistic performance is strongly valued and is contextualized to the area of emphasis that each student pursues.

Undergraduate degree programs also emphasize preparation for successful graduate study for students who wish to pursue higher education beyond the baccalaureate degree.

There are two types of undergraduate degree programs offered at Cal State LA.; The Bachelor of Arts degree program and the Bachelor of Music degree program.

The Bachelor of Arts degree serves the needs of students whose primary interests are music theory, history and literature, or those who wish to pursue a liberal arts education with an emphasis in music the degree also allows students to pursue individual interests in music to prepare them for careers in music or music-related careers.

The Bachelor of Music degree is a rigorous curriculum for students who wish to prepare for a specific professional career in music or for those who wish to reach a professional caliber of music attainment within the bachelor of music degree program, students may pursue specialized study in vocal, instrumental, or keyboard performance; composition; jazz studies; and music education (credential preparation).

Students who wish to enroll as an undergraduate music major are required to perform an audition before a faculty panel upon entrance students may audition in voice, piano or on another instrument that is taught in the department of music.

Bachelor of Arts degree students are expected to demonstrate evidence of previous music study sufficient for success in a university music program. Candidates for the Bachelor of Music degree must demonstrate significant technical and artistic accomplishment in at least one area of vocal or instrumental performance before being admitted to this professional degree program. Candidates for the Bachelor of Music major may apply either

before or after enrolling in the Department of Music at California State University, Los Angeles.

To complete a degree in music, students are required to develop their performance ability and to appear in at least one student solo or ensemble recital or concert each year. All music majors must demonstrate progress in the study of their major performing medium (instrument or voice) before a faculty jury at the end of each quarter.

Individual instrumental and vocal applied music lessons are only available to music majors who have passed the performance audition and the music theory placement examinations. Students enrolled in individual voice or instrumental instruction are required to enroll in one unit of appropriate ensemble for each unit (half-hour) of private instruction received participation in an appropriate large ensemble is required of all students enrolled in applied lessons. Participation in performance organizations is required during the quarters in which students are registered for applied music credit. After large performance ensemble performance requirements are met students will fulfill remaining ensemble requirements by selecting from the following MUS courses:

320, 321, 325, 326, 327, 420A, 420B, 421A, 421B, 422, 423A, 423B, 424, 425, 426, 427, 428, 429, 430, 444, 485, or another ensemble on advisement. Ensemble enrollments must be approved by each student's undergraduate adviser in order for them to satisfy these requirements.

The Music Department Handbook contains other policies and regulations, including a concert attendance policy, which pertains to all music majors and minors. It is each student's responsibility to obtain a copy of the handbook and to become familiar with its contents. Failure to comply with policies and regulations outlined in the handbook may affect continued enrollment in the program and/or eligibility for graduation.

Students who demonstrate competence in performance and theory above the minimum requirement may earn advanced standing. Lower division students may register for and earn credit in upper division performance courses.

Music majors are required to attend four (4) music department concerts or recitals per quarter. Students participating in a performance will be credited automatically. Students who enter CSULA as freshmen will be required to complete eight (8) quarters of

MUS 101 Concert/recital Attendance (0). Transfer students will be required to complete four (4) quarters of MUS 101.

## **Piano Proficiency Requirement**

All students have their piano skills evaluated upon entrance to the degree program through a piano placement examination. Students who are identified as needing instruction in piano skills are required to enroll in class piano instruction based on the results of the placement exam (MUS 143A, B, C and/or 243A,B,C). All students are required to demonstrate piano skills by passing a piano proficiency examination, MUS 243D or complete MUS 243C (Class Piano Instruction) with a grade of C or better before being approved for graduation. Music majors who demonstrate adequate piano skills upon entrance to their degree program, may complete the piano proficiency examination and use units from the recommended instruction in class piano (MUS 143A,B,C and 243 A,B,C) as elective units. Bachelor of Arts in Music students may use the elective units for additional coursework in music or another field, with the approval of their music degree adviser. Bachelor of Music students must use the elective units for additional coursework in music, with the approval of their music degree adviser.

## **Programs for this Department**

### **Undergraduate Major**

- Music, B.A.
- Music, BMus
- Theatre Arts and Dance, B.A.

### **Undergraduate Minor**

- Music Minor
- Theatre Arts and Dance Minor

### **Graduate Major**

- Master of Music
  - Music, M.A.
- Television, Film and Theatre, M.F.A.
  - Theatre Arts, M.A.

### **Credential**

- Music Credential Program
  - Theatre Arts and Dance Credential Program
-

## Music, B.A.

The Bachelor of Arts degree is the appropriate choice for those students seeking a broad education in music. The core curriculum stresses theory, history and literature, and performance of music. Remaining study in the degree allows students to choose coursework that will prepare them for careers in music or careers that would benefit from a liberal arts degree with an emphasis in music.

### Requirements for the Major (84 units)

The total number of quarter units required for the Bachelor of Arts degree in Music is 180 units, of which 84 units are in the major. Consult with the appropriate undergraduate adviser for the specific number of units required in each segment of the degree including GE and free electives. A BA Senior Recital (MUS 441) or Senior Project (MUS 487) is required.

Students must receive a grade of C or better for core courses in the degree program for the courses to satisfy music degree requirements for graduation. Students must be enrolled in applied music during the quarter the Senior Recital is performed. Students electing to complete a Senior Project must register for at least 3 units of MUS 487 over a minimum of two quarters, including the quarter during which the final project is submitted. Units earned in MUS 487 may be used to satisfy elective course requirements.

See Undergraduate Studies: General Information for details about the General Education and other requirements which constitute the units outside the major.

### Lower Division Core Courses (31 units)

- MUS 101 - Concert/Recital Attendance (0)
- MUS 161A - Music Theory I (3)
- MUS 161B - Music Theory II (3)
- MUS 161C - Music Theory III (3)
- MUS 162A - Musicianship I (1)
- MUS 162B - Musicianship II (1)
- MUS 162C - Musicianship III (1)
- MUS 169 - Introduction to Music: Music Technology I (2)
- MUS 170 - Introduction to Music: Music Literature (2)
- MUS 243A - Class Piano Instruction IV (1)
- MUS 243B - Class Piano Instruction V (1)
- MUS 243C - Class Piano Instruction VI (1)
- MUS 261A - Music Theory IV (3)
- MUS 261B - Music Theory V (3)
- MUS 261C - Music Theory VI (3)
- MUS 262A - Musicianship IV (1)
- MUS 262B - Musicianship V (1)
- MUS 262C - Musicianship VI (1)

### Upper Division Core Courses (27 units)

- MUS 300 - Career Planning and Writing in Music (3)
- MUS 370 - History of Music in Western Civilization I (4)
- MUS 371 - History of Music in Western Civilization II (4)
- MUS 372 - History of Music in Western Civilization III (4)
- MUS 380 - Beginning Conducting (3)
- MUS 402 - World Musics (3)

Select 6 units from the following repeatable ensemble courses.

- MUS 320 - Symphonic Band (1)
- MUS 321 - Orchestral Performance and Practice (1)
- MUS 326 - Concert Choir (1)
- MUS 327 - University Chorus (1)
- MUS 425 - Chamber Singers (1)

### Applied Music (6 units)

Select from the following (6 units):

The units in applied music are lower or upper division depending upon audition results. It is expected that students will reach the 400 level of



study prior to the senior recital.

- MUS 115A - Strings (1)
- MUS 215A - Strings (1)
- MUS 315A - Strings (1)
- MUS 415A - Strings (1)
- Repeat for up to 6 units
- MUS 116A - Woodwinds (1)
- MUS 216A - Woodwinds (1)
- MUS 316A - Woodwinds (1)
- MUS 416A - Woodwinds (1)
- Repeat for up to 6 units
- MUS 117A - Brass (1)
- MUS 217A - Brass (1)
- MUS 317A - Brass (1)
- MUS 417A - Brass (1)
- Repeat for up to 6 units
- MUS 118A - Percussion (1)
- MUS 218A - Percussion (1)
- MUS 318A - Percussion (1)
- MUS 418A - Percussion (1)
- Repeat for up to 6 units
- MUS 135A - Voice (1)
- MUS 235A - Voice (1)
- MUS 335A - Voice (1)
- MUS 435A - Voice (1)
- Repeat for up to 6 units
- MUS 145A - Piano (1)
- MUS 245A - Piano (1)
- MUS 345A - Piano (1)
- MUS 445A - Piano (1)
- Repeat for up to 6 units
- MUS 146A - Organ (1)
- MUS 246A - Organ (1)
- MUS 346A - Organ (1)
- MUS 446A - Organ (1)
- Repeat for up to 6 units

### **Piano Proficiency Requirement**

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All students are required to pass a piano proficiency examination, MUS 243D, or complete MUS 243C (Class Piano Instruction), before being approved for graduation. Those who are deficient in this area should take appropriate additional course work as recommended by their adviser.

### **Electives in Music or Another Discipline (20 units)**

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Select courses with adviser approval.

## Music, BMus

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The Bachelor of Music degree curriculum provides professional preparation for students seeking careers in music education, performance, composition or jazz studies. Students desiring entrance into this degree program should review the specific entrance procedures for each degree option listed below. Students accepted into a degree program are assigned a faculty adviser to assist in planning course work. Each option within this degree has been carefully structured to provide an education that encompasses the artistic and functional needs of the aspiring music professional. Within each of the degree options are opportunities for study to meet individual needs.

In the core music program, lower division courses emphasize music theory, literature and applied studies, while upper division courses explore advanced concepts in theory, music history, performance and specific career preparation in the chosen degree option. The Music Education option is offered for those who wish to pursue the California Single Subject Credential in Music. All degree options except Music Education include the required performance of a junior recital. All Bachelor of Music degree options include the required performance of a senior recital and required participation in performing ensembles concurrent with applied music instruction.

The total number of units required for the Bachelor of Music degree in Music is 189 quarter units, of which 106-108 units are in the major depending on the option selected. Consult with the appropriate undergraduate adviser for specific units required in each of the degree segments, including GE and free electives.

### Program Entrance Requirements

#### ***Option I - Composition***

Students are only admitted to the Composition degree option when they demonstrate significant professional promise as a composer. All students desiring entrance into the Composition option must submit a portfolio of compositions for consideration by the theory/composition area faculty. This must occur prior to enrolling in upper division music courses.

#### ***Option II - Jazz Studies***

Each student seeking entrance into the Jazz Studies option must gain acceptance into the program through audition by faculty in both jazz studies and the student's major instrument or voice in the applied music area of study.

#### ***Option III - Vocal Performance***

#### ***Option IV - Instrumental Performance***

#### ***Option V - Keyboard Performance***

All students desiring entrance into the Performance options must be accepted by audition before the appropriate area faculty. This normally occurs prior to commencing music studies at the University, but may occur at any time prior to enrollment in upper division music courses.

#### ***Option VI - Music Education***

All students seeking entrance into the Music Education program must submit two letters of recommendation in addition to their acceptance by audition into an applied music studio.

#### ***Option VII – Commercial Music***

All students seeking entrance into the Commercial Music program must present audio and written examples of songs and/or compositions and/or arrangements that demonstrate their abilities in commercial music for consideration to the commercial music faculty.

Three tracks are offered in this option:

Track I: Performance;

Track II: Composition and arranging, and

### Track III. Music Technology

Audition portfolios should address one or more of these tracks.

## Requirements for the Major (106-108 units)

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Depending on the option selected, a total of 189 are required for the degree of which 106 - 108 are in the major: 58 units in the required core program and 48 - 50 units in one of the six options. See Undergraduate Studies: General Information for details about the General Education and other requirements that constitute the units outside the major. For Options I - V a 30-minute junior recital and a 50-minute senior recital are required for graduation. For Option VI a 50 minute senior recital is required for graduation.

Students must receive a grade of C or better for all required music courses in the degree program for those courses to satisfy music degree requirements for graduation. Students must be enrolled in Applied Music during the quarter the senior recital is performed.

## Core Program (58 units)

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All students complete a required core program of 58 units in Music.

### Required Courses (58 units)

- MUS 101 - Concert/Recital Attendance (0)
- MUS 161A - Music Theory I (3)
- MUS 161B - Music Theory II (3)
- MUS 161C - Music Theory III (3)
- MUS 162A - Musicianship I (1)
- MUS 162B - Musicianship II (1)
- MUS 162C - Musicianship III (1)
- MUS 169 - Introduction to Music: Music Technology I (2)
- MUS 170 - Introduction to Music: Music Literature (2)
- MUS 243A - Class Piano Instruction IV (1)
- MUS 243B - Class Piano Instruction V (1)
- MUS 243C - Class Piano Instruction VI (1)
- MUS 261A - Music Theory IV (3)
- MUS 261B - Music Theory V (3)
- MUS 261C - Music Theory VI (3)
- MUS 262A - Musicianship IV (1)
- MUS 262B - Musicianship V (1)
- MUS 262C - Musicianship VI (1)
- MUS 300 - Career Planning and Writing in Music (3)
- MUS 370 - History of Music in Western Civilization I (4)
- MUS 371 - History of Music in Western Civilization II (4)
- MUS 372 - History of Music in Western Civilization III (4)
- MUS 380 - Beginning Conducting (3)
- MUS 402 - World Musics (3)

### Applied Music

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All students are required to take a piano proficiency examination, MUS 243D, and pass it, (Class Piano Instruction), before being approved for graduation. Those who are deficient in this area should take appropriate additional course work as recommended by their adviser.

Select one area of specialization (6 units)

- MUS 115B - Strings (2) (repeat either course for 6 units total)
- MUS 215B - Strings (2)
  
- MUS 116B - Woodwinds (2) (repeat either course for 6 units total)
- MUS 216B - Woodwinds (2)
  
- MUS 117B - Brass (2) (repeat either course for 6 units total)
- MUS 217B - Brass (2)
  
- MUS 118B - Percussion (2) (repeat either course for 6 units total)
- MUS 218B - Percussion (2)
  
- MUS 135B - Voice (2) (repeat either course for 6 units total)
- MUS 235B - Voice (2)
  
- MUS 145B - Piano (2) (repeat either course for 6 units total)
- MUS 245B - Piano (2)
  
- MUS 146B - Organ (2) (repeat either course for 6 units total)
- MUS 246B - Organ (2)

### Note:

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*Note: Students in the BM Commercial Music option, may substitute MUS 119, 219 Commercial Music (2 2)*

## Options

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- Composition
- Jazz Studies
- Vocal Performance
- Instrumental Performance
- Keyboard Performance
- Music Education
- Commercial Music

### Option I: Composition (50 units)

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A total of 50 units is required in this option, which prepares students in the field of composition.

#### Required Courses (41 units)

- MUS 263 - Introduction to Composition (2) (repeat for 4 units)
- MUS 362 - Orchestration and Arranging (4)
- MUS 432 - Computer Notation (2)
- MUS 460 - Composition (3) (repeat for 9 units)
- MUS 462 - Advanced Orchestration and Arranging (3)
- MUS 463 - Counterpoint (3)
- MUS 464 - Musical Form (3)
- MUS 465 - Contemporary Techniques (4)
- MUS 467 - Music Composition for Television and Films (3)
- MUS 469 - Music Technology III (3)
- MUS 488 - Music Technology IV (3)

#### Ensemble Performance (3 units)

Select from the following:

- MUS 320 - Symphonic Band (1)
- MUS 321 - Orchestral Performance and Practice (1)
- MUS 326 - Concert Choir (1)
- MUS 327 - University Chorus (1)
- MUS 425 - Chamber Singers (1)

#### Recital Requirement

- MUS 340 - BM Junior Recital (0) units
- MUS 440 - BM Senior Recital (0) units

#### Electives (6 units)

Select upper division music courses with adviser approval.

### Option II: Jazz Studies (50 units)

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A total of 50 units is required in this option, which prepares students in jazz performance production, composition, recording, and conducting. Students must successfully complete a BM Junior Recital (MUS 340) and a BM Senior Recital (MUS 440).

There are two tracks in the Jazz Studies option: Performance and Arranging/Composition.

#### Required Courses for Both Tracks (26 units)

- MUS 424 - Jazz Ensemble (1) (repeat for 3 units)
- MUS 366 - Jazz and Commercial Harmony (3)
- MUS 368A - Jazz Improvisation (2)
- MUS 368B - Jazz Improvisation (2)
- MUS 452 - History of Jazz (4)
- MUS 466A - Jazz Arranging: Beginning (3)
- MUS 466B - Jazz Arranging: Advanced (3)
- MUS 468 - Jazz Pedagogy (3)
- MUS 483 - Analysis of Jazz Styles and Literature (3)

#### Performance Specialty (12 units)

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Select one area of a performance specialty

- MUS 315B - Strings (2) (repeat both courses for 12 units total)
- MUS 415B - Strings (2)
- MUS 316B - Woodwinds (2) (repeat both courses for 12 units total)
- MUS 416B - Woodwinds (2)
- MUS 317B - Brass (2) (repeat both courses for 12 units total)
- MUS 417B - Brass (2)

- MUS 318B - Percussion (2) (repeat both courses for 12 units total)
- MUS 418B - Percussion (2)
- MUS 335B - Voice (2) (repeat both courses for 12 units total)
- MUS 435B - Voice (2)
- MUS 345B - Piano (2) (repeat both courses for 12 units total)
- MUS 445B - Piano (2)

**Track I: Performance (12 units)**

Required Courses (6 units)

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- MUS 427 - Afro-Latin Ensemble (1) (repeat for 6 units)
- or
- MUS 429 - Jazz Ensemble: Small (1) (repeat for 6 units)

Electives (6 units)

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Select from upper division music courses with adviser approval.

**Track II: Arranging/Composition (12 units)**

Required Courses (9 units)

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- MUS 427 - Afro-Latin Ensemble (1) (repeat for 6 units)
- or
- MUS 429 - Jazz Ensemble: Small (1) (repeat for 6 units)
- and
- MUS 469 - Music Technology III (3)

Electives (3 units)

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Select from upper division music courses with adviser approval.

**Option III: Vocal Performance (48-50 units)**

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A total of 48-50 units is required in this option which prepares students to perform art songs in the style and manner of the period in which they were written, to demonstrate awareness of poetic song content by translation from at least three foreign languages, and to prepare repertoire and recital programs. Prior to graduation, students prepare and successfully perform a 30-minute BM Junior Recital (

MUS 340 ) and a 50-minute BM Senior recital (MUS 340 ) of repertoire from at least three of the following historical periods: Renaissance, Baroque, Classic, Romantic, and Contemporary.

**Required Core Courses (23 units)**

*\*MUS 426 is repeatable with limitations; see course description.*

- MUS 330 - Principles of Applied Vocal Development (3)
- MUS 406 - Comparative Vocal Techniques (3)
- \* MUS 426 - Opera Repertory, Performance, and Production (1) (repeat for 3 units)
- MUS 434 - Introduction to Phonetics for Musicians (2)

Select two (2) courses from the following:

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- MUS 436F - French Diction for Singers (2)
- MUS 436G - German Diction for Singers (2)
- MUS 436I - Italian Diction for Singers (2)
- MUS 436S - Spanish and English Diction for Singers (2)

**Foreign Languages (8 units)**

Four (4) units may be taken in the General Education program.

- FREN 100A - Elementary French (4)
- and
- FREN 100B - Elementary French (4)
- or
- GERM 100A - Elementary German (4)
- or
- ITAL 100A - Elementary Italian (4)

**Applied Music (12 units)**

*\*See course descriptions for limitations on repeatability.*

- \* MUS 335B - Voice (2) (repeat for 6 units)
- MUS 435B - Voice (2) (repeat for 6 units)

### Performance Organizations (3 units)

\*See course descriptions for limitations on repeatability.

Select from the following with adviser's approval:

- \* MUS 326 - Concert Choir (1)
- \* MUS 327 - University Chorus (1)
- \* MUS 425 - Chamber Singers (1)

### Theory/Jazz Studies (3-5 units)

Select from the following courses with adviser's approval:

- MUS 362 - Orchestration and Arranging (4)
- MUS 368A - Jazz Improvisation (2)
- MUS 463 - Counterpoint (3)
- MUS 464 - Musical Form (3)
- MUS 466A - Jazz Arranging: Beginning (3)

### Musicology (4 units)

Select one

- MUS 470 - History and Literature of Opera (4)
- MUS 472 - History and Literature of Vocal Solo Music (4)

### Electives (3 units)

Select from upper division music courses with adviser approval.

## Option IV: Instrumental Performance (50 units)

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A total of 50 units is required in this option, which prepares students for performance in small ensembles and in band or orchestra. Students study the preparation of repertoire and recital programs. Prior to graduation, students prepare and successfully perform a 30-minute BM Junior Recital (MUS 340) and a 50-minute BM Senior recital (MUS 440) of repertoire from the Renaissance, Baroque, Classic, Romantic, and Contemporary periods.

### Conducting and Musicology (11 units)

Select two of the following three courses (8 units)

- MUS 473 - History and Literature of Symphonic Music (4)
- MUS 474 - History and Literature of Chamber Music (4)
- MUS 477 - History and Literature of Wind Band in U.S. (4)

Required (3 units)

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- MUS 481 - Instrumental Conducting (3)

### Performance Area (39 units)

Select courses from each area below with adviser's approval, appropriate to instrument of specialization, for the numbered units specified in each area and for a total of 39 units. These courses are repeatable within limits specified in course descriptions.

Instrumental Course (2 units)

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- MUS 411 - Performance Repertoire (1) (1)

Performing Organizations (6 units)

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- MUS 320 - Symphonic Band (1) (repeat both courses for 6 units total)
- MUS 321 - Orchestral Performance and Practice (1)

Ensemble Courses (11 units)

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- MUS 420A - String Ensemble: Orchestral Instruments (1)
- MUS 421A - Woodwind Ensemble: For mixed woodwind instruments (for example, flute; oboe; clarinet and bassoon; and flute trios). (1)
- MUS 421B - Woodwind Ensemble: For clarinet choir, clarinet, and saxophone trios. (1)
- MUS 422 - Brass Ensemble (1)
- MUS 423A - Percussion Ensemble: Orchestral Percussion (1)
- MUS 424 - Jazz Ensemble (1)
- MUS 485 - Chamber Music (1)

## Applied Music (12 units)

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Select area of specialization:

- MUS 315B - Strings (2) (repeat both courses for 12 units total)
- MUS 415B - Strings (2)
  
- MUS 316B - Woodwinds (2) (repeat both courses for 12 units total)
- MUS 416B - Woodwinds (2)
  
- MUS 317B - Brass (2) (repeat both courses for 12 units total)
- MUS 417B - Brass (2)
  
- MUS 318B - Percussion (2) (repeat both courses for 12 units total)
- MUS 418B - Percussion (2)

### Electives (8 units)

Select from upper division music courses with adviser approval.

## Option V: Keyboard Performance (50 units)

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A total of 50 units are required in this option which emphasizes high standards in performance of solo and ensemble literature. Performance requirements include a BM Junior Recital (MUS 340) and a BM Senior Recital (MUS 440).

### Required Courses (28 units)

- MUS 146A - Organ (1)  
or
- MUS 146B - Organ (2)  
or
- MUS 246A - Organ (1)  
or
- MUS 246B - Organ (2)
  
- MUS 405A - Approaches to Piano Teaching. (3)
- MUS 405B - Materials for Beginning/Intermediate Piano Students (3)
- MUS 463 - Counterpoint (3)
- MUS 464 - Musical Form (3)
- MUS 465 - Contemporary Techniques (4)
- MUS 475 - History and Literature of Keyboard Music (4)
- MUS 485 - Chamber Music (1) (repeat for 6 units)

### Applied Music (12 units)

- MUS 345B - Piano (2) (repeat for 6 units)
- MUS 445B - Piano (2) (repeat for 6 units)

### Ensemble (6 units)

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- MUS 325 - Accompanying Ensemble (1) (repeat for 3 units)

and

### Select 3 units for the following with adviser approval:

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- MUS 320 - Symphonic Band (1)
- MUS 321 - Orchestral Performance and Practice (1)
- MUS 326 - Concert Choir (1)
- MUS 327 - University Chorus (1)
- MUS 425 - Chamber Singers (1)

### Electives (4 units)

Select from upper division music courses with adviser approval.

## Option VI: Music Education (50 units)

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A total of 50 units is required in this option which prepares students for careers in Vocal/Choral or Instrumental teaching. Prior to graduation, students prepare and successfully perform a 50-minute Senior Recital (MUS 440).

### Required Courses for Both Tracks (27 units)

- MUS 191 - Introduction to Music In Schools (2)
- MUS 330 - Principles of Applied Vocal Development (3)
- MUS 362 - Orchestration and Arranging (4)
- MUS 401 - Elementary General Music Techniques (3)
- MUS 489 - Instructional Technology for the Music Educator (3)

## Applied Music (12 units)

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Select one area of a performance specialty:

- MUS 315B - Strings (2) (repeat both courses for 12 units total)
- MUS 415B - Strings (2)
  
- MUS 316B - Woodwinds (2) (repeat both courses for 12 units total)
- MUS 416B - Woodwinds (2)
  
- MUS 317B - Brass (2) (repeat both courses for 12 units total)
- MUS 417B - Brass (2)
  
- MUS 318B - Percussion (2) (repeat both courses for 12 units total)
- MUS 418B - Percussion (2)
  
- MUS 335B - Voice (2) (repeat both courses for 12 units total)
- MUS 435B - Voice (2)
  
- MUS 345B - Piano (2) (repeat both courses for 12 units total)
- MUS 445B - Piano (2)
  
- MUS 346B - Organ (2) (repeat both courses for 12 units total)

### Track 1: Vocal/Choral Teaching (23 units)

#### Required Courses

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- MUS 312A - Strings (2)
- MUS 312C - Woodwinds (2)
- MUS 312E - Brass (2)
  
- MUS 326 - Concert Choir (1)
- **or**
- MUS 327 - University Chorus (1)
  
- MUS 405A - Approaches to Piano Teaching. (3)
- MUS 406 - Comparative Vocal Techniques (3)
- MUS 461 - Choral Arranging (3)
- MUS 480 - Choral Conducting (3)

### Track 2: Instrumental Teaching (23 units)

#### Required Courses

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- MUS 312A - Strings (2)
- MUS 312C - Woodwinds (2)
- MUS 312E - Brass (2)
- MUS 407 - Instrumental Techniques I (3)
- MUS 468 - Jazz Pedagogy (3)
- MUS 481 - Instrumental Conducting (3)

#### Electives

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4 Units of music electives with adviser approval.

### Additional Requirements for the Single Subject Credential (7 units)

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In addition to the Bachelor of Music degree program in Music Education (Option VI), the following courses are required for the credential, are prerequisite to directed teaching in music, and they may be taken either for elective credit, for the degree outside the major, or in postbaccalaureate standing. Refer to the Charter College of Education section in the Academic Programs: College-Based and University-Wide chapter of this catalog for regulations governing all teaching credential programs.

#### Required Courses (7 units)

- MUS 408 - Choral Techniques (3)
- **or**
- MUS 409 - Instrumental Techniques II (3)
  
- MUS 480 - Choral Conducting (3)
- **or**
- MUS 481 - Instrumental Conducting (3)
  
- MUS 496 - Demonstration of Competencies in Music Education (1)

### Option VII: Commercial Music (49 units)

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A total of 49 units is required in this option, which prepares students in Commercial Music performance, composition and arranging,



songwriting, and recording and music technology. Students must successfully complete a BM junior recital/project and a BM senior recital/project.

**There are three tracks in this option:**

Performance, Composition and Arranging, and Music Technology.

**Required courses for all tracks (35 units)**

- MUS 340 - BM Junior Recital (0) units
- MUS 352 - History of Popular Music (4)
- MUS 362 - Orchestration and Arranging (4)
- MUS 366 - Jazz and Commercial Harmony (3)
- MUS 367A - Jazz, Rock, and Popular Piano Techniques (1)
- MUS 367B - Jazz, Rock, and Popular Piano Techniques (1)
- MUS 367C - Jazz, Rock, and Popular Piano Techniques (1)
- MUS 369 - Music Technology II (2 Units)
- MUS 384 - Introduction to Commercial Songwriting (2)
- MUS 385 - Introduction to Film Scoring (2)
- MUS 386 - Introduction to Recording (2)
- MUS 387 - Lead Sheet and Chart Writing for Commercial Music (3)
- MUS 388 - Introduction to the Business of Music (2)
- MUS 432 - Computer Notation (2)
- MUS 440 - BM Senior Recital (0) units
- MUS 469 - Music Technology III (3)
- MUS 481 - Instrumental Conducting (3)

**Track I: Performance**

Required Courses (14 units)

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**Select one area of specialization (12 units)**

- MUS 315B - Strings (2), MUS 415B - Strings (2) (may be repeated for up to 12 units)
- MUS 316B - Woodwinds (2), MUS 416B - Woodwinds (2) (may be repeated for up to 12 units)
- MUS 317B - Brass (2), MUS 417B - Brass (2) (may be repeated for up to 12 units)
- MUS 318B - Percussion (2), MUS 418B - Percussion (2) (may be repeated for up to 12 units)
- MUS 335B - Voice (2), MUS 435B - Voice (2) (may be repeated for up to 12 units)
- MUS 345B - Piano (2), MUS 445B - Piano (2) (may be repeated for up to 12 units)
- MUS 390 - Performance Techniques for the Recording Studio (2)

**Track II: Composition and Arranging**

Required courses (14 units)

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- MUS 462 - Advanced Orchestration and Arranging (3)
- MUS 466A - Jazz Arranging: Beginning (3)
- MUS 467 - Music Composition for Television and Films (3)
- MUS 484 - Commercial Songwriting (3)
- MUS 499 - Undergraduate Directed Study (1–4) (2 units)

**Track III: Music Technology**

Required courses (14 units)

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- MUS 390 - Performance Techniques for the Recording Studio (2)
- MUS 448 - Live Concert Recording (4)
- MUS 486 - Recording Techniques (2)
- MUS 486B - Advanced Recording Techniques (4)
- MUS 499 - Undergraduate Directed Study (1–4) (2 units)

## Theatre Arts and Dance, B.A.

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The Bachelor of Arts degree in Theatre Arts and Dance is designed for students who plan to engage in careers that utilize skills in theatre and dance.

Department policy requires that all undergraduate Theatre Arts and Dance majors make themselves available for participation in scheduled department productions.

The total number of units required for the Bachelor of Arts degree in Theater Arts and Dance, is 180 units, of which 99 are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (99 units)

The major requires a total of 99 units, including core and option requirements. The core of 40 units includes courses in theatre arts, dance, and combined theatre and dance. Each option (Theatre Arts or Dance) includes 59 units in required courses and electives.

#### Core Requirements (40 units)

##### Lower Division Required Courses (22 units)

- DANC 100A - Beginning Ballet (3)
- DANC 140A - Beginning Modern Dance (3)
- DANC 272 - Choreography I: Improvisation (3)
- TA 141 - Acting Fundamentals: Games and Exercises (3)
- TAD 101 - Introduction to Theatre Arts and Dance (1)
- TAD 132 - Stagecraft II (3)
- TAD 133 - Stagecraft III (3)
- TAD 149 - Breath, Movement, Voice I (3)

##### Upper Division Required Courses (18 units)

- TAD 339 - Stage Management (3)
- TAD 390 - Performance Research and Writing (4)
- TAD 467 - Theory and Method in Performance Studies (4)
- TAD 468 - Performance and Social Change (4)

##### Performance Practicum in the Community

Select 3 units from:

- DANC 483 - University Dance Ensemble Tour (3)
- DANC 484 - Educational Dance Tour (3)
- TA 402 - Children's Theatre Tour (3)
- TAD 486 - Cross Cultural Approaches to Social Performance (3)

### Options

Select one of the following options, with adviser approval.

- Theatre Arts Option
- Dance Option

#### Theatre Arts Option (59 units)

##### Lower Division Required Courses (13 units)

- TA 142 - Acting Fundamentals: Character Study (3)
- TA 143 - Acting Fundamentals: Scene Study (3)
- TA 276 - Introduction to Play Writing (4)
- TAD 131 - Stagecraft I (3)

##### Upper Division Required Courses (35 units)

- TA 301 - Creative Dramatics (4)
- TA 311 - Development of World Theatre I (4)
- TA 312 - Development of World Theatre II (4)
- TA 313 - Development of World Theatre III (4)

- TA 322 - Theatrical Makeup (3)
- TAD 348 - Breath, Movement, Voice II (3)
- TAD 439 - Arts Management (4)
- TA 445 - Principles of Directing I (3)
- TA 446 - Principles of Directing II (3)

Select one from:

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- TA 426 - Introduction to Stage Costuming (3)
- TA 431 - Introduction to Stage Scenery (3)
- TA 434 - Introduction to Stage Lighting (3)

### Electives (11 units)

Select 11 units with adviser approval:

- TA 300 - Production Support (1–2)
- TA 306 - Children's Theatre (4)
- TA 310 - Play Performance (2)
- TA 341 - Advanced Performance I: Classical Acting (3)
- TA 342 - Advanced Performance II: Scene Study (3)
- TA 343 - Advanced Performance III: Acting Collaboration (3)
- TA 400 - Creative Drama for the Elementary Classroom (3)
- TA 401 - Advanced Creative Dramatics (4)
- TA 422 - Advanced Theatrical Makeup (3)
- TA 426 - Introduction to Stage Costuming (3)
- TA 427 - Stage Costume Design (3)
- TA 431 - Introduction to Stage Scenery (3)
- TA 432 - Stage Scenery Design (3)
- TA 434 - Introduction to Stage Lighting (3)
- TA 435 - Stage Lighting Design (3)
- TA 450 - Principles of Directing III (3)
- TA 454L - Selected Topics in Theatre Arts (1–4)
- TA 454P - Selected Topics in Theatre Arts (1–4)
- TA 460 - Studies in Selected Dramatists (1–4)
- TA 461 - Nature of Dramatic Comedy (4)
- TA 462 - Nature of Dramatic Tragedy (4)
- TA 463 - Shakespeare as Living Theatre (4)
- TA 464 - Contemporary U.S. Theatre (4)
- TA 471 - Theatre of the Avant-Garde (4)
- TA 475 - Dramaturgy (4)
- TA 476 - Play Writing (4)
- TA 478 - Therapeutic and Educational Uses of Drama (4)
- TA 479 - Life Scripts (4)
- TA 480 - Cinema as a Dramatic Art (4)
- TA 485 - Children's Film (4)
- TA 489 - Advanced Creative Workshop (2)
- TAD 349 - Breath, Movement, Voice III (3)

### Dance Option (59 units)

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#### Lower Division Required Courses (18 units)

- DANC 100B - Beginning Ballet (3)
- DANC 140B - Beginning Modern Dance (3)
- DANC 140C - Beginning Modern Dance (3)
- DANC 240A - Intermediate Modern Dance (3)
- DANC 240B - Intermediate Modern Dance (3)
- DANC 240C - Intermediate Modern Dance (3)

#### Upper Division Required Courses (27 units)

- DANC 340 - Advanced Modern Dance (2)
- DANC 372 - Choreography II: Dance Composition (3)
- DANC 470 - Theory and Analysis of Dance (3)
- DANC 471 - Rhythmic Form and Analysis for Dance (3)
- DANC 472 - Choreography III: Advanced Dance Composition (3)
- DANC 475 - Choreographic Accompaniment (3)
- DANC 476A - Dance History - Antiquity Through Nineteenth Century (4)
- DANC 476B - Dance History - Twentieth and Twenty-First Century (4)
- DANC 480 - University Dance Ensemble (2)

#### Electives in Dance (14 units)

(Select 14 units with adviser approval)

- DANC 100C - Beginning Ballet (3)
- DANC 120A - Beginning Jazz Dance (3)
- DANC 120B - Beginning Jazz Dance (3)
- DANC 120C - Beginning Jazz Dance (3)
- DANC 160 - Beginning Tap Dance (2)
- DANC 200A - Intermediate Ballet (3)
- DANC 200B - Intermediate Ballet (3)
- DANC 200C - Intermediate Ballet (3)

- DANC 220A - Intermediate Jazz Dance (3)
- DANC 220B - Intermediate Jazz Dance (3)
- DANC 220C - Intermediate Jazz Dance (3)
- DANC 240A - Intermediate Modern Dance (3)
- DANC 240B - Intermediate Modern Dance (3)
- DANC 240C - Intermediate Modern Dance (3)
- DANC 260 - Intermediate Tap Dance (2)
- DANC 272 - Choreography I: Improvisation (3)
- DANC 300 - Advanced Ballet (2)
- DANC 320 - Advanced Jazz Dance (2)
- DANC 340 - Advanced Modern Dance (2)
- DANC 372 - Choreography II: Dance Composition (3)
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- DANC 401 - Dance Techniques and Creativity in Elementary Education (4)
- DANC 435A - Dance Movement and Identity (4)
- DANC 435B - Dance Movement and Identity (4)
- DANC 435C - Dance Movement and Identity (4)
- DANC 454L - Special Topics in Dance (1–3)
- DANC 454P - Special Topics in Dance (1–3)
- DANC 461 - Ethnic Dance (4)
- DANC 472 - Choreography III: Advanced Dance Composition (3)
- DANC 477 - Multicultural Approaches to Dance (4)
- DANC 478 - Choreography for Camera (3)
- DANC 480 - University Dance Ensemble (2)
- DANC 483 - University Dance Ensemble Tour (3)
- DANC 484 - Educational Dance Tour (3)
- DANC 485 - Dance Production for the 21st Century (3)
- TA 300 - Production Support (1–2)
- TA 322 - Theatrical Makeup (3)
- TAD 131 - Stagecraft I (3)
- TAD 348 - Breath, Movement, Voice II (3)
- TAD 349 - Breath, Movement, Voice III (3)
- TAD 439 - Arts Management (4)

## Music Minor

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A minor in music is available for students majoring in other fields. A minimum of 42 units is required. Students must be enrolled in or have completed MUS 161C, MUS 161B, & MUS 161A and MUS 162B, MUS 162A, & MUS 162C in order to enroll in applied lessons or ensembles.

### Requirements for the Minor (minimum 42 units)

#### Lower Division Required Courses (19 units):

*\*may be waived for keyboard minors.*

- MUS 161A - Music Theory I (3)
- MUS 161B - Music Theory II (3)
- MUS 161C - Music Theory III (3)
- MUS 162A - Musicianship I (1)
- MUS 162B - Musicianship II (1)
- MUS 162C - Musicianship III (1)
- MUS 169 - Introduction to Music: Music Technology I (2)
- MUS 170 - Introduction to Music: Music Literature (2)
- MUS 243A - Class Piano Instruction IV (1) \*
- MUS 243B - Class Piano Instruction V (1) \*
- MUS 243C - Class Piano Instruction VI (1) \*

#### Upper Division Required Course (14 units)

- MUS 402 - World Musics (3)

#### Select 3 units from following:

- MUS 320 - Symphonic Band (1)
- MUS 321 - Orchestral Performance and Practice (1)
- MUS 326 - Concert Choir (1)
- MUS 327 - University Chorus (1)
- MUS 424 - Jazz Ensemble (1)
- MUS 426 - Opera Repertory, Performance, and Production (1)
- MUS 427 - Afro-Latin Ensemble (1)
- MUS 428 - New Music Ensemble (1)

#### Select 4 units from following:

- MUS 370 - History of Music in Western Civilization I (4)
- MUS 371 - History of Music in Western Civilization II (4)
- MUS 372 - History of Music in Western Civilization III (4)

#### Select 4 units from following:

- MUS 452 - History of Jazz (4)
- MUS 458 - Music of Latin America (4)

#### Applied Music (3-6 units)

- 
- MUS 115A - Strings (1)
  - MUS 215A - Strings (1)
  - MUS 315A - Strings (1)
  - MUS 415A - Strings (1)
- Repeat for up to 6 units

- MUS 116A - Woodwinds (1)
  - MUS 216A - Woodwinds (1)
  - MUS 316A - Woodwinds (1)
  - MUS 416A - Woodwinds (1)
- Repeat for up to 6 units

- MUS 117A - Brass (1)
  - MUS 217A - Brass (1)
  - MUS 317A - Brass (1)
  - MUS 417A - Brass (1)
- Repeat for up to 6 units

- MUS 118A - Percussion (1)
  - MUS 218A - Percussion (1)
  - MUS 318A - Percussion (1)
  - MUS 418A - Percussion (1)
- Repeat for up to 6 units

- MUS 135A - Voice (1)
  - MUS 235A - Voice (1)
  - MUS 335A - Voice (1)
  - MUS 435A - Voice (1)
- Repeat for up to 6 units

- MUS 145A - Piano (1)
  - MUS 245A - Piano (1)
  - MUS 345A - Piano (1)
  - MUS 445A - Piano (1)
- Repeat for up to 6 units

- MUS 146A - Organ (1)
  - MUS 246A - Organ (1)
  - MUS 346A - Organ (1)
  - MUS 446A - Organ (1)
- Repeat for up to 6 units

### **Electives (6 units)**

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Select units in music with adviser approval

## **Additional Requirements for the Single Subject Credential (7 units)**

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In addition to the Bachelor of Music degree program in Music Education (Option VI), the following courses are required for the credential, are prerequisite to directed teaching in music, and they may be taken either for elective credit, for the degree outside the major, or in postbaccalaureate standing. Refer to the Charter College of Education section in the Academic Programs: College-Based and University-Wide section of this catalog for regulations governing all teaching credential programs.

### **Required Courses (7 units)**

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- MUS 408 - Choral Techniques (3)
- **or**
- MUS 409 - Instrumental Techniques II (3)
  
- MUS 480 - Choral Conducting (3)
- **or**
- MUS 481 - Instrumental Conducting (3)

- MUS 496 - Demonstration of Competencies in Music Education (1)

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# Theatre Arts and Dance Minor

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The Theatre Arts and Dance Minor is designed for students interested in expanding their knowledge in using theatre and/or dance as it relates to their performing careers, technical theatre, history/theory, teaching or related fields in the Liberal Arts. The Theatre and Dance curriculum provides a variety of coursework for students preparing for professional performance careers as well as using theatre and/or dance in humanistic, multicultural and/or educational settings. A total of 38 units is required.

## Requirements for the Minor (38 units)

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### Required Courses (11 Units)

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#### Lower Division Required Courses (7 units)

- DANC 140A - Beginning Modern Dance (3)
- TA 141 - Acting Fundamentals: Games and Exercises (3)
- TAD 101 - Introduction to Theatre Arts and Dance (1)

#### Upper Division Required Courses (4 units)

- TAD 468 - Performance and Social Change (4)

### Electives (27 units)

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Select a Program, in consultation with a Department Adviser, to meet the goals for which the Minor is chosen. A minimum of 16 units must be taken in upper division courses.

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## Music, MM

The Master of Music degree program is offered with six options. The Composition option provides students advanced study in acoustic or electronic composition. The Commercial Music option provides students with advanced skills for writing, arranging and performing in the commercial music business. Students may select from two tracks in the Commercial Music option: Performance or Composition and Arranging. The Conducting option provides advanced study in conducting and scholarly research of performance practices. The Performance option is concentrated on the improvement of individual performance skills through the study of pedagogy and the study and performance of appropriate literature. Graduate students in the keyboard performance area of study also have the opportunity to emphasize collaborative music-making within their program of study. The Afro-Latin Music option provides students preparation for a professional career in the performance of Afro-Latin Music and related genres. The Afro-Latin music curriculum includes study in performance practices, rehearsal techniques and the historical-cultural context in which the music is grounded. The music education option provides music educators with the opportunity for advanced study in curriculum and methods with options for certification in Orff-Schulwerk or Kodaly methodology.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a baccalaureate in music from an accredited college or university. All applicants must take a graduate placement examination in music history and music theory. Applicants for the Composition option must present a portfolio of their work to the composition area for consideration before acceptance to the program. Applicants for the Commercial Music options must either present an audition of appropriate material or present a portfolio of compositions or arrangements for consideration by the Jazz Studies/ Commercial Music area. Students in the Conducting option must present a conducting audition for the appropriate area. Students desiring entrance into this option may also be required to have additional conducting experience or additional outside conducting responsibilities prior to admission to the program. Students in the Performance option must present an audition to the appropriate area committee for admission to the program.

The Master of Music degree, Music Education option is open to students who are either enrolled in the music teaching credential program or are qualified music teachers seeking advanced qualifications. All candidates must hold a baccalaureate degree from an accredited university and have satisfied requirements for the California State University Los Angeles approved Subject Matter program in Music Education, or equivalent certification in the candidate's home state or country.

### Requirements for the Degree

A total of 45 quarter units is required for each of the individual options, including at least 23 units in 500-level music courses. A comprehensive examination (MUS 596) is required at the conclusion of the program. A project in the form of a composition, conducting recital, solo recital, lecture recital, or chamber music recital (candidate must play a primary role) is required at the end of each program (MUS 599).

Graduate students who receive individual studio lessons as part of their degree program are required to concurrently enroll in an approved ensemble for each unit of studio lesson enrollment. In order to receive individual studio lessons, a graduate student is expected to maintain full-time enrollment. Students enrolled in the Master of Music degree program must maintain a 3.0 GPA or better in their music courses.

#### MUS 596 Comprehensive Examination (0)

Students may take the comprehensive examination no earlier than the quarter in which all course work is completed. Students must make arrangements for the comprehensive examination at least one quarter in advance. Students are urged to consult the Department of Music for information about additional procedures.

#### MUS 599 Thesis or Project (4)

Students are encouraged to request a project director from their area early in their program of study to ensure that progress toward the final project is accomplished in a timely manner. Students should consult the Department of Music for information on procedures and required deadlines.

#### Required Core (10 units)

- MUS 500 - Research Techniques in Music (2)
- MUS 530B - Advanced Style Analysis: From 1700 to the Present (4)  
or
- MUS 530C - Popular Music Style Analysis (4)  
(Depending on degree emphasis and adviser approval)
- MUS 599 - Thesis or Project (1–4)

## Options

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- Composition
- Commercial Music
- Conducting
- Performance
- Afro Latin Music
- Music Education

### Option I: Composition (35 units)

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A total of 35 units is required in this option. The project for this option is a composition.

#### Required Courses (22 units)

- MUS 460 - Composition (3) repeat for 6 units
- MUS 530A - Advanced Style Analysis: Chronological Survey to 1700. (4)
- MUS 560 - Advanced Composition (4) repeat for 8 units
- MUS 569 - Seminar: Composition (4)

#### Electives (13 units)

History and Literature (4 units):

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Select one from the following:

- MUS 470 - History and Literature of Opera (4)
- MUS 471 - History and Literature of Large Vocal Forms (4)
- MUS 472 - History and Literature of Vocal Solo Music (4)
- MUS 473 - History and Literature of Symphonic Music (4)
- MUS 474 - History and Literature of Chamber Music (4)
- MUS 475 - History and Literature of Keyboard Music (4)
- MUS 477 - History and Literature of Wind Band in U.S. (4)
- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 572 - Music of Baroque Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

Composition Electives (9 units)

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Select from the following with adviser approval.

- MUS 454L - Special Topics in Music (1–4)
- MUS 460 - Composition (3)
- MUS 469 - Music Technology III (3)
- MUS 560 - Advanced Composition (4)

#### Note:

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Other courses in performance, conducting or applied music with adviser approval.

### Option II: Commercial Music (35 units)

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A total of 35 units is required for this option. There are two tracks in this option. Track 1 is for Composition and Arranging. Track 2 is for Performance. A common core of 24 units is required for both tracks. The project for this option may be a recital, film score, or recording for Track 1, and a recital for Track 2.

#### Required courses (24 units)

- MUS 488 - Music Technology IV (3)
- MUS 545 - The Business of Music (3)
- MUS 547A - Advanced Orchestration and Arranging for Contemporary Media: Small Sized Combinations (4)
- MUS 559 - History and Literature of American Popular Music (4)

Choose 10 units from the following:

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- MUS 432 - Computer Notation (2)
- MUS 465 - Contemporary Techniques (4)
- MUS 481 - Instrumental Conducting (3)
- MUS 484 - Commercial Songwriting (3)
- MUS 486 - Recording Techniques (2)
- MUS 546 - Seminar: Commercial Music (4)
- MUS 582 - Music Technology V (3)
- MUS 598 - Graduate Directed Study (1–4)

**Students must select one of the following tracks with adviser approval (11 units):**

Track 1: Composition and Arranging

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#### **Required Courses (11 units)**

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- MUS 467 - Music Composition for Television and Films (3)
- MUS 547B - Advanced Orchestration and Arranging for Contemporary Media: Medium Sized Combinations (4)
- MUS 592 - Advanced Film Scoring, Songwriting and Music Production (4 units)

Track 2: Performance

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#### **Required Courses (11units)**

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- MUS 519B - Applied Music: Instrumental (2) repeat for 6 units  
or
- MUS 535B - Applied Music: Voice (2) repeat for 6 units  
or
- MUS 549B - Applied Music: Keyboard Instruments (2) repeat for 6 units

#### **Ensembles**

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Select 5 units from the following:

- MUS 421A - Woodwind Ensemble: For mixed woodwind instruments (for example, flute; oboe; clarinet and bassoon; and flute trios). (1)
- MUS 421B - Woodwind Ensemble: For clarinet choir, clarinet, and saxophone trios. (1)
- MUS 422 - Brass Ensemble (1)
- MUS 423A - Percussion Ensemble: Orchestral Percussion (1)
- MUS 423B - Percussion Ensemble: Latin Percussion (1)
- MUS 424 - Jazz Ensemble (1)
- MUS 425 - Chamber Singers (1)
- MUS 426 - Opera Repertory, Performance, and Production (1)
- MUS 427 - Afro-Latin Ensemble (1)
- MUS 428 - New Music Ensemble (1)
- MUS 429 - Jazz Ensemble: Small (1)
- MUS 430 - Mariachi Ensemble (1)
- MUS 431 - Proseminar: Theory Pedagogy (4)
- MUS 432 - Computer Notation (2)
- MUS 434 - Introduction to Phonetics for Musicians (2)
- MUS 435A - Voice (1)
- MUS 435B - Voice (2)
- MUS 436F - French Diction for Singers (2)
- MUS 436G - German Diction for Singers (2)
- MUS 436I - Italian Diction for Singers (2)
- MUS 436S - Spanish and English Diction for Singers (2)
- MUS 437A - Song Repertoire and Interpretation – French (2)
- MUS 437B - Song Repertoire and Interpretation – German (2)
- MUS 437C - Song Repertoire and Interpretation - English and Italian (2)
- MUS 439 - Introduction to Music Librarianship (4)
- MUS 440 - BM Senior Recital (0) units
- MUS 441 - BA Senior Recital (0) units
- MUS 444 - Commercial Music Ensemble (1)

#### **Option III: Conducting (35 units)**

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A total of 35 units is required for this option. There are two tracks in this option. Track I is for choral conducting. Track 2 is for instrumental conducting. A common core of 24 units is required for both tracks. The project for this option is a conducting recital.

#### **Required Courses (24 units)**

- MUS 480 - Choral Conducting (3)
- MUS 481 - Instrumental Conducting (3)
- MUS 520 - Applied Music: Conducting (2) repeat for 6 units

- MUS 530A - Advanced Style Analysis: Chronological Survey to 1700. (4)
- MUS 583 - Seminar: Conducting (4) repeat for 8 units

**Students must select one of the following tracks with adviser approval (11 units):**

**Track 1: Choral Conducting**

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Choral ensemble participation is required each quarter of enrollment.

**Required Courses (11 units)**

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- MUS 435A - Voice (1) repeat for 3 units  
or
- MUS 535A - Applied Music: Voice (1) repeat for 3 units

**History and Literature (8)**

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Select two from the following:

- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

**Track 2: Instrumental Conducting**

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Instrumental ensemble participation is required each quarter of enrollment.

**Required Courses (11units)**

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Applied Music: Instrumental (1, 1, 1) selected from:

- MUS 415A - Strings (1)  
or
- MUS 418A - Percussion (1)  
or
- MUS 519A - Applied Music: Orchestral Instruments (1)

**History and Literature (8 units)**

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- MUS 473 - History and Literature of Symphonic Music (4)

**Select one from the following:**

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- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

**Option IV: Performance (35 units)**

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A total of 35 units is required for this option. There are three tracks in this option. Track 1 is Vocal Performance. Track 2 is Keyboard Performance. Track 3 is Instrumental Performance. A common core of 14 units is required for all three tracks. The project for this option is a solo recital.

**Required Courses (14 units)**

- MUS 519B - Applied Music: Instrumental (2) repeat for 6 units  
or
- MUS 535B - Applied Music: Voice (2) repeat for 6 units  
or
- MUS 549B - Applied Music: Keyboard Instruments (2) repeat for 6 units
- MUS 568 - Seminar: Performance (4)
- MUS 530A - Advanced Style Analysis: Chronological Survey to 1700. (4)

**Students must select one of the following tracks with adviser approval (21 units):**

## Track 1: Vocal Performance

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Vocal/Choral ensemble participation is required each quarter of enrollment.

### Required Courses (18 units)

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- MUS 437A - Song Repertoire and Interpretation – French (2)
- MUS 437B - Song Repertoire and Interpretation – German (2)
- MUS 437C - Song Repertoire and Interpretation - English and Italian (2)
- MUS 507 - Seminar: Vocal Techniques (4)

### History and Literature (8 units)

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Select two from the following:

- MUS 470 - History and Literature of Opera (4)
- MUS 471 - History and Literature of Large Vocal Forms (4)
- MUS 472 - History and Literature of Vocal Solo Music (4)
- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 572 - Music of Baroque Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

### Electives (3 units)

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Select 400-or 500-level courses in music with adviser approval.

## Track 2: Keyboard Performance

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Ensemble participation is required each quarter of enrollment.

**Prerequisite:** MUS 405A or the relative content, is an assumed skill for students entering this option. If students have not had the course or the equivalent, they are required to complete the course. The (3) units will not be attributed to the (35 units) of the program.

### Required Courses (18 units)

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#### Keyboard Studies

Select at least 12 units from the following with adviser approval (Based on previous undergraduate coursework or equivalent experience and emphasis within the option).

- MUS 405A - Approaches to Piano Teaching. (3)
- MUS 405B - Materials for Beginning/Intermediate Piano Students (3)
- MUS 447 - Accompanying (2)
- MUS 475 - History and Literature of Keyboard Music (4)
- MUS 551 - Music Practicum (1)
- MUS 552 - Music Internship (1 -3)

#### History and Literature

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Select at least two courses (6 to 8 units) from the following with adviser approval:

- MUS 434 - Introduction to Phonetics for Musicians (2)
- MUS 470 - History and Literature of Opera (4)
- MUS 472 - History and Literature of Vocal Solo Music (4)
- MUS 473 - History and Literature of Symphonic Music (4)
- MUS 474 - History and Literature of Chamber Music (4)
- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 572 - Music of Baroque Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

### Electives (3 units)

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Select 400-or 500-level courses in music with adviser approval.

### Track 3: Instrumental Performance

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Instrumental ensemble participation is required each quarter of enrollment.

#### **Required Courses (8 units)**

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#### **History and literature (8 units)**

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Select two from the following:

- MUS 473 - History and Literature of Symphonic Music (4)
- MUS 474 - History and Literature of Chamber Music (4)
- MUS 477 - History and Literature of Wind Band in U.S. (4)
- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 572 - Music of Baroque Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

#### **Electives (13 units)**

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Select 400- or 500-level courses in music with adviser approval.

### **Option V: Afro Latin Music (35 units)**

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A total of 35 units is required for this option. The project for this option is a recital.

#### **Required Courses (24 units)**

- MUS 519A - Applied Music: Orchestral Instruments (1) repeat for 3 units  
**or**
- MUS 535A - Applied Music: Voice (1) repeat for 3 units  
**or**
- MUS 549A - Applied Music, Keyboard Instruments (1) repeat for 3 units
- MUS 458 - Music of Latin America (4)
- MUS 486 - Recording Techniques (2)
- MUS 545 - The Business of Music (3)
- MUS 548 - Advanced Orchestration and Arranging for Afro-Latin Ensembles (4)
- MUS 557 - Seminar: Afro-Latin Music (4)
- MUS 558 - Histories and Literature of Afro-Latin Music (4)

#### **Performance (6 units)**

- MUS 423B - Percussion Ensemble: Latin Percussion (1) repeat for 3 units
- MUS 427 - Afro-Latin Ensemble (1) repeat for 3 units

#### **Electives (5 units)**

Select 400- or 500-Level Courses in Music, Latin American Studies, Chicano Studies, or Pan-African Studies with adviser approval.

### **Option VI: Music Education (35 units)**

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#### **Prerequisite**

MUS 489 - Instructional Technology for the Music Educator (3)

(This course or the relative content, is an assumed skill for students entering this option. If students have not had the course or the equivalent, they are required to complete the course. The (3) units will not be attributed to the (35 units) of the program.)

#### **Required Courses (16 units)**

- MUS 501 - Psychology of Music (4)
- MUS 502 - Seminar: Music Education (4)
- MUS 503 - Musics in World Cultures for the Music Educator (4)
- MUS 530A - Advanced Style Analysis: Chronological Survey to 1700. (4)

#### **History and Literature Requirement (4 units)**

Select any 400- or 500-level music history course with adviser approval.

### Track I: Vocal/General Music

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#### **Certification Program (12 units)**

Select twelve units from the following:

Orff-Schulwerk Certification

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- MUS 495 - Orff-Schulwerk Certification Level I (4)
- MUS 587 - Orff-Schulwerk Certification Level II (4)
- MUS 589 - Orff-Schulwerk Certification Level III (4)

Kodaly Certification

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- MUS 494 - Kodaly Methodology Level I (4)
- MUS 586 - Kodaly Methodology Level II (4)
- MUS 588 - Kodaly Methodology Level III (4)

Electives (3 units)

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Any 400- or 500-level course may be selected with the adviser's approval.

**Track II: Vocal/Choral Music**

**Required Courses (7 units)**

- MUS 507 - Seminar: Vocal Techniques (4)
- **or**
- MUS 583 - Seminar: Conducting (4)
- **and**
- MUS 480 - Choral Conducting (3)

Electives (8 units)

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Any 400- or 500-level course may be selected with the adviser's approval.

**Track III: Instrumental Music**

**Required Courses (7 units)**

- MUS 509 - Seminar: Instrumental Music Education (4)
- MUS 481 - Instrumental Conducting (3)

Electives (8 units)

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Any 400- or 500-level course may be selected with the adviser's approval.

## Music, M.A.

The Master of Arts degree in Music is offered for students desiring a graduate degree with a breadth of music study. The degree program can be tailored to meet specific interests and abilities in consultation with graduate advisers.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a baccalaureate in music from an accredited college or university. All applicants must take a graduate placement examination in music. In addition, students must seek advisement and have a program filed in the Music Department before being admitted to classified standing.

Students intending to pursue a graduate degree in music who do not have an undergraduate degree in music are required to pass or show proficiency in the core undergraduate music curriculum before being classified. The core curriculum includes music theory, musicianship, music history, technology and piano proficiency (please refer to the description of the core curriculum in the section describing the undergraduate degree programs in the Department of Music for a list of these expected courses).

#### Requirements for the Degree (45 units)

A total of 45 quarter units is required (a required core of 6 units and 39 additional units) including at least 23 units in 500-level music courses placement in Applied Music is by audition. Students must take a comprehensive examination the program concludes with a thesis or project.

Graduate students who receive individual studio lessons as part of their degree program are required to concurrently enroll in an approved ensemble for each unit of studio lesson enrollment in order to receive individual studio lessons, a graduate student is expected to maintain full-time enrollment. Students enrolled in the Master of Arts degree program must maintain a 3.0 GPA or better in their music courses.

#### Required Core (6 units)

- MUS 500 - Research Techniques in Music (2)
- MUS 596 - Comprehensive Examination (0)
- MUS 599 - Thesis or Project (1–4) (4)

#### Required units for the Degree (39 units)

##### Required courses (12 units)

###### To be taken in sequence

- MUS 530A - Advanced Style Analysis: Chronological Survey to 1700. (4)
- MUS 530B - Advanced Style Analysis: From 1700 to the Present (4)
- MUS 530C - Popular Music Style Analysis (4)

###### Seminar

Select 4 units from the following:

- MUS 502 - Seminar: Music Education (4)
- MUS 507 - Seminar: Vocal Techniques (4)
- MUS 508 - Seminar: Choral Music (4)
- MUS 509 - Seminar: Instrumental Music Education (4)
- MUS 568 - Seminar: Performance (4)
- MUS 569 - Seminar: Composition (4)
- MUS 579 - Seminar: Musicology (4)

###### Applied Music or Performance (3 units)

Select 3 units from the following:

###### Applied



- MUS 415A - Strings (1)
- MUS 416A - Woodwinds (1)
- MUS 417A - Brass (1)
- MUS 418A - Percussion (1)
- MUS 435A - Voice (1)
- MUS 445A - Piano (1)
- MUS 446A - Organ (1)
- MUS 447 - Accompanying (2)
- MUS 519A - Applied Music: Orchestral Instruments (1)
- MUS 535A - Applied Music: Voice (1)
- MUS 549A - Applied Music, Keyboard Instruments (1)

#### Performance

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- MUS 420A - String Ensemble: Orchestral Instruments (1)
- MUS 421A - Woodwind Ensemble: For mixed woodwind instruments (for example, flute; oboe; clarinet and bassoon; and flute trios). (1)
- MUS 421B - Woodwind Ensemble: For clarinet choir, clarinet, and saxophone trios. (1)
- MUS 422 - Brass Ensemble (1)
- MUS 423A - Percussion Ensemble: Orchestral Percussion (1)
- MUS 424 - Jazz Ensemble (1)
- MUS 425 - Chamber Singers (1)
- MUS 426 - Opera Repertory, Performance, and Production (1)
- MUS 428 - New Music Ensemble (1)
- MUS 510 - Graduate Choral Ensemble (1)
- MUS 511 - Graduate Instrumental Ensemble (1)

#### History (12 units)

Select 12 units from the following:

- MUS 454L - Special Topics in Music (1–4) (4)
- MUS 470 - History and Literature of Opera (4)
- MUS 471 - History and Literature of Large Vocal Forms (4)
- MUS 472 - History and Literature of Vocal Solo Music (4)
- MUS 473 - History and Literature of Symphonic Music (4)
- MUS 474 - History and Literature of Chamber Music (4)
- MUS 475 - History and Literature of Keyboard Music (4)
- MUS 477 - History and Literature of Wind Band in U.S. (4)
- MUS 570 - Music of the Medieval Period (4)
- MUS 571 - Music of Renaissance Period (4)
- MUS 572 - Music of Baroque Period (4)
- MUS 573 - Music of Classic Period (4)
- MUS 574 - Music of Romantic Period (4)
- MUS 575 - 20th Century Music to 1945 (4)
- MUS 576 - 20th Century Music Since 1945 (4)

#### Electives (12 units)

Select 400- or 500-level courses with adviser approval

## Television, Film and Theatre, M.F.A.

The MFA is a terminal degree that prepares students for diverse professional and academic programs. In particular, the CSULA MFA in Television, Film and Theatre will prepare students for careers in performance/acting, production, and dramatic writing in the television, film and theatre industries. The MFA, along with extensive professional experience, also serves to prepare students to teach in these fields.

The CSULA MFA in Television, Film and Theatre will offer three formal options:

**Option 1: Performance /Acting:** Students in this option will have the opportunity to perform in numerous venues prior to completing their degree. The Performance /Acting Option will include classes and workshops in performance theory, performance history, theories of acting for the stage, television and film; as well as courses designed to inform students of current industry practices and procedures.

**Option 2: Production:** The option will include classes, and practicum in all related media through all stages of production. Students in the Production Option will benefit from visiting guest artists, from the Film/Television production and Theatre faculty who continue to work in their professions, and from regularly scheduled graduate student Project I, Project II and Culmination project screening events or staged productions.

**Option 3: Dramatic Writing:** Students in this option will have the opportunity to write across television, film, and stage. In collaboration with students in the Performance and Production Options, students in the Dramatic Writing option will engage the full scope of television, film and stage production as relates to the art and craft of dramatic writing. Also in collaboration with students in the Performance and Production Options, students in the Dramatic Writing Option will have the opportunity to see their works produced in theatrical/telecast/film exhibition.

**Option Requirements:** The graduate program consists of a total of 88 units, with a minimum of 44 units in core courses and at least 44 units in one of the three options. Students must meet the requirements of the designated option. Graduate advisers must be consulted regarding specific option requirements.

Within the selected Option of Performance/Acting, Production or Dramatic Writing, each student will engage three projects, one each in television, film and theatre.

### The MFA in Television Film and Theatre has the following objectives:

- To establish and foster a unique, interdisciplinary approach to production, performance and dramatic writing;
- To prepare students for careers in production, performance and dramatic writing by emphasizing technical proficiency and creative artistry within and across television, film and theatre;
- To provide students in performance, production and dramatic writing career options with the intellectual and historical backgrounds central to their development as media artists and scholars;
- To provide the technical and academic expertise essential to prepare future faculty in this terminal degree program;
- To provide CSULA's uniquely diverse student body with opportunities for advanced coursework in production, performance and dramatic writing.

### Admission:

#### I. Admission to the graduate program at California State University, Los Angeles requires:

- a. completion of a four-year college course of study and an acceptable baccalaureate from an institution accredited by a regional accrediting association, or completion of an equivalent academic preparation as determined by the appropriate campus authorities.
- b. good academic standing at the last college or university attended.
- c. attainment of a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted.

#### 2. Admission to the MFA program jointly sponsored by the Department of Communication Studies and the Department of Theatre Arts and Dance further requires:

- a. A 3.0 grade point average in the last 60 semester (90 quarter) units for unconditional acceptance with an articulated plan of study submitted for consideration along with a department based application form.
- b. Submission of a portfolio of creative work and performance programs which may include production stills/film/video clips, stage plays, screenplays or television scripts.
- c. A statement of the applicant's academic and professional objectives in the MFA.
- d. Two letters of recommendation on applicant's potential for success.
- e. Transcripts from all institutions of higher education or professional schools attended.
- f. Interviews will be required of all candidates.

g. Students applying for the Performance Option will be required to audition using two contrasting monologues - four minutes in length.

**3. Students may be eligible for admission under a conditional academic program that would entail required foundational course work evaluated and designated by a faculty advisor preceding the formal entry into the MFA (see below).**

**4. In order to advance in the program the student must maintain continuing student status, successfully complete all courses with a B or better average in courses attempted with an overall G.P.A. of at least 3.0 and complete an advancement to candidacy evaluation process after completing 16 units. Only students who are advanced to candidacy are eligible to enroll in Project I, II and Culmination Project units.**

*NOTE: Students must successfully pass an annual review (at the end of years one and two of their program; roughly set at 35 units and 64 units). The review committee will consist of at least three faculty members, one from each of the three Options who will evaluate the quality of the student's progress based on a submitted portfolio of work by the student, grades and observations of the student's ongoing work and involvement in the program.*

## Curriculum Summary

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The MFA is a terminal degree that prepares students for diverse professional and academic programs. In particular, the CSULA MFA in Television, Film and Theatre will prepare students for careers in performance/acting, production, and dramatic writing in the television, film and theatre industries. The MFA, along with extensive professional experience, also serves to prepare students to teach in these fields.

The CSULA MFA in Television, Film and Theatre will offer three formal options:

**Option 1: Performance I Acting:** Students in this option will have the opportunity to perform in numerous venues prior to completing their degree. The Performance /Acting Option will include classes and workshops in performance theory, performance history, theories of acting for the stage, television and film; as well as courses designed to inform students of current industry practices and procedures.

**Option 2: Production:** The option will include classes, and practicum in all related media through all stages of production. Students in the Production Option will benefit from visiting guest artists, from the Film/Television production and Theatre faculty who continue to work in their professions, and from regularly scheduled graduate student Project I, Project II and Culmination project screening events or staged productions.

**Option 3: Dramatic Writing:** Students in this option will have the opportunity to write across television, film, and stage. In collaboration with students in the Performance and Production Options, students in the Dramatic Writing option will engage the full scope of television, film and stage production as relates to the art and craft of dramatic writing. Also in collaboration with students in the Performance and Production Options, students in the Dramatic Writing Option will have the opportunity to see their works produced in theatrical/telecast/film exhibition.

**Option Requirements:** The graduate program consists of a total of 88 units, with a minimum of 44 units in core courses and at least 44 units in one of the three options. Students must meet the requirements of the designated option. Graduate advisers must be consulted regarding specific option requirements.

Within the selected Option of Performance/Acting, Production or Dramatic Writing, each student will engage three projects, one each in television, film and theatre.

**The MFA in Television Film and Theatre has the following objectives:**

- To establish and foster a unique, interdisciplinary approach to production, performance and dramatic writing;
- To prepare students for careers in production, performance and dramatic writing by emphasizing technical proficiency and creative artistry within and across television, film and theatre;
- To provide students in performance, production and dramatic writing career options with the intellectual and historical backgrounds central to their development as media artists and scholars;
- To provide the technical and academic expertise essential to prepare future faculty in this terminal degree program;
- To provide CSULA's uniquely diverse student body with opportunities for advanced coursework in production, performance and dramatic writing.

## Admission:

**I . Admission to the graduate program at California State University, Los Angeles requires:**

- a. completion of a four-year college course of study and an acceptable baccalaureate from an institution accredited by a regional accrediting association, or completion of an equivalent academic preparation as determined by the appropriate campus authorities.
- b. good academic standing at the last college or university attended.
- c. attainment of a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted.

**2. Admission to the MFA program jointly sponsored by the Department of Communication Studies and the Department of Theatre Arts and Dance further requires:**

- a. A 3.0 grade point average in the last 60 semester (90 quarter) units for unconditional acceptance with an articulated plan of study submitted for consideration along with a department based application form.
- b. Submission of a portfolio of creative work and performance programs which may include production stills/film/video clips, stage plays, screenplays or television scripts.
- c. A statement of the applicant's academic and professional objectives in the MFA.
- d. Two letters of recommendation on applicant's potential for success.
- e. Transcripts from all institutions of higher education or professional schools attended.
- f. Interviews will be required of all candidates.
- g. Students applying for the Performance Option will be required to audition using two contrasting monologues - four minutes in length.

**3. Students may be eligible for admission under a conditional academic program that would entail required foundational course work**

evaluated and designated by a faculty advisor preceding the formal entry into the MFA (see below).

4. In order to advance in the program the student must maintain continuing student status, successfully complete all courses with a B or better average in courses attempted with an overall G.P.A. of at least 3.0 and complete an advancement to candidacy evaluation process after completing 16 units. Only students who are advanced to candidacy are eligible to enroll in Project I, II and Culmination Project units.

*NOTE: Students must successfully pass an annual review (at the end of years one and two of their program; roughly set at 35 units and 64 units). The review committee will consist of at least three faculty members, one from each of the three Options who will evaluate the quality of the student's progress based on a submitted portfolio of work by the student, grades and observations of the student's ongoing work and involvement in the program.*

## Conditional Programs

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Because it is unlikely that students will enter this MFA program with backgrounds that combine media studies and theatre, unique conditional programs have been developed to address possible foundational deficiencies in both areas.

1.

The 20 unit conditional program for prospective MFA students entering the Performance Option without a BA majoring in Theatre Arts or an adequate background in performance.

- TAD 132 - Stagecraft II (3)
- TA 142 - Acting Fundamentals: Character Study (3)
- TA 143 - Acting Fundamentals: Scene Study (3)
  
- TA 276 - Introduction to Play Writing (4) **also listed as**
- ENGL 276 - Introduction to Play Writing (4)
  
- TA 313 - Development of World Theatre III (4)
- TA 445 - Principles of Directing I (3)

2.

The 20 unit conditional program for MFA students entering the Production Option without a BA majoring in Film I Television or lacking an adequate background in production.

- TVF 200 - Introduction to Single Camera and Editing (4)
- TVF 201 - Introduction to Television Studio Production (4)
- TVF 224 - Survey of Film (4)
- TVF 301 - Intermediate Television Studio Production (4)
- TVF 320 - Audio Production (4)

3.

The 20 unit conditional program for MFA students entering the Dramatic Writing Option without a BA majoring in Film / Television or lacking an adequate background in dramatic writing.

- TVF 200 - Introduction to Single Camera and Editing (4)
- TVF 224 - Survey of Film (4)
- TVF 265 - Introduction to Scriptwriting (4)
- TVF 365 - Intermediate Scriptwriting (4)
- TVF 465 - Seminar: Advanced Scriptwriting (4)

## Requirements for the Degree

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### (88 units)

A total of 88 units are required, with a minimum of 44 units of core courses, a minimum of 44 units in a particular option, including at least 60 units in 500-level courses. All students are required to complete three projects (TVFT 546A & B , and TVFT 599 ). Consultation with a graduate adviser is required for development and approval of a graduate program, which includes the following:

#### Required Core Courses (36 units)

---

- TVFT 500 - Introduction to the Production / Performance Master of Fine Arts in Television, Film and Theatre (2)
- TVFT 502 - Directing (4)
- TVFT 503A - Dramatic Structure I: Theatre (4)
- TVFT 503B - Dramatics Structure II: Film (4)
- TVFT 503C - Dramatic Structure III: Television (4)
  
- COMS 508 - Media Arts, Theatre & Society (4) **also listed as**
- TVFT 508 - Media Arts, Theatre and Society (4)
  
- TVFT 510 - Studio and Field Operations (4)
- TVFT 511 - Stage Operations (4)
- TVFT 580 - Collaboration Workshop (2)
- TVFT 581 - Entertainment Arts Internship (2)

#### Elective Core Courses (8 units)

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Select two course from the following:

*\*Enrollment in TA 541 requires permission from Director of Graduate Studies Theatre Arts and Dance.*

- COMS 505 - Seminar: Media Theory and Criticism (4)
- COMS 506 - Seminar: Television Studies (4)
- COMS 507 - Seminar: Post World War II Film and Television History (4)
- \* TA 541 - Seminar: Theories of Acting (4)
- TAD 570 - Seminar: Experimental Theatre Performance (4)

## Options

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### Performance/Acting Option (44 units)

Required Courses (28 units)

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- TVFT 517 - Acting for the Stage (3)
- TVFT 518 - Acting for Television (3)
- TVFT 519 - Acting for Film (3)
- TVFT 542 - Acting Studio (3)
- TVFT 543A - Voice for Performers I (2)
- TVFT 543B - Voice for Performers II (2)
- TVFT 543C - Voice for Performers III (2)
- TVFT 544A - Movement for Performers I (2)
- TVFT 544B - Movement for Performers II (2)
- TVFT 544C - Movement for Performers III (2)
- TVFT 563 - The Business of Acting (4)

Performance Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first Fall quarter of Assistantship.

Project Requirements (8 units): All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

### Production Option (44 units)

Required Courses (28 units)

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- TVFT 521 - Directing for the Stage (4)
- TVFT 522 - Single Camera Directing and Producing (4)
- TVFT 523 - Multiple Camera Television Production (4)
- TVFT 531A - Motion Picture Pre Production/Production (4)
- TVFT 531B - Motion Picture Production/ Post Production (4)
- TVFT 533 - Advanced Problems in Multiple Camera Television Production (4)
- TVFT 579 - The Business of Production (4)

Production Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first fall quarter of Assistantship.

Project Requirements (8 units)

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All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

### Dramatic Writing (44 units)

Required Courses (28 units)

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- TVFT 545 - Scene Writing Lab (2)
- TVFT 547 - Story Development (4)
- TVFT 548 - Creating Characters and Writing Dialogue (4)
- TVFT 549 - Playwriting (4)

- TVFT 550 - Genre Writing (4)
- TVFT 551 - TV Sitcom Writing (4)
- TVFT 552 - The Business of Writing (4)
- TVFT 553 - Pitching Workshop (2)

#### Writing Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first Fall quarter of Assistantship.

#### Project Requirements (8 units)

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All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

#### MFA Projects

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MFA students are required to complete three MFA projects under the rubrics of TVFT 546 A, TVFT 546 B and TVFT 599, with TVFT 599 being the MFA Culmination Project. These three projects must include one in each of the following categories: theatre, multi-camera television, and film style production.

1. Written Project Proposals: After Advancement to Candidacy, Projects I, II, and Culmination Project are developed under the guidance of the candidate's project committee. All candidates must submit a written proposal for each project to be approved by respective committees and department chair.
2. Exhibition: Upon the committee approval of the completed work, all Projects will be -appropriately exhibited in accordance with departmental and University requirements.

Students should consult the "Guide to Preparation of Masters Theses and Project Reports" <http://www.calstatela.edu/library/guides/thesbk.htm> for specific information regarding requirements established by the University for the production and exhibition of project reports.

## Theatre Arts, M.A.

### Admission to the Program

Application must be made to both the Department of Theatre Arts and Dance and the University. Forms for both may be obtained from the department office.

Applicants must submit completed departmental applications with one copy of transcripts from all colleges attended, three letters of recommendation, a statement of purpose for undertaking graduate studies, an artistic resume and/or portfolio (if appropriate). All applicants must submit a writing sample illustrating command of research and writing skills. Applications and supporting documentation must be received by the department of Theatre Arts and Dance before June 15 for admission Fall Quarter, October 1 for Winter Quarter, February 1 for Spring Quarter, and April 1 for Summer Quarter.

University applications and two copies of official transcripts from all colleges attended must be sent to the Admissions Office in accordance with University admission deadlines. GRE examinations are recommended for those students considering the MA as preparation for a Ph.D. International students must submit TOEFL scores. Campus interview and visits with faculty are encouraged for all applicants seeking admission.

In addition to University requirements for admission to graduate study, applicants must have a baccalaureate in theatre arts, dance, or performance studies from an accredited college or university with a minimum 3.0 average in the major, or have completed a baccalaureate in a related field with at least 24 quarter units of approved upper division courses in one or more of these areas with a minimum 3.0 average. Of the 24 quarter units, at least 9 quarter units must be in theatre history, literature, and/or dance history courses and 6 quarter units of upper division work in technical theatre. Deficiencies will be determined by the TAD Graduate Committee, and undergraduate coursework may be required.

#### Requirements for the Degree (45 units)

A total of 45 units are required, with at least 23 in 500-level courses.

##### Required Core (20 units)

- TAD 500 - Graduate Research in Performance (4)
- TA 510 - Projects in Teaching Theatre, Performance and Dance (1– 4)
- TA 511 - Seminar: Special Studies in Performance History (4)
- TAD 570 - Seminar: Experimental Theatre Performance (4)
- TAD 574 - Theories in Performance (4)

##### Electives (22–25 units)

Select 3 units in one of following (for students who select comprehensive examinations):

- TA 595 - Graduate Performance (1–4)
- or
- TA 598 - Graduate Directed Study (1–4)

Select 12-16 units from following:

(at least 4 units must be in a 500 level seminar; no more than 8 units outside TA and TAD):

- TA 510 - Projects in Teaching Theatre, Performance and Dance (1– 4)
- TA 541 - Seminar: Theories of Acting (4)
- TA 566 - Seminar: Dramatic Theory (4)
- TA 572 - Seminar: Topics in the Research of Performance Literature (4)
- TA 598 - Graduate Directed Study (3)
- COMM 567
- TA 454L - Selected Topics in Theatre Arts (1–4)
- TA 460 - Studies in Selected Dramatists (1–4)
- TA 461 - Nature of Dramatic Comedy (4)
- TA 462 - Nature of Dramatic Tragedy (4)
- TA 463 - Shakespeare as Living Theatre (4)
- TA 464 - Contemporary U.S. Theatre (4)
- TA 471 - Theatre of the Avant-Garde (4)
- TA 475 - Dramaturgy (4)
- TA 476 - Play Writing (4)
- TAD 467 - Theory and Method in Performance Studies (4)
- TAD 468 - Performance and Social Change (4)

- ENGL 417 - Shakespeare I (4)
- ENGL 418 - Shakespeare II (4)
- ENGL 424 - Greek and Roman Drama in Translation (4)
- ENGL 428 - Contemporary Drama: Continental, English, and American (4)
- ENGL 461 - Dramatic Literature of the English Renaissance (4)

**Select 6-10 units from following:**

(6 if 16 above; 10 if 12 above)

- TA 595 - Graduate Performance (1–4)
- TA 598 - Graduate Directed Study (1–4)
- TA 401 - Advanced Creative Dramatics (4)
- TA 402 - Children's Theatre Tour (3)
- TA 422 - Advanced Theatrical Makeup (3)
- TA 426 - Introduction to Stage Costuming (3)
- TA 427 - Stage Costume Design (3)
- TA 431 - Introduction to Stage Scenery (3)
- TA 432 - Stage Scenery Design (3)
- TA 434 - Introduction to Stage Lighting (3)
- TA 435 - Stage Lighting Design (3)
- TA 441 - Acting Studio I: Material from the American English Realist tradition (3)
- TA 442 - Acting Studio II: Material from the Early Realist tradition (3)
- TA 443 - Acting Studio III: Material from classical and Musical Theatre (3)
- TA 445 - Principles of Directing I (3)
- TA 446 - Principles of Directing II (3)
- TA 459 - Hispanic Play Production (3–4)
- TA 479 - Life Scripts (4)
- TAD 439 - Arts Management (4)
- TAD 486 - Cross Cultural Approaches to Social Performance (3)

### **Comprehensive Examination or Thesis or Project (0, 3 units)**

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The choice of comprehensive examination or thesis or project is to be made with adviser approval.

Students should expect to take the comprehensive examination (TA 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

- \*\* TA 596 - Comprehensive Examination (0)
  - **or**
  - TA 599 - Thesis or Project (1–6)
- \*\*To be taken in combination with 3 units of TA 595 and/or 598*



## Music Credential Program

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The Bachelor of Arts degree program in Music, including the additional requirements for the Single Subject credential, is the subject matter program designed to qualify students for the Single Subject credential in Music. Students should consult advisers in the department and the Charter College of Education.

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## Theatre Arts and Dance Credential Program

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The Department of Theatre Arts and Dance does not have a program for the Single Subject credential in English approved by the Commission on Teacher Credentialing. Students interested in this credential should consult advisers in the Department of English or Communication Studies and in the Charter College of Education.

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## Department of Philosophy

### DEPARTMENT OFFICE

Engineering and Technology A432

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Website: <http://www.calstatela.edu/dept/phil/>

E-mail Addresses: Requests for information or advising can be e-mailed to [philba@calstatela.edu](mailto:philba@calstatela.edu) or [philma@calstatela.edu](mailto:philma@calstatela.edu). In addition, every faculty member has an e-mail address composed of the initial of the first name plus last name (or the first six letters of a longer last name) @calstatela.edu, for example, [mbalagu@calstatela.edu](mailto:mbalagu@calstatela.edu) or [dpitt@calstatela.edu](mailto:dpitt@calstatela.edu).

Philosophy engages students in thinking about the fundamental questions of human life—life's meaning and the ways in which we understand the world and our place in it. Philosophy students read and discuss writings of the world's great thinkers, both in the history of philosophy and in the contemporary arena. Studies include, for example, ethics, political and social thought, logic, theory of knowledge, philosophy of science, philosophy of art and film, philosophy of law, philosophy of religions, metaphysics, feminist philosophy, philosophy and race, biomedical ethics, existentialism, postmodern thought, the philosophers of China, Japan, India, and Latin America.

Those who study philosophy are valued by employers, graduate schools and professional schools in a wide range of fields for their analytic skills, their clear thinking and writing, their creative imagination, and the broad base of their background and knowledge. Philosophy is an appropriate field of study for students hoping to attend law school.

An undergraduate major can be taken in Philosophy with either of two options: General and Prelaw. An undergraduate minor in Philosophy with General and Prelaw options is available for students majoring in other fields.

An interdisciplinary minor in Classics is administered by the Department of Philosophy. The faculty is drawn from cooperating departments of the College of Arts and Letters and the College of Natural and Social Sciences.

The Master of Arts degree in Philosophy offers students a broad background in both the history of philosophy and contemporary thought. The program is designed to accommodate various student goals; for example, preparation for further graduate study or for community college teaching as well as self-enrichment. In some specific areas of philosophy, career opportunities are available in institutions engaged in basic research.

A postbaccalaureate certificate program in Teaching Critical Thinking is available for those with an interest in the theory and techniques of teaching critical thinking at either the college or secondary school level.

Philosophy students have many opportunities to interact informally with faculty members and to work with each other. There is a student Philosophy Club and a student journal, *Philosophy in Practice*.

## The Faculty

**Professors:** Mark Balaguer, Jennifer Faust, Ricardo J. Gómez, Henry R. Mendell, Joseph B. Prabhu, Kayley Vernallis (*Chair*).

**Associate Professors:** Talia Bettcher, David Pitt.

**Assistant Professors:** Mohammed Abed, Anna Carastathis, Richard Dean, Michael Shim.

**Emeriti:** Sidney P. Albert, Thomas Annese, Sharon Bishop, Donald R. Burrill, Ann Garry, George R. Vick.

## Programs for this Department

### Undergraduate Major

- Philosophy, B.A.

### Undergraduate Minor

- Classics Minor
- Philosophy General Minor
- Philosophy Prelaw Minor


### Graduate Major

• Philosophy, M.A.

**Graduate Certificate**

• Graduate Certificate Program in Teaching Critical Thinking



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# Philosophy, B.A.

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The Bachelor of Arts degree in Philosophy is suited to the needs of several groups of students: those seeking a broad and integrated liberal education; those preparing for law school; those interested in careers in government, education, publishing, theology, or the ministry; and those planning to do graduate work in philosophy with an aim of teaching at the college level.

The total number of units required for the Bachelor of Arts degree in Philosophy is 180 units, of which 62-82 are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (62-82 units)

### General Option (62 units)

A total of 62 quarter units in philosophy is required for the major with the General option.

#### Lower Division Required Courses (8 units)

- PHIL 151 - Philosophical Ideas: Knowledge and Reality (4)
- PHIL 250 - Introduction to Symbolic Logic (4)

#### Upper Division Required Courses (18 units)

- PHIL 300 - Origins of Classical Thought (4)
- PHIL 304 - Ethics I (4)
- PHIL 311 - History of Ancient Philosophy (4)
- PHIL 313 - History of Modern Philosophy (4)
- PHIL 496 - Senior Seminar (2)

#### Electives (16 units)

Select one from the following:

- PHIL 410 - Social and Political Philosophy (4)
- PHIL 420 - Ethics II (4)
- PHIL 475 - Aesthetics (4)

Select one from the following:

- PHIL 452 - Medieval Philosophy (4)
- PHIL 458 - Major Figures in Modern Philosophy (4)
- PHIL 459 - 19th Century Philosophy (4)

Select at least two from following including at least one from 405, 460, 470:

- PHIL 404 - Inductive Logic (4)
- PHIL 405 - Symbolic Logic (4)
- PHIL 406 - Advanced Logic (4)
- PHIL 460 - Metaphysics (4)
- PHIL 470 - Theory of Knowledge (4)
- PHIL 480 - Philosophy of Language (4)
- PHIL 485 - Philosophy of Science (4)

#### Additional Electives (20 units)

At least 12 units must be at the 400-level. Select courses with adviser approval.

### Prelaw Option (82 units)

A total of 82 quarter units is required for the major with the Prelaw option, including 62 units in philosophy and 20 outside philosophy.

#### Lower Division Required Courses (8 units)

- PHIL 151 - Philosophical Ideas: Knowledge and Reality (4)

- PHIL 160 - Critical Thinking (4)
- **or**
- PHIL 250 - Introduction to Symbolic Logic (4)

### **Upper Division Required Courses (18 units)**

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- PHIL 300 - Philosophical Research and Writing (4)
- PHIL 304 - Ethics I (4)
- PHIL 311 - History of Ancient Philosophy (4)
- PHIL 313 - History of Modern Philosophy (4)
- PHIL 496 - Senior Seminar (2)

### **Electives in Philosophy (16 units)**

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Select two from following:

- PHIL 410 - Social and Political Philosophy (4)
- PHIL 420 - Ethics II (4)
- PHIL 490 - Philosophy of Law (4)

**Select two from following:**

- PHIL 470 - Theory of Knowledge (4)
- PHIL 480 - Philosophy of Language (4)
- PHIL 485 - Philosophy of Science (4)

### **Additional Electives in Philosophy (20 units)**

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At least 12 units must be at the 400-level. Select courses with a adviser approval.

### **Additional Electives Outside Philosophy (20 units)**

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Select courses with adviser approval that supplement prelaw background.

## Classics Minor

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The minor in Classics is an interdisciplinary program that provides students with an understanding of the culture of ancient Greece and Rome. In conjunction with a major program in anthropology, art history, English, history, philosophy, or political science, the classics minor will prepare students for graduate study in the major field. Alternatively, the Classics program can serve as a means of enriching one's experience and achieving a fuller understanding of contemporary Western culture.

The minor consists of 28 units, of which 4 are required in Classics and 24 are selected from the five areas listed below. Courses chosen must include at least one from each of three different areas. Prior approval must be obtained from the adviser for selected topics and directed study courses. No more than 8 units taken for credit in the student's major program can be used to meet requirements for the minor. Each student's program must be approved by the director and principal adviser of the Classics program.

### Requirements for the Minor (28 units)

#### Core course (4 units)

- CLAS 300 - Origins of Classical Thought (4)

#### Area I: Anthropology and Art

- ANTH 425 - Archaeology of the Old World (4)
- ART 406 - Ancient Near Eastern Art and Archaeology (4)
- ART 411 - Greek and Roman Art (4)
- ART 476 - Early Christian and Byzantine Art (4)

#### Area II: Mythology, Literature, and Rhetorical Theory

- ENGL 258 - Mythology in Literature (4)
- ENGL 354 - Selected Topics in Literature (4)
- ENGL 424 - Greek and Roman Drama in Translation (4)
- COMM 454 - Selected Studies in Communication (1-4)
- TA 460 - Studies in Selected Dramatists (1-4)

#### Area III: History and Political Theory

- HIST 410 - Ancient Near East: 4000-323 B.C. (4)
- HIST 411 - History of Ancient Greece (4)
- HIST 412A - Early Rome, The Republic (4)
- HIST 412B - The Roman Empire (4)
- HIST 413 - Greek History: The Alexandrian Age (4)
- POLS 431 - Classical Political Theory (4)

#### Area IV: Philosophy

- PHIL 311 - History of Ancient Philosophy (4)
- PHIL 450 - Plato (4)
- PHIL 451 - Aristotle (4)
- PHIL 474 - Philosophy in Literature (4)

#### Area V: Languages

- LATN 100A - Elementary Latin (4)
- LATN 100B - Elementary Latin (4)
- LATN 100C - Elementary Latin (4)

#### Notes:

Greek (through directed study in any of those departments associated with this minor whose faculty are qualified to direct such study).

Directed study or independent study about a selected classical figure or topic is also available from each department associated with this minor program.

## Philosophy General Minor

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A total of 32 units is required, including at least 24 units in upper division courses.

### Requirements for the General Option Minor (32 units)

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#### Lower Division Required Courses (8 units)

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- PHIL 151 - Philosophical Ideas: Knowledge and Reality (4)  
or
- PHIL 152 - Philosophical Ideas: Human Values (4)
- PHIL 250 - Introduction to Symbolic Logic (4)

#### Upper Division Required Courses (12 units)

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- PHIL 304 - Ethics I (4)
- PHIL 311 - History of Ancient Philosophy (4)
- PHIL 313 - History of Modern Philosophy (4)

#### Electives (12 units)

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Select 12 philosophy units with adviser approval

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# Philosophy Prelaw Minor

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A total of 32 units is required, including at least 24 units in upper division courses.

## Requirements for the Prelaw Option Minor (32 units)

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### Lower Division Required Courses (8 units)

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- PHIL 151 - Philosophical Ideas: Knowledge and Reality (4)  
or
- PHIL 152 - Philosophical Ideas: Human Values (4)
- PHIL 160 - Critical Thinking (4)  
or
- PHIL 250 - Introduction to Symbolic Logic (4)

### Upper Division Required Courses (8 units)

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- PHIL 304 - Ethics I (4)
- PHIL 311 - History of Ancient Philosophy (4)  
or
- PHIL 313 - History of Modern Philosophy (4)

### Electives (8 units)

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Select two from the following:

- PHIL 410 - Social and Political Philosophy (4)
- PHIL 420 - Ethics II (4)
- PHIL 490 - Philosophy of Law (4)

### Additional Electives (8 units)

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Select philosophy courses with adviser approval.

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# Philosophy, M.A.

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The Master of Arts degree in Philosophy draws students with a wide range of interests and professional goals, including further graduate study in philosophy, community college teaching and personal enrichment. Although the department is analytically oriented, it encourages work in other areas, for example, Asian philosophy, feminist philosophy, and the intersection between European and Anglo-American thought.

## Admission to the Program

In addition to University requirements for admission to graduate study the Philosophy Department requires a 2.75 grade point average in the last 90 quarter units, official transcripts, and a writing sample (either a statement of purpose or a philosophy paper). Applicants must possess a baccalaureate in philosophy or a baccalaureate with a major in a field other than philosophy supplemented by the equivalent of a minor in philosophy. The director of graduate studies in the Department of Philosophy will determine whether prior course work is equivalent to a minor. Applicants to the graduate program are admitted based on a comprehensive review of their application materials by the Department of Philosophy.

Applicants must consult an adviser in philosophy to determine whether any academic deficiencies exist before admission to the program can be granted.

## Requirements for the Degree (45 units)

### Required Courses

A total of 45 units is required, with at least 36 in philosophy and 23 in 500-level courses. Courses outside philosophy must be relevant to the student's program.

### Prerequisites

Students are required to include the following philosophy courses in their program, if not completed prior to admission to the program.

- PHIL 405 - Symbolic Logic (4)
- PHIL 410 - Social and Political Philosophy (4)  
or
- PHIL 420 - Ethics II (4)
- PHIL 460 - Metaphysics (4)  
or
- PHIL 470 - Theory of Knowledge (4)

### Comprehensive Examinations or Thesis (0, 1-6 units)

- PHIL 596 - Comprehensive Examination (0)  
or
- PHIL 599 - Thesis (1-6)

### Comprehensive Examinations

Students must comply with college and departmental eligibility requirements for registration for the comprehensive examinations (PHIL 596) and may take all three examinations during one quarter or spread them over successive quarters.

Students are required to pass comprehensive examinations in three of the four areas in which exams are given; in each area students select one exam.

**Area A:** Metaphysics or Theory of Knowledge

**Area B:** Ethics or Social/Political Philosophy

**Area C:** History of Ancient Philosophy or History of Modern Philosophy

**Area D:** Aesthetics, Asian Philosophy, Contemporary Continental Philosophy, Latin American Philosophy, Logic, Nineteenth Century Philosophy, Philosophy of Language, Philosophy of Mind, Philosophy of Religion, or Philosophy of Science.

Students are permitted two attempts to pass each comprehensive examination. Students who fail a comprehensive examination in the same area a second time will be disqualified from the program.

Comprehensive exams will be offered only in the fall, winter, and spring terms.

## Thesis

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Completion of the first 36 units of the master's degree program with a minimum 3.5 grade point average, approval of the thesis proposal by the department, enrollment in 1-6 units of PHIL 599, and an oral examination on the thesis are required for the thesis option. Students who have at any time attempted the comprehensive examination (PHIL 596) are ineligible for this option.

Students must include seminars in at least three of the four major subject areas in their master's degree program. The four subject areas and the courses that fulfill each are: History of Philosophy (PHIL 510, PHIL 511, PHIL 513, and PHIL 515); Logic, Philosophy of Language, and Philosophy of Science (PHIL 521, PHIL 523, and PHIL 525) Metaphysics and Theory of Knowledge (PHIL 531, PHIL 532, and PHIL 533); Aesthetics, Ethics, and Social/Political Philosophy (PHIL 542, PHIL 543, and PHIL 544).

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# Graduate Certificate Program in Teaching Critical Thinking

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The postbaccalaureate credit certificate program in Teaching Critical Thinking is designed for those with an interest in the theory and techniques of teaching critical thinking at either the college or secondary school level.

In addition to University requirements for admission to graduate study, applicants must have some background in philosophy or another humanistic discipline and have completed PHIL 250: Introduction to Symbolic Logic, or the equivalent. Interested students should consult the program coordinator in the Department of Philosophy. Deficiencies in preparation may be remedied during the first quarters of enrollment in the program.

This certificate program is **not** equivalent to any program that leads to a teaching credential. A total of 24 units is required, including 20 units in the required core and 4 in electives, with a minimum B (3.0) grade point average. All Philosophy courses except PHIL 580 and 581 are applicable to the Master of Arts in Philosophy. Typically, no more than 25% of course work for the certificate may be transferred from another program. Refer to the Graduate and Post-Baccalaureate Studies: General Information section for general regulations governing all certificate programs.

## Requirements for the Certificate (24 units)

### Required Core Courses (20 units)

- PHIL 580 - Seminar: Critical Thinking—Models and Strategies (4)
- PHIL 581 - Projects in Teaching Philosophy (1–4) (4)

#### Select three from the following:

- PHIL 404 - Inductive Logic (4)
- PHIL 405 - Symbolic Logic (4)
- PHIL 406 - Advanced Logic (4)
  
- PHIL 460 - Metaphysics (4)
- **or**
- PHIL 470 - Theory of Knowledge (4)
  
- PHIL 480 - Philosophy of Language (4)
- PHIL 485 - Philosophy of Science (4)

### Electives (4 units)

In consultation with an adviser, select one 400 or 500-level philosophy course or seminar or COMS 576 Seminar: Argumentation, Discussion, and Debate (4)

Students who are interested in teaching critical thinking courses in areas other than philosophy may substitute appropriate courses with adviser approval.

## U.S. Department of Education Gainful Employment Disclosure

**Program:** Teaching Critical Thinking

**Occupations that this certificate program prepares students to enter:**

- Secondary Teacher; SOC Code 25-2030;

[www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00)

- English Language and Literature Teachers, Post-Secondary; SOC Code 25-1123;

[www.onetonline.org/link/summary/25-1123.00](http://www.onetonline.org/link/summary/25-1123.00)

- Adult Basic and Secondary Education and Literacy Teachers and Instructors ; SOC Code 25-3011;

[www.onetonline.org/link/summary/25-3011.00](http://www.onetonline.org/link/summary/25-3011.00)

- Self-Enrichment Education Teachers; SOC Code 25-3021;

[www.onetonline.org/link/summary/25-3021.00](http://www.onetonline.org/link/summary/25-3021.00)

- Miscellaneous Teachers and Instructors; SOC Code 25-3090;

[www.onetonline.org/find/quick?s=25-3090](http://www.onetonline.org/find/quick?s=25-3090)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Department of Television, Film, & Media Studies



### DEPARTMENT OFFICE

Music 107 until Fall 2011, *then TV, Film and Media Studies Building, first floor*

Phone: (323) 343-5425

Website: <http://www.calstatela.edu/academic/tvf/>

The Department of Television, Film, & Media Studies offers undergraduate programs leading to a Bachelor of Arts degree in Television, Film and Media Studies. The department also offers graduate programs leading to a Master of Arts degree in Communication Studies with an option in Telecommunications and Film and jointly with the Department of Music, Theatre, and Dance, a graduate program leading to the Master of Fine Arts degree in Television, Film and Theatre.

### The Faculty

**Professors:** Laura Chey Acuña, Alan J. Bloom, , Steven Classen, Kelly Madison, John J. Ramirez, Suzanne E. Regan (Chair), Robert Vianello.

**Associate Professors:** Jon Beaupré, Enrique Berumen, Anthony Cox, Kristiina Hackel, Blake Jackson, Bridget Murnane.

**Assistant Professors:** Jane McKeever.

**Emeriti:** Robert E. Blackmon, Irvin Borders, Ivan N. Cury.

### MFA Projects

MFA students are required to complete three MFA projects under the rubrics of TVFT 546A, TVFT 546B and TVFT 599, with TVFT 599 being the MFA Culmination Project. These three projects must include one in each of the following categories: theatre, multi-camera television, and film style production.

1. Written Project Proposals: After Advancement to Candidacy, Projects I, II, and Culmination Project are developed under the guidance of the candidate's project committee. All candidates must submit a written proposal for each project to be approved by respective committees and department chair.
2. Exhibition: Upon the committee approval of the completed work, all Projects will be -appropriately exhibited in accordance with departmental and University requirements.

Students should consult the "Guide to Preparation of Masters Theses and Project Reports" <http://www.calstatela.edu/library/guides/thesbk.htm> for specific information regarding requirements established by the University for the production and exhibition of project reports.

## Programs for this Department

### Undergraduate Major

- Television, Film and Media Studies, B.A.

### Graduate Major

- Communication Studies, M.A.
- Television, Film and Theatre, M.F.A.



## Television, Film and Media Studies, B.A.



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The program leading to the Bachelor of Arts degree with a major in Television, Film and Media Studies emphasizes both theoretical understanding and practical application of the mass media of communication in contemporary society. This major offers two interdisciplinary options: Broadcast Journalism, and Television and Film. It is the primary objective of our curriculum to help develop a knowledgeable and artistically skilled graduate who will be able to pursue an advanced degree and/or a professional career in radio, television, animation, cinema, and/or mass communication research. The program emphasizes the importance of the media in constructing awareness of the multi-cultural composition of society, as well as the media's impact on all aspects of human interaction.

The total number of units required for the Bachelor of Arts degree in Television, Film and Media Studies is 180 units, of which 88-98 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (88–98 units)

Students should plan their programs with careful attention to prerequisites for upper division courses.

#### Core Requirements (28 units)

##### Lower Division Required Courses (20 units)

- TVF 200 - Introduction to Single Camera and Editing (4)
- TVF 201 - Introduction to Television Studio Production (4)
- TVF 220 - Introduction to Broadcasting (4)
- TVF 224 - Survey of Film (4)
- TVF 265 - Introduction to Scriptwriting (4)

##### Upper Division Required Courses (8 units)

- COMM 300 - Applied Writing in Communication Studies (4)
- TVF 420 - Responsibility and Regulation in Broadcasting and Film (4)

### Options

#### Broadcast Journalism Option (60 units)

##### Lower Division Option Requirements (12 units)

- TVF 249 - Announcing (4)
- TVF 292 - Introduction to News Writing and Reporting (4)
- COMM 267 - Introduction to Oral Interpretation (4)

##### Upper Division Option Requirements (40-44 units)

- TVF 301 - Intermediate Television Studio Production (4)
- TVF 320 - Audio Production (4)
- TVF 330 - The Documentary in Broadcasting and Film (4)
- TVF 430 - Documentary Field Production (4)
- TVF 460 - Theories in Mass Communication (4)
- TVF 475 - Television News/Magazine Production (4) (4,4)
- JOUR 391 - University Times (4) (4-8)
- TVF 480 - New Media Technologies (4)
- JOUR 492 - Radio and Television News Writing (4)

##### Electives (4-8 units)

Select from the following courses, or upper division courses in related fields, with adviser approval.

- TVF 303A - Introduction to Digital Graphics for Film and Television (2)
- TVF 303B - Introduction to Television Digital Post Production (2)
- TVF 328 - Film History (4)
- TVF 354L - Selected Studies in Broadcasting Production (1–4) (1-8)
- TVF 362 - Film and Television Aesthetics (4)
- TVF 370 - Broadcasting and Film as Shapers of the Public Mind (4)

- JOUR 391 - University Times (4)
- TVF 398 - Cooperative Education (1–8)
- TVF 403A - Advanced Digital Graphics for Film and Television (4)
- TVF 403B - Advanced Television Digital Post Production (4)
- ENGL 406 - Writing Nonfiction (4)
- TVF 424 - Crosscultural Broadcasting and Film (4)
- TVF 440 - Noncommercial Broadcasting and Film (4)
- TVF 453 - International Communication Media (4)
- TVF 454 - Selected Studies in Broadcasting (1–4) (4-12)
- TVF 454L - Selected Studies in Production (4) (4-12)
- TVF 470 - Administration and Studio Operations in Broadcasting and Film (4)
- TVF 499 - Undergraduate Directed Study (2–4) (1-8)

## Television and Film Option (60 units)

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### Upper Division Option Requirements (20 units)

- TVF 301 - Intermediate Television Studio Production (4)
- TVF 328 - Film History (4)
- TVF 362 - Film and Television Aesthetics (4)
- TVF 460 - Theories in Mass Communication (4)
- TVF 462 - Criticism of and Film and Television (4)

### Advanced Production Requirement (16 units)

Select from the following:

- TVF 320 - Audio Production (4)
- TVF 365 - Intermediate Scriptwriting (4)
- TVF 377 - Introduction to Animation (4)
- TVF 397 - Cinematography (4)
- TVF 401 - Advanced Video Production (4)
- TVF 403A - Advanced Digital Graphics for Film and Television (4)
- TVF 403B - Advanced Television Digital Post Production (4)
- TVF 403C - Advanced Film Digital Post Production (4)
- TVF 430 - Documentary Field Production (4)
- TVF 454L - Selected Studies in Production (4) (4-12)
- TVF 465 - Seminar: Advanced Scriptwriting (4) (4-8)
- TVF 475 - Television News/Magazine Production (4) (4-8)
- TVF 492A - Motion Picture Preproduction (4)
- TVF 492B - Motion Picture Production (4)
- TVF 492C - Motion Picture Postproduction (4)
- TVF 497 - Film and Video Production Portfolio (4)

### Critical Studies Requirement (16 units)

Select from the following:

- TVF 330 - The Documentary in Broadcasting and Film (4)
- TVF 370 - Broadcasting and Film as Shapers of the Public Mind (4)
- TVF 410 - Contemporary Radio Broadcasting (4)
- TVF 411 - Children's Media (4)
- TVF 424 - Crosscultural Broadcasting and Film (4)
- TVF 440 - Noncommercial Broadcasting and Film (4)
- TVF 453 - International Communication Media (4)
- TVF 454 - Selected Studies in Broadcasting (1–4) (4-12)
- TVF 480 - New Media Technologies (4)

### Electives (8 units)

Select any upper division courses in Television, Film and Media Studies beyond those taken to meet option core and upper division production and critical studies requirements. Other upper division courses in related fields may be selected with adviser approval.



# Television, Film and Theatre, M.F.A.



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## Curriculum Summary

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The MFA is a terminal degree that prepares students for diverse professional and academic programs. In particular, the CSULA MFA in Television, Film and Theatre will prepare students for careers in performance/acting, production, and dramatic writing in the television, film and theatre industries. The MFA, along with extensive professional experience, also serves to prepare students to teach in these fields.

The CSULA MFA in Television, Film and Theatre will offer three formal options:

**Option 1: Performance / Acting:** Students in this option will have the opportunity to perform in numerous venues prior to completing their degree. The Performance /Acting Option will include classes and workshops in performance theory, performance history, theories of acting for the stage, television and film; as well as courses designed to inform students of current industry practices and procedures.

**Option 2: Production:** The option will include classes, and practicum in all related media through all stages of production. Students in the Production Option will benefit from visiting guest artists, from the Film/Television production and Theatre faculty who continue to work in their professions, and from regularly scheduled graduate student Project I, Project II and Culmination project screening events or staged productions.

**Option 3: Dramatic Writing:** Students in this option will have the opportunity to write across television, film, and stage. In collaboration with students in the Performance and Production Options, students in the Dramatic Writing option will engage the full scope of television, film and stage production as relates to the art and craft of dramatic writing. Also in collaboration with students in the Performance and Production Options, students in the Dramatic Writing Option will have the opportunity to see their works produced in theatrical/telecast/film exhibition.

**Option Requirements:** The graduate program consists of a total of 88 units, with a minimum of 44 units in core courses and at least 44 units in one of the three options. Students must meet the requirements of the designated option. Graduate advisers must be consulted regarding specific option requirements.

Within the selected Option of Performance/Acting, Production or Dramatic Writing, each student will engage three projects, one each in television, film and theatre.

**The MFA in Television Film and Theatre has the following objectives:**

- To establish and foster a unique, interdisciplinary approach to production, performance and dramatic writing;
- To prepare students for careers in production, performance and dramatic writing by emphasizing technical proficiency and creative artistry within and across television, film and theatre;
- To provide students in performance, production and dramatic writing career options with the intellectual and historical backgrounds central to their development as media artists and scholars;
- To provide the technical and academic expertise essential to prepare future faculty in this terminal degree program;
- To provide CSULA's uniquely diverse student body with opportunities for advanced coursework in production, performance and dramatic writing.

## Admission:

### 1. Admission to the graduate program at California State University, Los Angeles requires:

- a. completion of a four-year college course of study and an acceptable baccalaureate from an institution accredited by a regional accrediting association, or completion of an equivalent academic preparation as determined by the appropriate campus authorities.
- b. good academic standing at the last college or university attended.
- c. attainment of a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted.

### 2. Admission to the MFA program jointly sponsored by the Department of Communication Studies and the Department of Theatre Arts and Dance further requires:

- a. A 3.0 grade point average in the last 60 semester (90 quarter) units for unconditional acceptance with an articulated plan of study submitted for consideration along with a department based application form.
- b. Submission of a portfolio of creative work and performance programs which may include production stills/film/video clips, stage plays, screenplays or television scripts.
- c. A statement of the applicant's academic and professional objectives in the MFA.
- d. Two letters of recommendation on applicant's potential for success.
- e. Transcripts from all institutions of higher education or professional schools attended.
- f. Interviews will be required of all candidates.
- g. Students applying for the Performance Option will be required to audition using two contrasting monologues - four minutes in length.

### 3. Students may be eligible for admission under a conditional academic program that would entail required foundational course work

evaluated and designated by a faculty advisor preceding the formal entry into the MFA (see below).

4. In order to advance in the program the student must maintain continuing student status, successfully complete all courses with a B or better average in courses attempted with an overall G.P.A. of at least 3.0 and complete an advancement to candidacy evaluation process after completing 16 units. Only students who are advanced to candidacy are eligible to enroll in Project I, II and Culmination Project units.

*NOTE: Students must successfully pass an annual review (at the end of years one and two of their program; roughly set at 35 units and 64 units). The review committee will consist of at least three faculty members, one from each of the three Options who will evaluate the quality of the student's progress based on a submitted portfolio of work by the student, grades and observations of the student's ongoing work and involvement in the program.*

## Conditional Programs

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Because it is unlikely that students will enter this MFA program with backgrounds that combine media studies and theatre, unique conditional programs have been developed to address possible foundational deficiencies in both areas.

1.

The 20 unit conditional program for prospective MFA students entering the Performance Option without a BA majoring in Theatre Arts or an adequate background in performance.

- TAD 132 - Stagecraft II (3)
- TA 142 - Acting Fundamentals: Character Study (3)
- TA 143 - Acting Fundamentals: Scene Study (3)
  
- TA 276 - Introduction to Play Writing (4) **also listed as**
- ENGL 276 - Introduction to Play Writing (4)
  
- TA 313 - Development of World Theatre III (4)
- TA 445 - Principles of Directing I (3)

2.

The 20 unit conditional program for MFA students entering the Production Option without a BA majoring in Film I Television or lacking an adequate background in production.

- TVF 200 - Introduction to Single Camera and Editing (4)
- TVF 201 - Introduction to Television Studio Production (4)
- TVF 224 - Survey of Film (4)
- TVF 301 - Intermediate Television Studio Production (4)
- TVF 320 - Audio Production (4)

3.

The 20 unit conditional program for MFA students entering the Dramatic Writing Option without a BA majoring in Film / Television or lacking an adequate background in dramatic writing.

- TVF 200 - Introduction to Single Camera and Editing (4)
- TVF 224 - Survey of Film (4)
- TVF 265 - Introduction to Scriptwriting (4)
- TVF 365 - Intermediate Scriptwriting (4)
- TVF 465 - Seminar: Advanced Scriptwriting (4)

## Requirements for the Degree

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### (88 units)

A total of 88 units are required, with a minimum of 44 units of core courses, a minimum of 44 units in a particular option, including at least 60 units in 500-level courses. All students are required to complete three projects (TVFT 546A & B , and TVFT 599 ). Consultation with a graduate adviser is required for development and approval of a graduate program, which includes the following:

#### Required Core Courses (36 units)

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- TVFT 500 - Introduction to the Production / Performance Master of Fine Arts in Television, Film and Theatre (2)
- TVFT 502 - Directing (4)
- TVFT 503A - Dramatic Structure I: Theatre (4)
- TVFT 503B - Dramatics Structure II: Film (4)
- TVFT 503C - Dramatic Structure III: Television (4)
  
- COMS 508 - Media Arts, Theatre & Society (4) **also listed as**
- TVFT 508 - Media Arts, Theatre and Society (4)
  
- TVFT 510 - Studio and Field Operations (4)
- TVFT 511 - Stage Operations (4)
- TVFT 580 - Collaboration Workshop (2)
- TVFT 581 - Entertainment Arts Internship (2)

#### Elective Core Courses (8 units)

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Select two course from the following:

*\*Enrollment in TA 541 requires permission from Director of Graduate Studies Theatre Arts and Dance.*

- COMS 505 - Seminar: Media Theory and Criticism (4)
- COMS 506 - Seminar: Television Studies (4)
- COMS 507 - Seminar: Post World War II Film and Television History (4)
- \* TA 541 - Seminar: Theories of Acting (4)
- TAD 570 - Seminar: Experimental Theatre Performance (4)

## Options

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### Performance/Acting Option (44 units)

Required Courses (28 units)

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- TVFT 517 - Acting for the Stage (3)
- TVFT 518 - Acting for Television (3)
- TVFT 519 - Acting for Film (3)
- TVFT 542 - Acting Studio (3)
- TVFT 543A - Voice for Performers I (2)
- TVFT 543B - Voice for Performers II (2)
- TVFT 543C - Voice for Performers III (2)
- TVFT 544A - Movement for Performers I (2)
- TVFT 544B - Movement for Performers II (2)
- TVFT 544C - Movement for Performers III (2)
- TVFT 563 - The Business of Acting (4)

Performance Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first Fall quarter of Assistantship.

Project Requirements (8 units): All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

### Production Option (44 units)

Required Courses (28 units)

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- TVFT 521 - Directing for the Stage (4)
- TVFT 522 - Single Camera Directing and Producing (4)
- TVFT 523 - Multiple Camera Television Production (4)
- TVFT 531A - Motion Picture Pre Production/Production (4)
- TVFT 531B - Motion Picture Production/ Post Production (4)
- TVFT 533 - Advanced Problems in Multiple Camera Television Production (4)
- TVFT 579 - The Business of Production (4)

Production Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first fall quarter of Assistantship.

Project Requirements (8 units)

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All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

### Dramatic Writing (44 units)

Required Courses (28 units)

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- TVFT 545 - Scene Writing Lab (2)
- TVFT 547 - Story Development (4)
- TVFT 548 - Creating Characters and Writing Dialogue (4)
- TVFT 549 - Playwriting (4)

- TVFT 550 - Genre Writing (4)
- TVFT 551 - TV Sitcom Writing (4)
- TVFT 552 - The Business of Writing (4)
- TVFT 553 - Pitching Workshop (2)

#### Writing Electives (8 units)

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Electives should be chosen in consultation with an advisor from available 500-level courses. Students are also encouraged to take elective courses in the other options. Graduate Teaching Assistant recipients must take COMM 491 in their first Fall quarter of Assistantship.

#### Project Requirements (8 units)

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All students are required to complete three projects:

- TVFT 546A - MFA Project I (2)
- TVFT 546B - MFA Project II (2)
- TVFT 599 - MFA Culmination Project (4)

#### MFA Projects

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MFA students are required to complete three MFA projects under the rubrics of TVFT 546 A, TVFT 546 B and TVFT 599, with TVFT 599 being the MFA Culmination Project. These three projects must include one in each of the following categories: theatre, multi-camera television, and film style production.

1. Written Project Proposals: After Advancement to Candidacy, Projects I, II, and Culmination Project are developed under the guidance of the candidate's project committee. All candidates must submit a written proposal for each project to be approved by respective committees and department chair.
2. Exhibition: Upon the committee approval of the completed work, all Projects will be -appropriately exhibited in accordance with departmental and University requirements.

Students should consult the "Guide to Preparation of Masters Theses and Project Reports" <http://www.calstatela.edu/library/guides/thesbk.htm> for specific information regarding requirements established by the University for the production and exhibition of project reports.

## College of Business and Economics



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### OFFICE OF THE DEAN

Simpson Tower F124

Phone: (323) 343-2800

E-mail: [sbergst@calstatela.edu](mailto:sbergst@calstatela.edu)

Website: <http://cbe.calstatela.edu>

### COLLEGE OF BUSINESS AND ECONOMICS ADVISEMENT CENTER

Salazar Hall C256B

Phone: (323) 343-2810 undergraduate

(323) 343-5156 graduate

Fax: (323) 343-5480

E-mail: [lwong@cslanet.calstatela.edu](mailto:lwong@cslanet.calstatela.edu)

## Administrators:

**Dean:** James A. Goodrich, Dean

**Associate Dean:** Edward W. T. Hsieh (Acting)

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The major role of the College of Business and Economics is to equip men and women with the intellectual and professional tools needed to assume responsible positions in business, industry, education, government, and social service organizations. The preparation offered includes a basic understanding of the entire social, economic, and physical environment of the urban community, of which business institutions are an integral part. Further, the College provides a substantial theoretical and technical background in the underlying fields of knowledge dealing specifically with functional areas in business.

The College of Business and Economics offers undergraduate degree programs in Business Administration, Computer Information Systems, and Economics, as well as several minors and credit certificate programs. Graduate programs are described on the next page.

## Accreditation

The College of Business and Economics is nationally accredited, at both graduate and undergraduate levels, by AACSB - the Association to Advance Collegiate Schools of Business.

Office of Publications (***Business Forum***)

The Publications Office produces all college publications including annual reports, alumni newsletters, various pamphlets and brochures, working papers, and news releases.

The College of Business and Economics' Publications Office publishes a quarterly, refereed journal, ***Business Forum***. The journal is directed to an international reading audience of scholars, business executives, and public administrators, and includes articles by representatives from the academic, government, and business sectors. ***Business Forum*** is the keystone of the college's effort to achieve effective two-way communication between business and Cal State L.A.

All departmental and program information will be found in the corresponding section under ***Academic Programs: Department, Division, School, and Interdisciplinary Program-based***.

## The Faculty

**College Emeriti Faculty:** Nancy J. Billett, Charles J. Inacker, MaryLynne Knutson.

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## Undergraduate Programs

The College offers undergraduate programs leading to bachelor's degrees in Business Administration, Computer Information Systems, and Economics and minors in Accounting, Basic Business, Computer Information Systems, Economics, Finance, and Management. Several credit certificate programs are offered, also. *Students are required to complete lower division major and minor courses before taking upper division courses.*

The Bachelor of Arts Degree in Economics prepares students to qualify for positions in business and government. Specific areas include finance, labor, transportation, international trade, banking, and regulatory agencies. See the Department of Economics and Statistics section for further information.

The Bachelor of Science Degree in Computer Information Systems prepares students for careers as information systems professionals and provides the specialized knowledge needed for professional employment in an enterprise-level information systems department in all size organizations. See the Department of Information Systems section for further information.

## Graduate and Postbaccalaureate Programs

The college offers programs leading to master's degrees in six fields.

The Master of Science degree in Accountancy , for holders of a baccalaureate, is designed to provide specific professional preparation in the following options: Accounting Information Systems, Financial and Public Accounting, and Managerial and Cost Accounting. See the Department of Accounting section for further information.

The Master of Science degree in Business Administration Is designed for students who know that they want to specialize, and do research, in one of the following options: Finance, International Business, Management, or Marketing. A master's degree thesis, which involves original research, is an essential part of the program, which makes this degree ideal for students planning for positions in business with heavy emphasis on research and writing or for admission to a doctoral program. In addition to completing specified courses, students are expected to develop close working relationships with individual faculty members, which leads to the selection, approval, and supervision of a thesis research topic. See the Finance, International Business, Management, and Marketing sections for further information.

The Master of Science degree in Information Systems, meets the advanced education needs of IS professionals whose career goals are primarily professional, rather than the MBA's managerial goals See the Department of Information Systems section for further information.

The Master of Business Administration (MBA) degree offers professional preparation for management positions in business and industry. It is designed for holders of a baccalaureate in other academic fields as well as in business. See the section on Interdisciplinary Business Programs for more information.

The Master of Arts degree in Economics provides students the opportunity for advanced study of economic theory and research, in preparation for careers in industry, government, and education, or for further graduate study. See the Department of Economics and Statistics section for more information.

The Master of Science degree in Health Care Management is designed to prepare people in the health care industry to meet the increasing demands place on middleand upper-level managers in large metropolitan health care facilities. The program goal is achieved through interdisciplinary courses primarily in the College of Business and Economics and the College of Health and Human Services. For more information, see the Department of Management section.

## Programs for this School/College:

### Undergraduate Major

- Business Administration, B.S.

## Business Administration, B.S.


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A total of 180 units is required for the Bachelor of Science degree in Business Administration, of which 100-108 units are in the major. All degree candidates must complete 72 units in courses outside the College of Business and Economics.

### Requirements for the Major (100-108 units)

All options require a common core of 72 units of lower and upper division courses in the College of Business and Economics. In addition, each student with upper division standing completes one of the following options:

Option	Department or Program
Accounting	Dept. of Accounting
Business Arts–Prelegal	Dept. of Finance and Law
Business Economics	Dept. of Economics and Statistics
Entrepreneurship	Prog. in Entrepreneurship
Finance	Dept. of Finance and Law
Human Resources Mgmt	Dept. of Management
International Business	Prog. in International Business
Management	Dept of Management
Marketing Management	Dept. of Marketing
Operations Mgmt	Dept. of Management
Real Estate	Dept. of Finance and Law
Retailing	Department of Marketing
Special Business	Interdisciplinary Progs. in Business

### Core Requirements (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following as specified by the student's option:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### **Discipline Skills Requirement**

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In addition, all students must complete a 4-unit skills course specified by their option.

### **Options (28–36 units, including a 4-unit skills course)**

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All departmental and program information will be found in the corresponding section on the Academic Programs page.

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## Department of Accounting

### DEPARTMENT OFFICE

Simpson Tower F517

Phone: (323) 343-2830

E-mail: [msantiste@clsanet.calstatela.edu](mailto:msantiste@clsanet.calstatela.edu)

Website: <http://cbe.calstatela.edu>

The Department of Accounting offers an undergraduate option in Accounting for the Bachelor of Science degree in Business Administration, a minor in Accounting, a certificate program in Accounting, a graduate option in Accounting for the Master of Business Administration (MBA) degree and a Master of Science (MS) degree in Accountancy. Students who are pursuing the various programs prepare for careers in public accounting, serving clients professionally in the areas of financial accounting, cost accounting, auditing, taxes, and systems, or managerial accounting dealing with the functions of the controller in business, industry and government. The MS degree in Accountancy also prepares students for doctoral study or research positions. The Department of Accounting is one of the largest academic departments in the University. Graduates of its various programs hold positions of prominence in major accounting organizations.

## The Faculty

**Professors:** Cheryl A. Cruz, Rafik Elias, Kathryn A. Hansen (Chair), Rick Stephan Hayes, Marianne L. James, Neung-Jip Kim, J. Gregory Kunkel , Dong-Woo Lee, Leslie Jane Park.

**Associate Professors:** El-Hussein El-Masry, Haihong He, David Hossain, Richard Tinwah Lau, Edward L. Monsour.

**Assistant Professors:**

**Emeriti:** Adnan M. Abdeen, Emily C. Chang, Joanne A. Collins, Jim D. Donohoo, Leonard W. Hein, Chor Tin Lau, Peter P. Lockett, Frederic E. Mints, Dennis M. Murphy, Ronald L. Pierce, D. Lynn Rans, William B. Schneider, Ralph S. Spanswick, Alvin E. Tuohino, Hugh E. Warren, Robert G. Zahary.

## Programs for this Department

### Undergraduate Major

- Business Administration: Option in Accounting, B.S.

### Undergraduate Minor

- Accounting Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Accounting

### Graduate Major

- Accountancy, M.S.

## Business Administration: Option in Accounting, B.S.

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A total of 186 units are required for the Bachelor of Science degree in Business Administration with the Accounting option. This option prepares students for careers in either *Public Accounting*, serving clients professionally in the areas of financial accounting, cost accounting, auditing, taxes and systems; or *Managerial Accounting*, dealing with the functions of the controller in a business firm, or an institutional or governmental agency; or internal auditing. All degree candidates must complete 78 units in courses outside the College of Business and Economics. See the Undergraduate Studies: General Information for details concerning these other units. The Business Administration major with an option in Accounting requires completion of 72 units in core courses and 36 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Accounting (36 units)

#### Required Courses (28 units)

- ACCT 320A - Intermediate Financial Accounting and Reporting I (4)
- ACCT 320B - Intermediate Financial Accounting and Reporting II (4)
- ACCT 321 - Taxation of Individuals (4)
- ACCT 322 - Cost Accounting (4)
- ACCT 325 - Leadership and Professional Skills for Accountants (4)
- ACCT 424A - Accounting Information Systems (4)
- ACCT 495 - Case Studies in Accounting (4)

#### Electives (8 units)

Select 8 units from the following:

- ACCT 420 - Advanced Financial Accounting and Reporting (4)
- ACCT 421A - Taxation of Corporations and Partnerships (4)
- ACCT 421C - State and Local Taxation (4)
- ACCT 424B - Auditing (4)
- ACCT 425 - International Accounting (4)
- ACCT 427 - Governmental and Institutional Accounting (4)
- ACCT 428A - Internal Auditing I (4)

- ACCT 435 - Forensic Accounting (4)
- ACCT 454 - Special Topics in Accounting (1–4) (4)

## Program Standards

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Note the following accounting program standards.

### Part I.

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To enroll in upper division accounting courses (except ACCT 320AB), undergraduate students must have:

1)

Completed the following courses:

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- ACCT 320A - Intermediate Financial Accounting and Reporting I (4)
- ACCT 320B - Intermediate Financial Accounting and Reporting II (4)
- BUS 305 - Business Communications (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)
- FIN 303 - Business Finance (4)

2)

Followed procedures specified by the Department of Accounting in the quarter preceding enrollment in the first upper division accounting course (except 320AB).

### Part II.

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Students in the accounting option *must earn a grade of C or higher in all accounting courses* and pass at least sixteen units in upper division accounting classes at Cal State L.A.

## Accounting Minor



A minor in Accounting is available for students majoring in other fields. Twenty-four units are required. Minimum C grades are required in all accounting courses taken to complete the minor program. A minimum of 12 units of upper division accounting courses must be taken in residence at California State University, Los Angeles. The minor will be noted on the transcript if the minor requirements are completed by the time all degree requirements are met.

### Requirements for the Minor (24 units)

#### Required Courses (20 units)

- ACCT 202 - Survey of Accounting (4)  
or
- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)  
*(for ACCT 210 and 211, a maximum of 4 units to count towards 20 required units)*
- ACCT 310 - Accounting Information for Decision Making (4)
- ACCT 320A - Intermediate Financial Accounting and Reporting I (4)
- ACCT 320B - Intermediate Financial Accounting and Reporting II (4)
- ACCT 424A - Accounting Information Systems (4)

#### Electives (4 units)

Select 4 units of upper division accounting courses from the following, in consultation with a Department of Accounting adviser:

- ACCT 321 - Taxation of Individuals (4)
- ACCT 322 - Cost Accounting (4)
- ACCT 420 - Advanced Financial Accounting and Reporting (4)
- ACCT 427 - Governmental and Institutional Accounting (4)

#### Note:

*Upon completion of ACCT 320B, students must consult with a Department of Accounting adviser to secure a permit, which is required to enroll in the remaining 8 units of accounting course work, ACCT 424A and a 4-unit elective.*



# Undergraduate Certificate Program in Accounting



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The Accounting Department offers an undergraduate credit certificate in Accounting, designed to prepare individuals who hold, or are pursuing, a bachelor's degree in a field other than accounting for entry into the accounting profession.

## Prerequisites (28 units)

Admission to the University with a bachelor's degree in a field other than accounting or as an undergraduate majoring in a field other than accounting;

Completion of the lower division Business Administration core courses listed below with a minimum 2.5 grade point average.

Submission of transcripts or official grade reports for the following courses to the Department of Accounting for evaluation.

A minimum of 48 units, a minimum 2.5 grade point average, and minimum C grades in all accounting courses are required for completion of the program. Refer to the Undergraduate Studies: General Information section for general regulations governing all certificate programs.

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

## Requirements for the Certificate (48 units)

### Required Courses (40 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- ACCT 320A - Intermediate Financial Accounting and Reporting I (4)
- ACCT 320B - Intermediate Financial Accounting and Reporting II (4)
- ACCT 321 - Taxation of Individuals (4)
- ACCT 322 - Cost Accounting (4)
- ACCT 325 - Leadership and Professional Skills for Accountants (4)
- ACCT 424A - Accounting Information Systems (4)
- ACCT 495 - Case Studies in Accounting (4)
- BUS 305 - Business Communications (4)
- FIN 303 - Business Finance (4)

### Electives (8 units)

Select 8 units from the following:

- ACCT 420 - Advanced Financial Accounting and Reporting (4)
- ACCT 421A - Taxation of Corporations and Partnerships (4)
- ACCT 421C - State and Local Taxation (4)
- ACCT 424B - Auditing (4)
- ACCT 427 - Governmental and Institutional Accounting (4)
- ACCT 428A - Internal Auditing I (4)
- FIN 305 - Legal and Regulatory Environment of Business II (4)

## U.S. Department of Education Gainful Employment Disclosure

**Program:** Accounting

**Occupations that this certificate program prepares students to enter:**

- Accountant; SOC Code 13-2011;

[www.onetonline.org/link/summary/13-2011.01](http://www.onetonline.org/link/summary/13-2011.01)

- Budget Analyst; SOC Code 13-2031;

[www.onetonline.org/link/summary/13-2031.00](http://www.onetonline.org/link/summary/13-2031.00)

- Tax examiners and Collectors, and Revenue Agents; SOC Code 13-2081;

[www.onetonline.org/link/summary/13-2081.00](http://www.onetonline.org/link/summary/13-2081.00)

- Tax preparers; SOC Code 13-2082;

www.onetonline.org/link/summary/13-2082.00

**On-time graduation rate for students completing this program:**

100%

**Costs of Attendance for the entire normal duration (six quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$11,152

Books and Supplies: \$3,276

**Median loan debt incurred by students who completed this certificate program:**

Title IV loans: \$0.00

**Other educational dept (private educational loans and institutional financing):**

\$0.00

**The job placement rate for students completing the program:**

Data not available.

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## Accountancy, M.S.

The M.S. degree in Accountancy prepares students for a wide range of employment opportunities in public accounting, industry and finance, government and nonprofit organizations. The program is designed to produce individuals who are qualified with knowledge and techniques in one or more accounting areas: Accounting Information Systems; Financial and Public Accounting, including auditing and taxation; and Managerial and Cost Accounting. Graduates of the program are prepared to successfully challenge a professional examination for entry into the selected area; committed to professional and career development beyond their formal education into the highest executive levels of the selected area; capable of becoming leaders who exhibit high standards of ethical conduct within the profession; and prepared for doctoral study and research positions.

### Admission to the Program

Applicants must complete 16 units of Foundations of Business courses: CIS 100, ECON 209 or 501, FIN 205 or 500 and BUS 305. In addition, applicants must complete 20 units of Foundations of Accounting courses (ACCT 500, 320AB, 321 and 322) and must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

#### Requirements for the Degree (45 units)

A total of 45 units of 500-level courses are required. All programs must be approved by the department.

##### Required core (24 units)

- ACCT 520 - Management Accounting Theory (4)
- ACCT 524A - Accounting Information Systems (4)
- ACCT 524B - Auditing (4)
- ACCT 525 - Seminar: International Accounting (4)
- ACCT 526 - Seminar: Financial Accounting Theory (4)
- ACCT 595 - Case Studies in Accounting (4)

##### Note:

*Students who have passed ACCT 424A, 424B and 495, or equivalent before admission to the MS Accountancy program are exempted from ACCT 524A, 524B and 595. These students must complete additional 12 units of 500-level courses selected with adviser approval from the option courses listed below.*

##### Options (21 units)

Select *one* of the three options listed below. Elective courses within the options are determined in conference with a graduate adviser to meet professional objectives.

##### A. Accounting Information Systems Option (21 units)

Select 21 units from the following:

- ACCT 523 - Seminar: Public Accounting (4)
- BUS 597 - Graduate Research (1-4) (1)
- CIS 504 - Information Systems (4)
- CIS 527 - Seminar: Decision Support Systems (4)
- CIS 528 - Current Problems in Computer Information Systems (4)
- CIS 543 - Data Base Systems (4)
- CIS 560 - Seminar: Microcomputer Networks (4)
- CIS 583 - Information Systems Consulting (4)
- CIS 584 - Seminar: Controlling and Auditing Computer Systems (4)
- CIS 585 - Communication and Information Services (4)

##### B. Financial and Public Accounting Option (21 units)

Select 21 units from the following:

- ACCT 521A - Taxation of Corporations and Partnerships (4)
- ACCT 522 - Seminar: Current Topics in Financial Reporting (4)
- ACCT 523 - Seminar: Public Accounting (4)
- ACCT 585 - Seminar: Tax Theory and Business Applications (4)
- ACCT 586 - Seminar: Tax Research and Practice (4)

- ACCT 587 - Seminar: Taxation of Corporations and Shareholders (4)
- BUS 597 - Graduate Research (1-4) (1)
- FIN 530 - Seminar: Business Finance (4)
- FIN 533 - Seminar: International Finance (4)
- FIN 598 - Graduate Directed Study (1) (1-2)

**C. Managerial and Cost Accounting Option (21 units)**

Select 21 units from the following:

- ACCT 521A - Taxation of Corporations and Partnerships (4)
- ACCT 585 - Seminar: Tax Theory and Business Applications (4)
- ACCT 587 - Seminar: Taxation of Corporations and Shareholders (4)
- BUS 597 - Graduate Research (1-4) (1)
- CIS 527 - Seminar: Decision Support Systems (4)
- MGMT 576 - Seminar: Managing Health Care Organizations (4)
- MGMT 577 - Seminar: International Business Management (4)
- MGMT 598 - Graduate Directed Study (1) (1-2)

Note:

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*Students who have passed ACCT 421A may not take ACCT 521A.*



## Department of Economics and Statistics

### DEPARTMENT OFFICE

Simpson Tower F917

Phone: (323) 343-2930

E-mail: [dtran@calstatela.edu](mailto:dtran@calstatela.edu)

Website: <http://cbe.calstatela.edu/econ/index.aspx>

The programs of the Department of Economics and Statistics equip students with essential analytical and technical skills needed for business and economic analysis. Depending on the choice of specialization, the broad and solid training in economics is highly marketable for a wide variety of professional jobs such as public policy analysts, consultants, international economists, financial market analysts, investment advisers, business and economic forecasters, social scientists, lawyers, teachers, and educators.

The department offers both Bachelor of Arts (BA) and Master of Arts (MA) degrees in Economics, a minor in Economics, two certificate programs, and a Business Economics option for the Bachelor of Science (BS) degree in Business Administration. The BA program has two options: *Applied Economics* (with possible concentrations in International Economics, Public Policy, and Financial Economics) and *Social and Behavioral Sciences*. The MA program has options in *Global Economics* and *Financial Economics*.

In addition to providing the foundation in economics and statistics needed by all business students, the department prepares those looking for specialized careers in industry and the public sector. In particular, there are programs that prepare students for advanced graduate work in economics and for teaching.

## The Faculty

**Professors:** Li-Hsueh Chen, Miles M. Finney, Edward W. T. Hsieh, Sun K. Kim, Kon S. Lai, Tom E. Larson, Madhu S. Mohanty, Stephen K. Pollard, Sunil K. Sapra, Dang T. Tran (*Chair*), Andrew J. Winnick, Mann J. Yoon.

**Associate Professors:** Samantha Carrington, Ramon Castillo, Nikolai Pulchritudoff.

**Assistant Professor:**

**Emeriti:** Giorgio Canarella, Neil H. Garston, Leonard G. Mathy, Donald A. Moore, Eduardo Ochoa, Paul T. Mu.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Business Economics, B.S.

- Economics, B.A.

### Undergraduate Minor

- Economics Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in International Economic Relations
  - Undergraduate Certificate Program in Labor Relations

### Graduate Major

- Economics, M.A.

## Business Administration: Option in Business Economics, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Business Economics Option. The BSBA degree with this option requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements (28 units)

This option teaches students major technical skills and knowledge needed by consulting companies, business corporations, and government agencies for business and economic analyses in a rapidly changing economy.

#### Required Courses (16 units)

- ECON 415 - Applied Economic and Business Forecasting (4)
- ECON 458 - Economics of E-Commerce and the Internet (4)
- \* ECON 491 - Data Analysis, Reporting and Presentation (4)  
*\*ECON 491 is the professional skills course for Economics majors.*

Select one course from the following (which ever was not used in the BSBA core):

- ECON 303 - Money, Banking, and the Economy (4)  
or
- ECON 310 - Managerial Economics (4)

#### Electives (12 units)

Select 4 units of upper division ECON courses and 8 units of other upper division economics or business courses in the College of Business and Economics, with adviser approval.

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## Economics, B.A.



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The total number of units required for the Bachelor of Arts degree in Economics is 180 units, of which 76-84 units are in the major depending on the option selected. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

### Advisement: Department of Economics and Statistics

The Bachelor of Arts degree with a major in Economics prepares students to qualify for positions in business and government. Specific areas include finance, labor, transportation, international trade, banking, and regulatory agencies. A major in economics also provides a foundation for teaching at the college or high school level, and for entrance into graduate school or law school.

Two options are offered: the first emphasizes applied economics, and the second, social and behavioral sciences.

Students pursuing either the major or minor are urged to complete lower division courses before taking upper division courses.

#### Requirements for the Major (76–84 units)

A total of 76-84 units is required for the major, depending on the option selected. All students complete a 20-unit common core of lower and upper division courses in economics and business plus one of the options to complete remaining degree requirements.

#### Core Requirements (20 units)

##### Lower Division Required Courses (12 units)

- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)

##### Upper Division Required Courses (8 units)

- ECON 303 - Money, Banking, and the Economy (4)
- BUS 305 - Business Communications (4)
- **or**
- ENGL 306 - Technical Writing (4)

#### Option Requirements

Students select one of the following two options, comprising 56-64 units, to fulfill requirements for the major.

- Applied Economics
- Social and Behavioral Sciences

##### Option 1: Applied Economics (64 units)

This option provides students with applied, more specialized training in economics. It is recommended for students interested in a career that requires applied business and economics skills.

##### Lower Division Required Courses (12 units)

- ACCT 202 - Survey of Accounting (4)
- CIS 100 - Business Computer Systems (4)
- MATH 206 - Calculus I: Differentiation (4)
- **or**
- MATH 242 - Mathematics for Business and Economics Majors (4)

##### Upper Division Required Courses (24 units)

- ECON 401 - Mathematical Economics (4)
- ECON 403 - Macroeconomics (4)
- ECON 410 - Microeconomics (4)

- ECON 414 - Econometrics I (4)
- ECON 415 - Applied Economic and Business Forecasting (4)
- ECON 491 - Data Analysis, Reporting and Presentation (4)  
(ECON 491 is the capstone course for the program. Students must take ECON 491 after they have achieved senior standing (completed 135 units) and have completed all other required upper division option courses)

### **Elective Field Courses (28 units)**

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Select 16-20 units of courses from one of the following fields, plus 8-12 additional units of upper division economics courses, with adviser approval.

#### **Field 1: International Economics**

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- ECON 426 - International Political Economy (4)
- ECON 460 - Economics of Developing Countries (4)
- ECON 461 - Economics of International Trade (4)
- ECON 462 - International Monetary Economics (4)
- ECON 490 - Issues in the Economics of Globalization (4)

#### **Field 2: Public Policy**

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- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
- ECON 430 - Labor Economics (4)
- ECON 433 - Economics of the Public Sector (4)
- ECON 434 - Environmental Economics (4)
- ECON 440 - Urban and Regional Economics (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)

#### **Field 3: Financial Economics**

---

- ECON 435 - Market Indicators and Federal Reserve Policy (4)
- ECON 462 - International Monetary Economics (4)
- FIN 303 - Business Finance (4)
- FIN 332 - Investments (4)
- FIN 437 - Securities Analysis (4)
- or
- FIN 440 - Futures and Options (4)

#### **Field 4: Open Field**

---

Students may select a customized combination of 28 units of upper division courses in a specific applied area (e.g., urban and regional studies) based on their special interests, with adviser approval.

### **Option 2: Social and Behavioral Sciences (56 units)**

This option serves students with interdisciplinary interests in economics and other areas of social and behavioral sciences: anthropology, geography, history, political science, psychology, sociology, and American, Chicano, Latin American, Pan-African, and urban studies.

#### **Lower Division Required Courses (8 units)**

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- ACCT 202 - Survey of Accounting (4)
- MATH 242 - Mathematics for Business and Economics Majors (4)

#### **Upper Division Required Courses (12 units)**

---

- ECON 309 - Applied Business and Economic Statistics II (4)

#### **Select two from the following:**

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- ECON 310 - Managerial Economics (4)
- ECON 403 - Macroeconomics (4)
- ECON 410 - Microeconomics (4)

### **Electives (36 units)**

#### **Electives on Economics Issues (16 units)**

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Select 16 units from the following:

- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
- ECON 426 - International Political Economy (4)
- ECON 430 - Labor Economics (4)
- ECON 433 - Economics of the Public Sector (4)
- ECON 434 - Environmental Economics (4)
- ECON 440 - Urban and Regional Economics (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)
- ECON 412 - Development of Economic Thought (4)

General Electives (20 units)

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Select 4 upper division units in economics; 8-16 units in other social or behavioral sciences; and 0-8 units in economics, other courses in the College of Business and Economics, or mathematics with adviser approval.

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## Economics Minor

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A minor in Economics is available for students majoring in other fields. A total of 20 units in economics is required, of which 12 units are in upper division courses and taken in residence at Cal State L.A. At least 4 upper division units for the minor program cannot be applied toward a student's major.

### Requirements for the Minor (20 units)

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#### Lower Division Required Courses (8 units)

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- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)

#### Electives (12 units)

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Select upper division ECON courses in consultation with major and minor program advisers. At least 4 units in the minor program cannot be applied toward a student's major, and the elective requirement cannot be satisfied with ECON 499. A list of economics courses that may be used as electives for the minor is available from the Department of Economics and Statistics.

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## Undergraduate Certificate Program in International Economic Relations



The undergraduate credit certificate in International Economic Relations assists students in understanding the economic and political factors that influence the global economy. The certificate is designed for students who intend to pursue a career in a federal or state agency that deals with international affairs, corporations involved in international business and finance, and in international organizations, foundations, and nongovernment agencies.

Refer to the Undergraduate Studies: General Information for general regulations governing all certificate programs.

Select at least 28 units with consent of an adviser, including 16 units in the core and at least 12 units of electives.

### Prerequisite:

Enrollment in a degree program in the College of Business and Economics OR in a degree program in Political Science OR consent of adviser.

#### Required Core Courses (16 units)

- ECON 426 - International Political Economy (4) **also listed as**
- POLS 426 - International Political Economy (4)
  
- ECON 461 - Economics of International Trade (4)
- ECON 462 - International Monetary Economics (4)
  
- POLS 425 - U.S. Foreign Policy in a Changing World (4)
- **or**
- POLS 427 - International Relations (4)

#### Elective Courses (12 units)

##### Select from the following:

- CHIN 380 - Business Chinese (4)
- **or**
- FREN 380 - Commercial French (4)
- **or**
- JAPN 380 - Business Japanese (4)
- **or**
- SPAN 380 - Commercial Spanish (4)
  
- ECON 460 - Economics of Developing Countries (4)
- FIN 431 - Multinational Financial Management (4)
- LAS 424 - The United States and Latin America (4)
  
- LAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4)
  
- MGMT 462 - Comparative Management (4)
- MKT 456 - International Marketing Management (4)
- PAS 416 - Pan Africanism and World Politics (4)
- POLS 450 - European Politics (4)
- **or**
- POLS 451 - Latin American Politics (4)
- **or**
- POLS 452 - Government and Politics of China (4)
- **or**
- POLS 453 - Politics of Africa and the Mid-East (4)
- **or**
- POLS 456 - Politics of the Caribbean and Central America (4)

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# Undergraduate Certificate Program in Labor Relations

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The undergraduate credit certificate program in Labor Relations is designed to strengthen the skills of students interested in labor relations careers and to improve access to career opportunities for administrators, mediators, arbitrators, and government and labor officials.

Refer to the Undergraduate Studies: General Information for general regulations governing all certificate programs.

Select at least 28 units with consent of an adviser.

## Prerequisites:

- Senior standing in a bachelor's degree program in the College of Business and Economics **or**
- Senior standing in a BA degree program in the College of Natural and Social Sciences **or**
- Classified graduate standing in master's degree program in the College of Business and Economics or the College of Natural and Social Sciences **or**
- Senior standing in a BA degree program in the Department of Communication Studies **or**
- Consent of an adviser

## Required Core Courses (16 units)

---

- ECON 430 - Labor Economics (4)
- ECON 473 - Labor Legislation (4)
- HIST 487 - History of U.S. Work and Working People (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)
- MGMT 473 - Strategic Human Resource Management (4)

## Elective Courses (12 units)

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Select from the following:

- ECON 403 - Macroeconomics (4)
- MGMT 474 - Compensation Management (4)



- MGMT 477 - Staffing (4)
- POLS 463 - Public Sector Human Resource Management (4)
- COMM 430 - Dynamics of Organizational Communication (4)

**U.S. Department of Education Gainful Employment Disclosure**

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**Program:** Labor Relations

**Occupations that this certificate program prepares students to enter:**

- Labor Relation Specialist; SOC Code 13-1079;

[www.onetonline.org/link/summary/13-1079.00](http://www.onetonline.org/link/summary/13-1079.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Economics, M.A.

The degree curriculum consists of a core as well as two options: Financial Economics and Global Economics.

The Financial Economics option provides students with essential analytical and technical skills in both economics and financial analyses desired by consulting firms, securities companies, and other related businesses in investment services such as investment banking, mutual funds, and insurance.

The Global Economics option equips students with current knowledge of the global economy, together with investigative and technical skills, for business economic analysis desired by consulting companies, government agencies, multinational business corporations, and international organizations.

### Admission to the Program

In addition to University requirements for admission to graduate study with conditionally classified standing, applicants must have a 2.75 grade point average in the last 90 quarter units attempted, a minimum cumulative score of 900 on the verbal and quantitative sections of the GRE General Test, and a minimum score of 2.5 on the analytical writing portion of the GRE general test.

For admission to classified graduate standing in Economics, applicants must meet the above admission requirements plus the following prerequisites: equivalent of the baccalaureate in Economics at Cal State L. A. or completion with a B (3.0) average of a set of prerequisite courses selected by a Department of Economics and Statistics adviser at Cal State L.A.; filing of a program, including electives, with the College of Business and Economics Advisement Center.

If qualifying courses are required, they must be designated in advance. They may include upper division and prerequisite courses.

#### Requirements for the Degree (45 units)

The 45-unit program consists of core requirements, which are to be taken together with either the Financial Economics or the Global Economics option. A minimum of 23 units must consist of 500-level courses.

##### Core Courses (24 units)

- ECON 401 - Mathematical Economics (4)
- ECON 414 - Econometrics I (4)
- ECON 415 - Applied Economic and Business Forecasting (4)
- ECON 510 - Seminar: Applied Microeconomic Analysis (4)
- ECON 514 - Seminar: Econometric Analysis and Applications (4)
- ECON 520 - Seminar: Macroeconomics and Monetary Policy (4)

##### Options

Students select one of the following options for 16-21 units depending on whether they take a comprehensive examination or write a thesis. Electives are determined in conference with a graduate adviser to meet the professional objectives of students.

- Financial Economics Option
- Global Economics Option

##### Financial Economics Option (16-21 units)

###### Required Courses (12 units)

- FIN 530 - Seminar: Business Finance (4)
- FIN 531 - Seminar: Financial Institutions (4)
- FIN 533 - Seminar: International Finance (4)

###### Electives (4-9 units)

Select from the following:

- ECON 462 - International Monetary Economics (4)
- ECON 521 - Seminar: International Macroeconomics and Currency Crises (4)

- ECON 598 - Graduate Directed Study (1–4) (1)
- FIN 434 - Cases in Financial Management (4)
- FIN 534 - Seminar: Portfolio Management (4)
- FIN 535 - Seminar: Speculative Securities and Markets (4)

**Note:**

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Other 400- and 500-level courses may be used with prior adviser approval. A sufficient number of units must be at the 500 level to bring total 500-level units for core and electives to at least 23. A student may take ECON 598 only once and for no more than one unit. For more information about the culminating experience requirement below, consult the department's graduate adviser.

Culminating Experience (0, 5 units)

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- BUS 596 - Comprehensive Examination (0 units)
- **or**
- ECON 599A - Thesis (2)
- **and**
- ECON 599B - Thesis (3)

**Global Economics Option (16-21 units)**

Required Courses (12 units)

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- ECON 521 - Seminar: International Macroeconomics and Currency Crises (4)
- ECON 560 - Seminar: Current Issues in Economic Development (4)
- ECON 561 - Seminar: International Economics (4)

Electives (4–9 units)

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Select from the following:

- ECON 426 - International Political Economy (4)
- ECON 460 - Economics of Developing Countries (4)
- ECON 461 - Economics of International Trade (4)
- ECON 462 - International Monetary Economics (4)
- ECON 465 - Current Issues in Latin American Economies (4)
- ECON 490 - Issues in the Economics of Globalization (4)
- ECON 526 - Seminar: International Political Economy (4)
- ECON 598 - Graduate Directed Study (1–4) (1)
- FIN 533 - Seminar: International Finance (4)

**Note:**

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Other 400- or 500-level courses may be used with prior adviser approval. A sufficient number of units must be at the 500 level to bring the total 500-level units for core and electives to at least 23. A student may take ECON 598 only once and for no more than one unit. For more information about the culminating experience requirement below, consult the department's graduate adviser.

Culminating Experience (0, 5 units)

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- BUS 596 - Comprehensive Examination (0 units)
- **or**
- ECON 599A - Thesis (2)
- ECON 599B - Thesis (3)

## Department of Finance and Law

### DEPARTMENT OFFICE

Simpson Tower F717

Phone: (323) 343-2870

E-mail: [hfang@calstatela.edu](mailto:hfang@calstatela.edu)

Website: <http://cbe.calstatela.edu>

The Department of Finance and Law offers options in Finance, Real Estate, and Business Arts-Prelegal for the Bachelor of Science degree in Business Administration. These options enable students to prepare for finance, real estate, and legal careers. The department also offers Finance options for both the Master of Science (MS) degree in Business Administration and the Master of Business Administration (MBA) degree, designed to enhance career and advancement opportunities for individuals employed in these fields. In addition, the department offers a credit certificate program in Finance that is designed for students who are majoring in other fields and would benefit from a background in finance.

## The Faculty

**Professors:** Maria Kathleen Boss, Jack S. K. Chang, Hsing Fang (*Chair*), Taewon Kim, Jean Loo, James Refalo, Lifan Wu.

**Associate Professors:** Jong-Hwan Yi.

**Assistant Professor:** Min-Ming Wen.

**Emeriti:** George N. Engler, Edward A. Nelson, Gordon B. Severance, Gary Steele Watson.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Business Arts–Prelegal, B.S.
  - Business Administration: Option in Finance, B.S.
- Business Administration: Option in Real Estate, B.S.

### Undergraduate Minor

- Finance Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Finance

### Graduate Major

- Business Administration: Option in Finance, M.S.

## Business Administration: Option in Business Arts–Prelegal, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Business Arts-Prelegal, Finance and Real Estate Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Business Arts–Prelegal (28 units)

This option enables students to prepare for legal careers by combining business and humanities courses. The objective of this option is to combine a general business education with option electives that suit individual requirements. Option electives may be chosen in the humanities and often include reading and writing skills that are important for postgraduate study of law.

#### Required Courses (8 units)

- FIN 305 - Legal and Regulatory Environment of Business II (4)
- FIN 325 - Essential Skills for Finance Professionals (4)

#### Electives (20 units)

Select 20 units with adviser approval.

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## Business Administration: Option in Finance, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Business Arts- Prelegal, Finance and Real Estate Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Finance (28 units)

This option develops an understanding of modern finance concepts, strategies, and techniques and prepares students for careers in corporate finance, money management, investment banking, commercial banking, and insurance.

#### Required Course (16 units)

- FIN 325 - Essential Skills for Finance Professionals (4)
- FIN 331 - Financial Institutions and Markets (4)
- FIN 332 - Investments (4)
- FIN 434 - Cases in Financial Management (4)

#### Elective (12 units)

Select three courses from the following:

- FIN 335 - Personal Portfolio and Risk Management (4)
- FIN 403 - Intermediate Business Finance (4)
- FIN 431 - Multinational Financial Management (4)
- FIN 437 - Securities Analysis (4)
- FIN 440 - Futures and Options (4)
- FIN 450 - Fixed Income Securities, Analysis and Strategies (4)

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## Business Administration: Option in Real Estate , B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Business Arts- Prelegal, Finance and Real Estate Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Real Estate (28 units)

This option prepares students for careers in real estate, and for real estate licensing examinations. It also prepares students for further study of real estate at the postgraduate level.

#### Required Courses (24 units)

- FIN 325 - Essential Skills for Finance Professionals (4)
- FIN 338 - Real Estate Principles (4)
- FIN 381 - Real Estate Law (4)
- FIN 438 - Real Estate Valuation (4)
- FIN 439 - Real Estate Finance (4)
- FIN 493 - Real Estate Investment (4)

#### Elective (4 units)

Select one course with adviser approval.

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## Finance Minor

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### Requirement for the Minor (20 units)

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#### Required Courses (12 units)

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- FIN 303 - Business Finance (4)
- FIN 331 - Financial Institutions and Markets (4)
- FIN 332 - Investments (4)

#### Electives (8 units)

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Select two courses from the following:

- FIN 305 - Legal and Regulatory Environment of Business II (4)
- FIN 325 - Essential Skills for Finance Professionals (4)
- FIN 335 - Personal Portfolio and Risk Management (4)
- FIN 403 - Intermediate Business Finance (4)
- FIN 431 - Multinational Financial Management (4)
- FIN 434 - Cases in Financial Management (4)
- FIN 437 - Securities Analysis (4)
- FIN 440 - Futures and Options (4)
- FIN 450 - Fixed Income Securities, Analysis and Strategies (4)

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## Undergraduate Certificate Program in Finance

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The Department of Finance and Law offers an undergraduate credit certificate in Finance that is designed to prepare individuals who hold, or are pursuing, a bachelor's degree in a field other than finance for entry into careers in corporate finance, money management, investment banking, and commercial banking. Students must complete the required 28-unit program with a minimum 2.0 (C) grade point average to qualify for the certificate.

Refer to the Undergraduate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Requirements for the Certificate (28 units)

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#### Required courses (24 units)

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- FIN 303 - Business Finance (4)
- FIN 331 - Financial Institutions and Markets (4)
- FIN 332 - Investments (4)
- FIN 403 - Intermediate Business Finance (4)
- FIN 431 - Multinational Financial Management (4)
- FIN 434 - Cases in Financial Management (4)

#### Electives

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Select 4 units from the following:

- FIN 305 - Legal and Regulatory Environment of Business II (4)
- FIN 437 - Securities Analysis (4)
- FIN 440 - Futures and Options (4)

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# Business Administration: Option in Finance, M.S.

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This is a specialized degree program that permits concentration and research in one of several options.

## Admission to the Program

Students must fulfill University requirements for admission to graduate study and must submit a separate graduate program application to the College of Business and Economics. The college admits applicants based on a comprehensive review of their prior education, work experience, GMAT scores, and letters of recommendation. Those without an undergraduate degree in business are required to complete 24 units of Foundations of Business courses listed below for admission to classified graduate standing for the M.S. degree in Business Administration.

The 24-unit requirement can be met either by completing the courses listed below or by submitting transcripts demonstrating that the equivalent subject material has been successfully completed either at the undergraduate or graduate level. In addition, competence must be demonstrated in statistics and the use of computers. The competency requirement can be met by successfully passing competency exams in each area or by submitting transcripts showing that the subject matter has been successfully completed at either the undergraduate or graduate level.

In addition to completing the 24-quarter units of acceptable basic business courses listed below, applicants must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

- ACCT 500 - Financial and Managerial Accounting (4)
- CIS 500 - Information Systems for Management (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

## Requirements for the Degree (45 units)

A total of 45 units is required, with at least 41 units in 500-level courses.

### Required Core (16 units)

- BUS 511 - Managerial Skills and Business Ethics (4)

- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- BUS 516 - Integrative Business Strategy (4)

**Thesis (5 units)**

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- BUS 599A - Thesis (2)
- BUS 599B - Thesis (3)

**Finance Option (24 units)**

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**Required Courses (20 units)**

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- FIN 530 - Seminar: Business Finance (4)
- FIN 531 - Seminar: Financial Institutions (4)
- FIN 533 - Seminar: International Finance (4)
- FIN 534 - Seminar: Portfolio Management (4)
- FIN 535 - Seminar: Speculative Securities and Markets (4)

**Electives (4 units)**

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Select 4 units of 500-level courses with adviser approval.

## Department of Information Systems

### DEPARTMENT OFFICE

Simpson Tower F603

Phone: (323) 343-2983

E-mail: [ahuarng@calstatela.edu](mailto:ahuarng@calstatela.edu)

Website: <http://cbe.calstatela.edu>

The application of information systems and technology in an organization defines the field of study of the Department of Information Systems. The field may be viewed in terms of software, hardware, networking, procedures, and people. The department's responsibility is to educate its students in the various aspects of organizational information systems. The department is engaged in teaching not just the design, development, implementation and operation of information systems, but also the management of such systems. The department prepares its students for both the technical and management demands in this field.

## The Faculty

**Professors:** Mohammad B. Ayati, Carol Blaszczynski, Nandakumar Ganesan (*Acting Chair*), Adam S. Huarng, Ronald S. Lemos, Joseph C. Otto, Parviz Partow-Navid, Adam Reed, Paul Rosenthal, Ludwig Slusky.

**Associate Professors:** Jose Perez-Carballo, David Gadish, Ming Wang, Knox B. Wasley.

**Assistant Professors:** Jongwook Woo, Song Xing.

**Emeriti:** Durward P. Jackson, Robert C. Verkler.

## Programs for this Department:

### Undergraduate Major

- Computer Information Systems, B.S.

### Undergraduate Minor

- Computer Information Systems Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Computer Programming

### Graduate Major

- Information Systems, M.S.

### Graduate Certificate

- Graduate Certificate Program in Advanced Information Systems

# Computer Information Systems, B.S.

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A total of 184 units is required for the Bachelor of Science degree in Computer Information Systems, of which 108 units are in the major. All degree candidates must complete 78 units in courses outside the College of Business and Economics. See Undergraduate Studies: General Information for details concerning these other units. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (108 units)

Two options, Information Systems and Information Technology, are offered in the CIS Major program. Both options require a common core of 88 units of lower and upper division courses in the College of Business and Economics. In addition, each student with upper division standing must select an option.

### Core Requirements (88 units)

#### Lower Division Required Courses (32 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)
- CIS 283 - Introduction to Application Programming with Java (4)

#### Upper Division Required Courses (56 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- CIS 405 - Database Design and Development (4)
- CIS 406 - Systems Analysis and Design (4)
- CIS 410 - Hardware and Software Architecture (4)
- CIS 484 - Communications Systems (4)
- CIS 490 - Capstone: Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MKT 304 - Principles of Marketing (4)

### Options (20 units)

- 
- Information Systems
  - Information Technology

**Option 1: Information Systems (20 units)**

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This option prepares students for careers as information systems professionals in different career fields (such as accounting, marketing, finance, human resources etc.) in which they support personal and organizational computing activities develop and maintain enterprise information systems; or work in information centers. Students in other business disciplines may pursue this option for a dual degree because it requires only a few additional courses.

**Information Systems Electives (8 units)**

Select 8 units from the following list:

- CIS 320 - Data Processing and Analytics (4)
- CIS 361 - Web Design and Development (4)
- CIS 383 - Multimedia and Game Application Programming (4)
- CIS 437 - Security Risk Management and Internal Controls (4)
- CIS 438 - Computer Forensics and Investigations (4)
- CIS 445 - Network Application Development
- CIS 451 - Fundamentals of ERP Technology (4)
- CIS 454 - Special Topics in Computer Information Systems (4) \*\*  
(when applicable)
- CIS 457 - Advanced Java Programming (4)
- CIS 458 - E-business Application Development with Oracle (4)
- CIS 459 - Advanced Information Systems Development (4)
- CIS 472 - Wireless Communications and Networks (4)
- CIS 473 - Network Security Essentials and Practice (4)
- CIS 485 - Local Area Networks (4)
- CIS 486 - Managing Information Systems Projects (4)
- CIS 487 - Decision Support Systems (4)
- CIS 488 - Information Security (4)
- CIS 498 - Cooperative Education in Information Systems (1–4) \*  
(others with adviser approval)

\*Total of CIS 398 and CIS 498 units may not exceed 8 units and must be approved by the adviser

\*\*Total of CIS 454 units may not exceed 8 units.

**Business and Economics or other Electives (12 units)**

Select 12 units of upper division courses from one functional area within the College of Business and Economics from the following list:

(Other functional areas outside of the college of business and economics can be considered with the approval of the advisor.)

ACCT

- ACCT 320A - Intermediate Financial Accounting and Reporting I (4)
- ACCT 320B - Intermediate Financial Accounting and Reporting II (4)
- ACCT 321 - Taxation of Individuals (4)
- ACCT 322 - Cost Accounting (4)
- ACCT 325 - Leadership and Professional Skills for Accountants (4)
- ACCT 420 - Advanced Financial Accounting and Reporting (4)
- ACCT 421A - Taxation of Corporations and Partnerships (4)
- ACCT 421C - State and Local Taxation (4)

- ACCT 424A - Accounting Information Systems (4)
- ACCT 424B - Auditing (4)
- ACCT 425 - International Accounting (4)
- ACCT 427 - Governmental and Institutional Accounting (4)
- ACCT 428A - Internal Auditing I (4)
- ACCT 435 - Forensic Accounting (4)
- ACCT 495 - Case Studies in Accounting (4)

#### ECON

- ECON 401 - Mathematical Economics (4)
- ECON 403 - Macroeconomics (4)
- ECON 410 - Microeconomics (4)
- ECON 412 - Development of Economic Thought (4)
- ECON 414 - Econometrics I (4)
- ECON 415 - Applied Economic and Business Forecasting (4)
- ECON 490 - Issues in the Economics of Globalization (4)
- ECON 426 - International Political Economy (4)
- ECON 460 - Economics of Developing Countries (4)
- ECON 461 - Economics of International Trade (4)
- ECON 462 - International Monetary Economics (4)
- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
- ECON 430 - Labor Economics (4)
- ECON 433 - Economics of the Public Sector (4)
- ECON 434 - Environmental Economics (4)
- ECON 440 - Urban and Regional Economics (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)
- ECON 435 - Market Indicators and Federal Reserve Policy (4)
- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

#### FIN

- FIN 325 - Essential Skills for Finance Professionals (4)
- FIN 331 - Financial Institutions and Markets (4)
- FIN 332 - Investments (4)
- FIN 335 - Personal Portfolio and Risk Management (4)
- FIN 338 - Real Estate Principles (4)
- FIN 381 - Real Estate Law (4)
- FIN 403 - Intermediate Business Finance (4)
- FIN 434 - Cases in Financial Management (4)
- FIN 437 - Securities Analysis (4)
- FIN 438 - Real Estate Valuation (4)
- FIN 439 - Real Estate Finance (4)
- FIN 440 - Futures and Options (4)
- FIN 450 - Fixed Income Securities, Analysis and Strategies (4)
- FIN 493 - Real Estate Investment (4)

#### MGMT

- MGMT 440 - Career Development (4)
- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 461 - Management Theory and Practice (4)
- MGMT 462 - Comparative Management (4)
- MGMT 463 - Process Design and Improvement (4)
- MGMT 464 - Production and Inventory Management (4)
- MGMT 466 - Managerial Innovation (4)
- MGMT 467 - Quality Control (4)
- MGMT 468 - Small Business Management (4)
- MGMT 469 - Training and Development (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 471 - Employment Relations (4)
- MGMT 472 - Supply Chain Management (4)

- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 474 - Compensation Management (4)
- MGMT 475 - Current Topics and Cases in Human Resource Management (4)
- MGMT 477 - Staffing (4)
- MGMT 479 - Seminar: Business in Its Social Setting (4)
- MGMT 481 - International Human Resource Management (4)
- MGMT 484 - Organization Development and Change (4)
- MGMT 485 - Project Management (4)
- MGMT 489 - High Performance Management (4)
- MGMT 490 - Service Management (4)

#### MKT

- MKT 325 - High Performance Professional Skills (4)
- MKT 340 - Principles of Advertising (4)
- MKT 341 - Salesmanship (4)
- MKT 342 - Consumer Behavior (4)
- MKT 344 - Principles of Retailing (4)
- MKT 346 - Marketing of Services (4)
- MKT 349 - Retail Merchandising and Sales Promotion (4)
- MKT 358 - International Business (4)
- MKT 365 - Community Based Social Marketing (4)
- MKT 440 - Advanced Advertising and Promotion (4)
- MKT 442 - Marketing Management (4)
- MKT 443 - Marketing in a New Business (4)
- MKT 446 - Marketing Research (4)
- MKT 447 - Business Consulting (4)
- MKT 448 - Mail Order/Direct Response Marketing (4)
- MKT 453 - Marketing for Nonprofit Organizations (4)
- MKT 454 - Special Topics in Marketing (1–4)
- MKT 455 - Proseminar: International Transportation (4)
- MKT 456 - International Marketing Management (4)
- MKT 457 - Import-Export (4)
- MKT 459 - Intercultural Business Communication (4)
- MKT 460 - Internet Marketing (4)
- MKT 462 - Internet Marketing Research (4)

#### **Option 2: Information Technology (20 units)**

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This option provides students with the specialized knowledge needed for IT professional employment in all size organizations and offers the choice of a wide variety of in-depth courses in specific areas of information systems. The elective courses will allow students to prepare for certifications in various it tracks including, but not limited to, application development, enterprise systems and networking, and information assurance. See the information systems departmental advisors for more information.

#### **Information Technology Electives (20 units)**

Select 20 units from the following list:

- CIS 320 - Data Processing and Analytics (4)
- CIS 361 - Web Design and Development (4)
- CIS 383 - Multimedia and Game Application Programming (4)
- CIS 398 - Cooperative Education in Information Systems (1–4) \*
- CIS 437 - Security Risk Management and Internal Controls (4)
- CIS 438 - Computer Forensics and Investigations (4)
- CIS 445 - Network Application Development
- CIS 451 - Fundamentals of ERP Technology (4)
- CIS 454 - Special Topics in Computer Information Systems (4) \*\*



- (when applicable)
- CIS 457 - Advanced Java Programming (4)
  - CIS 458 - E-business Application Development with Oracle (4)
  - CIS 459 - Advanced Information Systems Development (4)
  - CIS 472 - Wireless Communications and Networks (4)
  - CIS 473 - Network Security Essentials and Practice (4)
  - CIS 485 - Local Area Networks (4)
  - CIS 486 - Managing Information Systems Projects (4)
  - CIS 487 - Decision Support Systems (4)
  - CIS 488 - Information Security (4)
  - CIS 498 - Cooperative Education in Information Systems (1–4) \*  
(others with consent of adviser)

**Notes:**

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*\*Total CIS 398 and 498 units for the Computer Information Systems major may not exceed 8 and require adviser approval.*

*\*\*Total of CIS 454 units may not exceed 8 units.*

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## Computer Information Systems Minor

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The purpose of the minor in Computer Information Systems is to provide students majoring in business and other disciplines the opportunity to develop skills needed to apply computer information systems to their major field of study. The minor requires 28 units.

### Requirements for the Minor (28 units)

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#### Required Courses (16 units)

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- CIS 100 - Business Computer Systems (4)
- CIS 283 - Introduction to Application Programming with Java (4)
- **or**
- CIS 405 - Database Design and Development (4)
- CIS 484 - Communications Systems (4)

#### Electives (12 units)

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Select 12 units of CIS or CS courses with CIS adviser approval.

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## Undergraduate Certificate Program in Computer Programming

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The Department of Information Systems offers an undergraduate credit certificate in Computer Programming, designed to prepare individuals for entry-level computer programming positions or other positions that require sophisticated knowledge of computer technology. The program consists of 28 units including 16 units of required courses and 12 units of electives. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

### Requirements for the Certificate (27-28 units)

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#### Required courses (11-12 units)

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- CIS 100 - Business Computer Systems (4)  
or
- CS 160 - Introduction to Computers (3)
- CIS 283 - Introduction to Application Programming with Java (4)
- CIS 405 - Database Design and Development (4)

#### Electives (16 units)

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Select 16 units from the following:

- CIS 383 - Multimedia and Game Application Programming (4)
- CIS 406 - Systems Analysis and Design (4)
- CIS 445 - Network Application Development
- CIS 451 - Fundamentals of ERP Technology (4)
- CIS 454 - Special Topics in Computer Information Systems (4)  
(when appropriate)
- CIS 457 - Advanced Java Programming (4)
- CIS 361 - Web Design and Development (4)
- CIS 484 - Communications Systems (4)
- CIS 485 - Local Area Networks (4)  
(others with adviser approval)

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## Information Systems, M.S.

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The Master of Science in Information Systems (MSIS) is designed to provide managers and professionals the necessary technical and managerial skills needed to fulfill the responsibilities of senior professional and project management positions in the information systems/technology field.

The MSIS degree program is organized into two options: a Professional option (PMSIS) designed for current IS/IT professionals and an Executive option (EMSIS) designed for managers and professionals working outside the IS field.

### Admission to the Program

In addition to applying to the University, prospective students must submit a separate graduate programs application to the College of Business and Economics Advisement Center. Applicants are admitted to the MSIS program based on a comprehensive review by the Department of Information Systems of: their work experience reflected in a résumé, their GMAT or GRE scores and two letters of recommendation from persons who have supervised the applicant's work. These documents would normally reflect information technology related experience for the Professional Option, or managerial experience for the Executive Option.

#### Requirements for the MSIS Degree (45-48 units)

A total of 45-48 units of 500 level courses are required.

##### Required Common Core Courses (12 units)

- CIS 504 - Information Systems (4)
- CIS 585 - Communication and Information Services (4)
- CIS 590 - IS/IT Policy and Strategy (4)

##### Comprehensive Examination (0 units)

Students should expect to take the comprehensive examination (BUS 596) the quarter they complete all course work on their program and must comply with college and department requirements.

### Options

- MSIS Professional Option
- MSIS Executive Option

#### MSIS Professional Option

The MSIS, Professional option (PMSIS) is designed for managers and professionals working in the business information systems field. The option offers information systems professionals the background knowledge needed to move into senior planning, consulting, and project management positions.

##### Requirements for the PMSIS Option (33 units)

A total of 33 units of 500-level courses are required.

##### Required Courses (9 units)

- CIS 510 - IS/IT Architectures (4)
- CIS 520 - Software Engineering (4)
- CIS 598 - Graduate Directed Study (1)

##### Electives (24 units)

Select 24 units (six courses) with prior graduate adviser approval.

#### MSIS Executive Option

The MSIS Executive Option (EMSIS) is designed for working executives, managers, and professionals who are interested in a career redirection or change into the business information systems/technology field. It is designed to provide persons currently employed in business and other types of organizations in management and operations positions the education needed to obtain the professional and managerial knowledge and skills needed for senior level positions in information systems/information technology (IS/IT) user and support organizations, such as: consulting, user management, development planning and management, and data center operations.

**Requirements for the EMSIS Option (36 units)**

A total of 48 additional units of 500 level courses are required.

Required Courses (12 units)

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- CIS 501 - Application Programming (4)
- CIS 502 - Analysis and Logical Design I: Data/Object Structures (4)
- CIS 503Z - Analysis and Logical Design II: Methodology (4)

Electives (24 units)

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Select 24 units (six courses) with prior graduate adviser approval.

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# Graduate Certificate Program in Advanced Information Systems

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The Department of Information Systems offers a postbaccalaureate credit certificate in Advanced Information Systems, designed to provide an academic base for information systems professionals in such specialties as systems analysis and design, data administration, client-server systems, web-based systems, object-oriented and visual programming and distributed data processing as well as information systems management. The study of advanced techniques and software productivity tools is emphasized. This certificate program is suitable for students who have completed, or expect to earn, an undergraduate degree in a major other than Computer Information Systems; graduate students in Business Administration; and information systems professionals who hold a bachelor's degree in any field.

The program includes a minimum of 28 units in CIS and related courses: 16 units in the core and at least 12 units of electives. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

## Prerequisites:

- A bachelor's degree in Business Administration; **or**
- Senior standing in a Bachelor of Science degree program in Business Administration or Computer Science; **or**
- Classified graduate standing in a master's degree program in the College of Business and Economics; **or**
- A bachelor's degree in another field and at least two years of experience in business management **or** as an information systems professional.

## Requirements for the Certificate (28 units)

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### Required Core (16 units)

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- CIS 301 - Management Information Systems (4)
- CIS 405 - Database Design and Development (4)
- CIS 406 - Systems Analysis and Design (4)
- CIS 484 - Communications Systems (4)

## Electives

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\*Restricted to classified graduate students.

Select at least 12 units from the following:

- CIS 383 - Multimedia and Game Application Programming (4)
- CIS 459 - Advanced Information Systems Development (4)
- CIS 445 - Network Application Development
- CIS 451 - Fundamentals of ERP Technology (4)
- CIS 454 - Special Topics in Computer Information Systems (4)
- CIS 457 - Advanced Java Programming (4)
- CIS 361 - Web Design and Development (4)
- CIS 485 - Local Area Networks (4)
- CIS 486 - Managing Information Systems Projects (4)
- CIS 487 - Decision Support Systems (4)
- CIS 527 - Seminar: Decision Support Systems (4) \*
- CIS 528 - Current Problems in Computer Information Systems (4) \*
- CIS 543 - Data Base Systems (4) \*
- CIS 581 - Health Care Information Systems (4) \*
- CIS 584 - Seminar: Controlling and Auditing Computer Systems (4) \*
- CIS 598 - Graduate Directed Study (1) \*  
others with adviser approval.

## U.S. Department of Education Gainful Employment Disclosure

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**Program:** Advanced Information Systems

**Occupations that this certificate program prepares students to enter:**

- Computer Systems Analysts; SOC Code 15-1051;

[www.onetonline.org/link/summary/15-1051.00](http://www.onetonline.org/link/summary/15-1051.00)

- Computer Security Specialists; SOC Code 15-1071.01;

[www.onetonline.org/link/summary/15-1071.01](http://www.onetonline.org/link/summary/15-1071.01)

- Computer Programming; SOC Code 15-1021;

[www.onetonline.org/link/summary/15-1021.00](http://www.onetonline.org/link/summary/15-1021.00)

-Web Developers; SOC Code 15-1900.04;

[www.onetonline.org/link/summary/15-1099.04](http://www.onetonline.org/link/summary/15-1099.04)

- Computer & Information Systems Managers; SOC Code 15-3021;

[www.onetonline.org/link/summary/11-3021.00](http://www.onetonline.org/link/summary/11-3021.00)

- Network and Computer Systems Administrator; SOC Code 15-1071;

[www.onetonline.org/link/summary/15-1071.00](http://www.onetonline.org/link/summary/15-1071.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Department of Management

### DEPARTMENT OFFICE

Simpson Tower F717

Phone: (323) 343-2890

E-mail: [ayoung3@calstatela.edu](mailto:ayoung3@calstatela.edu)

Website: <http://cbe.calstatela.edu>

The Department of Management prepares students to lead the businesses and organizations of society. The many aspects of the field of management are represented by three options for the Bachelor of Science degree in Business Administration, a Minor in Management, three certificate programs, a Master of Science in Business Administration degree option, and a Master of Science degree in Health Care Management. The department also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

## The Faculty

**Professors:** Blair Berkley, Kwok Keung (Kern) Kwong, Mary Pat McEnrue, Stephen J. McGuire, James M. Rosser, Paul V. Washburn, Angela Young (Chair).

**Associate Professors:** Cheng Li, Laura L. Whitcomb.

**Assistant Professor:** Ellen A. Drost, Veena Prabhu, Min Shi.

**Emeriti:** Keith R. Blunt, Peter Hechler, Rauf-Ur R. Khan, John F. Steiner, William C. Waddell.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Human Resources Management, B.S.
  - Business Administration: Option in Management, B.S.
- Business Administration: Option in Operations Management, B.S.

### Undergraduate Minor

- Management Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in General Management
- Undergraduate Certificate Program in Human Resource Management
- Undergraduate Certificate Program in Operations Management

### Graduate Major

- Business Administration: Option in Management, M.S.
  - Health Care Management, M.S.

### Graduate Certificate

The Post-Baccalaureate Certificate in Health Care Management



## Business Administration: Option in Human Resources Management, B.S.



A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Human Resources, Management, and Operations Management Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Human Resources Management (28 units)

The option prepares students for careers in human resources management in both the public and private sectors. Career paths include generalist and specialist, positions in human resource planning, recruitment and selection, compensation and benefits, job analysis, training and development, employment and labor relations, and other essential human resource functions.

#### Required Courses (20 units)

- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 474 - Compensation Management (4)
- MGMT 477 - Staffing (4)
- MGMT 489 - High Performance Management (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)  
or
- MGMT 471 - Employment Relations (4)

#### Elective Courses

Select 8 units from the following

- MGMT 440 - Career Development (4)
- MGMT 454 - Special Topics in Management (1-4)
- MGMT 469 - Training and Development (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 475 - Current Topics and Cases in Human Resource Management (4)



## Business Administration: Option in Management, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Human Resources, Management, and Operations Management Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Management (28 units)

This option develops competence in management and supervisory processes used by executives, supervisors, and comparable administrative officers in industry, finance, government, and labor.

#### Required Courses (16 units)

- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 462 - Comparative Management (4)
- MGMT 479 - Seminar: Business in Its Social Setting (4)
- MGMT 489 - High Performance Management (4)

#### Electives (12 units)

Select three adviser-approved courses from 400-level MGMT courses and/or FIN 434.

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## Business Administration: Option in Operations Management, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Human Resources, Management, and Operations Management Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Operations and Supply Chain Management (28 units)

Operations refer to what an organization does to create value. This might involve delivering a service or manufacturing a product. Operations Management addresses the management of this value-creation process. Strategic issues include process and technology selection, facility and service design, supply chain, capacity, quality, inventory, and work force management. Graduates pursue careers in a wide range of industries that include hospitality, health care, government, information services, banking and manufacturing.

#### Required Courses (12 units)

- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 472 - Supply Chain Management (4)
- MGMT 489 - High Performance Management (4)

#### Electives

Select 16 units from the following:

- MGMT 463 - Process Design and Improvement (4)
- MGMT 464 - Production and Inventory Management (4)
- MGMT 466 - Managerial Innovation (4)
- MGMT 467 - Quality Control (4)
- MGMT 468 - Small Business Management (4)
- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 485 - Project Management (4)
- MGMT 490 - Service Management (4)

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## Management Minor

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A minor in management is available for students majoring in other fields. Twenty units are required. A minimum C (2.0) grade point average is required on all course work taken to complete the minor program. Students must complete a minimum of 12 units in residence at California State University, Los Angeles. The minor will be noted on the student's transcript only if minor requirements are completed by the time bachelor's degree requirements are completed.

### Requirements for the Minor (20 units)

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#### Required Courses (12 units)

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- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 461 - Management Theory and Practice (4)
- MGMT 470 - Managerial Leadership and Motivation (4)

#### Electives (8 units)

---

Select 8 units from the following in consultation with major and minor program advisers:

- MGMT 462 - Comparative Management (4)
- MGMT 468 - Small Business Management (4)
- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 485 - Project Management (4)
- MGMT 489 - High Performance Management (4)
- MGMT 490 - Service Management (4)

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## Undergraduate Certificate Program in General Management

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The undergraduate credit certificate program in General Management is designed to prepare non-Management option Business Administration majors and students in other majors for employment in a general management position and to provide working and professional people the general management knowledge necessary for rapid career advancement.

Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

This certificate program is jointly sponsored by Extended Studies and International Programs, and the Department of Management. Nonmatriculated students (those who are not formally admitted to the University) are eligible to enroll in the program through Open University enrollment with the consent of the instructors.

A minimum of 24 units is required: 12 units of required courses and 12 units of electives. Upon completion of all course requirements, participants will be awarded a certificate in General Management, authorized by the Management Department and, when appropriate, the College of Extended Studies and International Programs

### Required Courses (12 units)

- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 461 - Management Theory and Practice (4)

### Elective Courses (12 units)


Select 12 units from the following:

- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 462 - Comparative Management (4)
- MGMT 463 - Process Design and Improvement (4)
- MGMT 467 - Quality Control (4)
- MGMT 468 - Small Business Management (4)
- MGMT 469 - Training and Development (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 471 - Employment Relations (4)
- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 474 - Compensation Management (4)
- MGMT 477 - Staffing (4)
- MGMT 479 - Seminar: Business in Its Social Setting (4)
- MGMT 485 - Project Management (4)
- MGMT 490 - Service Management (4)

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## Undergraduate Certificate Program in Human Resource Management

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The undergraduate credit certificate program in Human Resource Management is designed to prepare non-Management option Business Administration majors and students in other majors for employment in human resources management positions and to provide working and professional people the human resource management knowledge necessary for rapid career advancement.

This certificate program is jointly sponsored by Extended Studies and International Programs, and the Department of Management. Nonmatriculated students (those who are not formally admitted to the University) are eligible to enroll in the program through Open University enrollment with the consent of the instructors.

A minimum of 24 units is required: 16 units of required courses and 8 units of electives. Upon completion of all course requirements, participants will be awarded a Certificate in Human Resource Management, authorized by the Management Department and, when appropriate, the College of Extended Studies and International Programs.

### Required Course (16 units)

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- MGMT 307 - Management and Organizational Behavior (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)  
or
- MGMT 471 - Employment Relations (4)
- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 474 - Compensation Management (4)

### Elective Courses (8 units)

---

Select 8 units from the following:

- MGMT 454 - Special Topics in Management (1–4)
- MGMT 440 - Career Development (4)
- MGMT 469 - Training and Development (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 475 - Current Topics and Cases in Human Resource Management (4)
- MGMT 477 - Staffing (4)
- MGMT 481 - International Human Resource Management (4)
- MKT 459 - Intercultural Business Communication (4)

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## Undergraduate Certificate Program in Operations Management

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The undergraduate credit certificate program in Operations Management is designed to prepare non-Management option Business Administration majors and students in other majors for employment in an operations management position and to provide working and professional people the operations management knowledge necessary for rapid career advancement.

Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

This certificate program is jointly sponsored by Extended Studies and International Programs, and the Department of Management. Nonmatriculated students (those who are not formally admitted to the University) are eligible to enroll in the program through Open University enrollment with the consent of the instructors.

A minimum of 24 units is required: 16 units of required courses and 8 units of electives. Upon completion of all course requirements, the participant will be awarded a certificate in Operations Management, authorized by the Management Department and, when appropriate, the College of Extended Studies and International Programs.

### Required Courses (16 units)

---

- MGMT 306 - Operations Management (4)
- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 464 - Production and Inventory Management (4)
- MGMT 467 - Quality Control (4)

### Elective Courses (8 units)

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Select 8 units from Group 1 **or**

4 units from Group 1 **and** 4 units from Group 2:

#### Group 1

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- MGMT 463 - Process Design and Improvement (4)
- MGMT 468 - Small Business Management (4)
- MGMT 485 - Project Management (4)
- MGMT 490 - Service Management (4)

#### Group 2

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- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 461 - Management Theory and Practice (4)
- MGMT 462 - Comparative Management (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 473 - Strategic Human Resource Management (4)

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## Business Administration: Option in Management, M.S.

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This is a specialized degree program that permits concentration and research in the management of an ongoing or a new venture.

### Admission to the Program

Students must fulfill University requirements for admission to graduate study and must submit a separate graduate program application to the College of Business and Economics. The college admits applicants based on a comprehensive review of their prior education, work experience, GMAT scores, and letters of recommendation. Those without an undergraduate degree in business are required to complete 24 units of Foundations of Business courses listed below for admission to classified graduate standing for the M.S. degree in Business Administration.

The 24-unit requirement can be met either by completing the courses listed below or by submitting transcripts demonstrating that the equivalent subject material has been successfully completed either at the undergraduate or graduate level. In addition, competence must be demonstrated in statistics and the use of computers. The competency requirement can be met by successfully passing competency exams in each area of by submitting transcripts showing that the subject matter has been successfully completed at either the undergraduate or graduate level.

In addition to completing the 24-quarter units of acceptable basic business courses listed below, applicants must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

- ACCT 500 - Financial and Managerial Accounting (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 41 units in 500-level courses.

#### Required Core (16 units)

- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- BUS 516 - Integrative Business Strategy (4)

#### Thesis (5 units)

- BUS 599A - Thesis (2)
- BUS 599B - Thesis (3)

#### Required Courses for the Management Option (24 units)

##### Required Courses

Select 20 units from the following:

- MGMT 518 - Seminar: Starting a New Venture: Essential Skills (4)
- MGMT 560 - Seminar: Strategic Planning (4)
- MGMT 563 - Seminar: New Venture Resources Planning (4)
- MGMT 566 - Seminar: New Venture Opportunity Identification and Evaluation (4)
- MGMT 567 - Seminar: New Venture Strategy and Competitive Dynamics (4)
- MKT 545 - Seminar: New Venture Marketing (4)
- MGMT 572 - Seminar: Power and Politics in Organizations (4)
- MGMT 573 - Seminar: Human Resource Management (4)
- MGMT 574 - Seminar: Managing Employee Motivation and Work Behavior (4)
- MGMT 577 - Seminar: International Business Management (4)
- MGMT 581 - Seminar: Management Case Research (4)
- MGMT 582 - Seminar: New Venture Consulting (4)
- MGMT 588 - Seminar: New Venture Management (4)

##### Electives (4 units)

Select 4 units of 400- or 500-level courses with adviser approval.

## Health Care Management, M.S.



The Master of Science degree in Health Care Management assists people presently or previously employed in health care to develop the necessary managerial skills and awareness of recent innovations in health care delivery systems in order to fulfill the responsibilities of management positions in the industry. The program's unique interdisciplinary character permits students to take courses in many disciplines, including management, nursing, marketing, computer information systems, accounting, finance, health science, and others.

### Admission to the Program

In addition to university requirements for admission to CSULA for graduate study, the Health Care Management program requires a grade point average (GPA) of at least 2.75 in the last 90 quarter units (60 semester units) attempted. In addition, the program requires one or more years of work experience in health care, and two letters of recommendation.

To apply for admission to the program, applicants should send the following:

(1) A cover letter addressed to the coordinator, M.S. Health Care Management program, College of Business and Economics, requesting admission to the

program, indicating the quarter and year in which applicant intends to enroll if admitted, with information on the applicant's GPA and work experience.

(2) A résumé that documents a minimum of one year of work experience in health care.

(3) A statement of the applicant's career objectives, indicating why the applicant is pursuing the degree.

(4) Two letters of recommendation, preferably from persons who have supervised the applicant's work in a health care setting. Applicants should apply

to the University and the M.S. Healthcare Management program at the same time.

### Requirements for the Degree (48 units)

A total of 48 units are required, with at least 40 units in 500-level courses.

#### Required Courses (36 units)

- UNIV 400 - Writing Proficiency Examination (0)
- ACCT 571 - Accounting for Healthcare Managers (4)
- CIS 581 - Health Care Information Systems (4)
- NURS 564 - Seminar: Health Care Administration (2)
  
- MGMT 500 - Management (4)
- MGMT 565 - Health Care Marketing Management (4)
- MGMT 573 - Seminar: Human Resource Management (4)
- MGMT 576 - Seminar: Managing Health Care Organizations (4)
- MGMT 578 - Financial Management of Health Care Organizations (4)
- MGMT 593 - Applied Research Methods in Management (4)
- MGMT 595 - Advanced Field Study (1–6) (2)
- or
- NURS 595 - Advanced Field Study (1–15) (2)
- BUS 596 - Comprehensive Examination (0 units)

#### Electives (12 units)

Students should select 12 units of recommended elective courses or other 400 or 500-level courses with prior adviser approval. Recommended electives include:

- CIS 528 - Current Problems in Computer Information Systems (4)
- CIS 586 - Information Systems Project and Change Management (4)

- MGMT 554 - Special Topics in Management (1– 4)
- MGMT 560 - Seminar: Strategic Planning (4)
- MGMT 571 - Cases in Health Care Management (4)
- MGMT 572 - Seminar: Power and Politics in Organizations (4)
- MGMT 574 - Seminar: Managing Employee Motivation and Work Behavior (4)
- MGMT 579 - Managing the Managed Health Care Organization (4)
- MGMT 588 - Seminar: New Venture Management (4)
- NURS 562 - Human Resource Utilization in Health Care Organizations (2)
- PH 540 - Analysis of Health Care Delivery Systems (4)
- PH 570 - Health Appraisal and Guidance (4)

## Comprehensive Examination (0 units)

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Students should expect to take the comprehensive examination (BUS 596) after completion of all required courses except MGMT 595 / NURS 595 Advanced Field Study and fulfillment of college and departmental requirements regarding the examination.

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## The Post-Baccalaureate Certificate in Health Care Management

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The Post-Baccalaureate Certificate program in Health Care Management is designed to update and prepare health professionals for career advancement in health care management positions or positions which require management skills in health care organizations. The program focuses on the transfer of knowledge from business, information management, and related fields to the health care industry. A bachelor's degree with a 2.5 minimum grade point average is required for admission to the program.

A minimum of 24 units is required: 12 units of required courses and 12 units of electives. Upon completion of course requirements, students will be awarded the Post-Baccalaureate Certificate in Health Care Management.

### Requirements for the Certificate (24 units)

---

#### Required courses (12 units)

- MGMT 576 - Seminar: Managing Health Care Organizations (4)
- MGMT 578 - Financial Management of Health Care Organizations (4)
- MGMT 579 - Managing the Managed Health Care Organization (4)

#### Electives: Select 12 units from the following:

---

- ACCT 571 - Accounting for Healthcare Managers (4)
- CIS 528 - Current Problems in Computer Information Systems (4)
- CIS 581 - Health Care Information Systems (4)
- CIS 586 - Information Systems Project and Change Management (4)
- MGMT 500 - Management (4)
- MGMT 554 - Special Topics in Management (1- 4)
- MGMT 560 - Seminar: Strategic Planning (4)
- MGMT 565 - Health Care Marketing Management (4)
- MGMT 571 - Cases in Health Care Management (4)
- MGMT 572 - Seminar: Power and Politics in Organizations (4)
- MGMT 573 - Seminar: Human Resource Management (4)
- MGMT 574 - Seminar: Managing Employee Motivation and Work Behavior (4)
- MGMT 588 - Seminar: New Venture Management (4)
- MKT 500 - Marketing Principles and Concepts (4)
- MKT 544 - Seminar: Consumer Behavior (4)

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## Department of Marketing

### DEPARTMENT OFFICE

Simpson Tower F917

Phone: (323) 343-2960

E-mail: [csankey@calstatela.edu](mailto:csankey@calstatela.edu)

Website: <http://cbe.calstatela.edu>

The faculty in the Department of Marketing brings real-world business experience to the classroom in order to provide students with a unique and rewarding educational experience. The department also prepares students for professional careers ranging from understanding consumers to understanding markets and firm behavior, examining customer experiences and service productivity, and employing technology, research, pricing and promotion strategies. The department offers both general and specialized degree and certificate programs. The department also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

## The Faculty

**Professors:** Jens D. Biermeier, H. Rika Houston, Tyrone Jackson (Chair), Shirley M. Stretch-Stephenson.

**Associate Professors:** Ik Suk Kim.

**Assistant Professors:** Freddy S. Lee.

**Emeriti:** Linda Beamer, James D. Boulgarides, Bernard Codner, William A. Cohen, Richard H. Kao, Moonsong (David) Oh, Marshall E. Reddick.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Marketing Management, B.S.
  - Business Administration: Option in Retailing, B.S.

### Undergraduate Certificate

- Undergraduate Certificate Program in Commercial Transportation
  - Undergraduate Certificate Program in Marketing
- Undergraduate Certificate Program in Retail Professional Development

### Graduate Major

- Business Administration: Option in Marketing, M.S.

## Business Administration: Option in Marketing Management, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Marketing Management, and Retailing Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Marketing Management (28 units)

The option prepares students for the dynamic world of marketing management. It integrates external environmental issues and concerns with consumer behavior while addressing the firm's strategic plans to ensure a firm meets its business goals and objectives. It prepares students for cross-functional, integrated business processes required in firms today and in the future.

#### Required Courses (16 units)

- MKT 325 - High Performance Professional Skills (4)
- MKT 342 - Consumer Behavior (4)
- MKT 442 - Marketing Management (4)
- MKT 446 - Marketing Research (4)

#### Electives (12 units)

Select 12 units:

- MKT 340 - Principles of Advertising (4)
- MKT 342 - Consumer Behavior (4)
- MKT 344 - Principles of Retailing (4)
- MKT 346 - Marketing of Services (4)
- MKT 349 - Retail Merchandising and Sales Promotion (4)
- MKT 358 - International Business (4)
- MKT 365 - Community Based Social Marketing (4)
- MKT 440 - Advanced Advertising and Promotion (4)
- MKT 442 - Marketing Management (4)
- MKT 443 - Marketing in a New Business (4)
- MKT 447 - Business Consulting (4)

- MKT 448 - Mail Order/Direct Response Marketing (4)
- MKT 453 - Marketing for Nonprofit Organizations (4)
- MKT 454 - Special Topics in Marketing (1-4)
- MKT 455 - Proseminar: International Transportation (4)
- MKT 456 - International Marketing Management (4)
- MKT 457 - Import-Export (4)
- MKT 459 - Intercultural Business Communication (4)
- MKT 460 - Internet Marketing (4)
- MKT 462 - Internet Marketing Research (4)

## Business Administration: Option in Retailing, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Marketing Management, and Retailing Options. The BSBA degree with any of these options requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

#### Lower Division Required Courses (28 units)

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Retailing (28 units)

The option prepares students for the dynamic, multi-channel, international world of retailing. It integrates external environmental issues and concerns with consumer behavior issues while addressing the firm's retail goals and objectives. It prepares students with strategies needed to address the evolving retail climate.

#### Required Courses (20 units)

- MKT 325 - High Performance Professional Skills (4)
- MKT 342 - Consumer Behavior (4)
- MKT 344 - Principles of Retailing (4)
- MKT 349 - Retail Merchandising and Sales Promotion (4)
- MKT 460 - Internet Marketing (4)

#### Electives (8 units)

Select 8 units from the following:

- MKT 340 - Principles of Advertising (4)
- MKT 346 - Marketing of Services (4)
- MKT 365 - Community Based Social Marketing (4)
- MKT 442 - Marketing Management (4)
- MKT 443 - Marketing in a New Business (4)
- MKT 447 - Business Consulting (4)
- MKT 448 - Mail Order/Direct Response Marketing (4)
- MKT 454 - Special Topics in Marketing (1-4)
- MKT 462 - Internet Marketing Research (4)
- ART 340 - Art Production Practicum (2)



## Undergraduate Certificate Program in Commercial Transportation

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The Department of Marketing, in cooperation with the Office of Extended Studies and International Programs, offers an undergraduate credit certificate program in Commercial Transportation, designed for individuals intending to pursue a career or enhance their advancement potential in the field of industrial traffic and transportation or carrier operation.

A total of 28 units is required. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

### **Requirements for the Certificate (28 units)**

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Students select seven courses, with approval of a transportation adviser. Five courses must be about transportation (the adviser may allow substitution of one or two GEOG or TECH courses when appropriate); the other two must be upper division courses in marketing or elsewhere within the College of Business and Economics.

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## Undergraduate Certificate Program in Marketing

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The Department of Marketing offers undergraduate credit certificate in Marketing designed to prepare students for professional careers in marketing in both profit and nonprofit organizations. A total of 24 units is required. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

### Requirements for the Certificate (24 units)

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#### Required courses (12 units)

---

- MKT 304 - Principles of Marketing (4)
- MKT 341 - Salesmanship (4)
  
- MKT 342 - Consumer Behavior (4)
- **or**
- MKT 446 - Marketing Research (4)

#### Electives (12 units)

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Select marketing electives with adviser approval.

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## Undergraduate Certificate Program in Retail Professional Development

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The Department of Marketing offers an undergraduate credit certificate in Retail Professional Development designed to provide the skills required for executive positions in the retail industry and to prepare individuals to become successful entrepreneurs in their own retail business. A total of 24 units is required. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

### Requirements for the Certificate (24 units)

---

#### Required courses (16 units)

---

- MKT 304 - Principles of Marketing (4)
- MKT 342 - Consumer Behavior (4)
- MKT 344 - Principles of Retailing (4)
- MKT 349 - Retail Merchandising and Sales Promotion (4)

#### Electives (8 units)

---

Select 8 units from the following:

- ART 430 - Fashion Merchandising Processes (4)
- MKT 340 - Principles of Advertising (4)
- MKT 346 - Marketing of Services (4)
- MKT 442 - Marketing Management (4)
- MKT 443 - Marketing in a New Business (4)
- MKT 448 - Mail Order/Direct Response Marketing (4)

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## Business Administration: Option in Marketing, M.S.



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This is a specialized degree program that permits concentration and research in one of several options.

### Admission to the Program

Students must fulfill University requirements for admission to graduate study and must submit a separate graduate program application to the College of Business and Economics. The college admits applicants based on a comprehensive review of their prior education, work experience, GMAT scores, and letters of recommendation. Those without an undergraduate degree in business are required to complete 24 units of Foundations of Business courses listed below for admission to classified graduate standing for the M.S. degree in Business Administration.

The 24-unit requirement can be met either by completing the courses listed below or by submitting transcripts demonstrating that the equivalent subject material has been successfully completed either at the undergraduate or graduate level. In addition, competence must be demonstrated in statistics and the use of computers. The competency requirement can be met by successfully passing competency exams in each area of by submitting transcripts showing that the subject matter has been successfully completed at either the undergraduate or graduate level.

In addition to completing the 24-quarter units of acceptable basic business courses listed below, applicants must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

- ACCT 500 - Financial and Managerial Accounting (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 41 units in 500-level courses.

#### Required Core (16 units)

- BUS 501 - High Performance Management: Communication, Teamwork, and Leadership (4)
- BUS 502A - Integrative Business Strategy I (4 units)
- BUS 502B - Integrative Business Strategy II (2 units)
- BUS 503 - Managing Business Processes (6 units)

#### Thesis (5 units)

- BUS 599A - Thesis (2)
- BUS 599B - Thesis (3)

#### Marketing Option (24 units)

##### Required Courses (4 units)

- MKT 598 - Graduate Directed Study (1)

##### Electives (20 units)

Select 20 units from the following with adviser approval.

- MKT 540 - Seminar: Marketing Communication (4)  
and
- MKT 598 - Graduate Directed Study (1)
- MKT 543 - Seminar: International Marketing (4)  
and
- MKT 598 - Graduate Directed Study (1)
- MKT 544 - Seminar: Consumer Behavior (4)  
and
- MKT 598 - Graduate Directed Study (1)

- MKT 545 - Seminar: New Venture Marketing (4)
- MKT 546 - Seminar: Marketing Research (4)  
**and**
- MKT 598 - Graduate Directed Study (1)
- MKT 547 - Seminar: Retail Management (4)

## Program in Entrepreneurship



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Advisement: Marketing Department  
DEPARTMENT OFFICE  
Simpson Tower F917  
Phone: (323) 343-2960  
E-mail: [csankey@cslanet.calstatela.edu](mailto:csankey@cslanet.calstatela.edu)  
Website: <http://cbe.calstatela.edu>

The Entrepreneurship Program in the Department of Marketing focuses on the concepts, frameworks, and skills needed to imagine, start, and expand businesses and drive innovation..

## The Faculty

**Professors:** Jens D. Biermeier, H. Rika Houston, Tyrone W. Jackson (Chair), Shirley M. Stretch-Stephenson.

**Associate Professors:** Ik Suk Kim.

**Assistant Professors:** Freddy S. Lee.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Entrepreneurship, B.S.

### Undergraduate Certificate

- Undergraduate Certificate Program in Entrepreneurship



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## Business Administration: Option in Entrepreneurship, B.S.

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### (100 units)

The total number of units required for the Bachelor of Science degree in Business Administration is 180 units, of which 100 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

#### Advisement: Department of Marketing

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This option prepares students to work for a small business, start their own business, purchase existing companies, or manage ongoing small-to-medium enterprises.

The BSBA with the Option in Entrepreneurship requires completion of the BSBA core (72 units) and the option Requirement (28 units).

#### Core Requirements for the Bachelor of Science in Business Administration (72 units)

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##### Lower Division Required Courses (28 units)

---

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

##### Upper Division Required Courses (44 units)

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- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

#### Option Requirements for Entrepreneurship (28 units)

---

##### Required courses (16 units)

---

- MGMT 468 - Small Business Management (4)
- MKT 325 - High Performance Professional Skills (4)
- MKT 342 - Consumer Behavior (4)
- MKT 443 - Marketing in a New Business (4)

##### Electives (12 units)

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Select 12 units with at least 8 units in marketing.

- MKT 340 - Principles of Advertising (4)
- MKT 341 - Salesmanship (4)
- MKT 342 - Consumer Behavior (4)
- MKT 344 - Principles of Retailing (4)
- MKT 349 - Retail Merchandising and Sales Promotion (4)
- MKT 358 - International Business (4)

- MKT 365 - Community Based Social Marketing (4)
  - MKT 442 - Marketing Management (4)
  - MKT 446 - Marketing Research (4)
  - MKT 447 - Business Consulting (4)
  - MKT 448 - Mail Order/Direct Response Marketing (4)
  - MKT 454 - Special Topics in Marketing (1-4)
  - MKT 457 - Import-Export (4)
  - MKT 460 - Internet Marketing (4)
  - MKT 462 - Internet Marketing Research (4)
  - MGMT 473 - Strategic Human Resource Management (4)
  - MGMT 490 - Service Management (4)
- 
- FIN 403 - Intermediate Business Finance (4)
  - FIN 434 - Cases in Financial Management (4)
  - FIN 494 - Financial Management for Small Business (4)



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## Undergraduate Certificate Program in Entrepreneurship

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The Department of Marketing offers an undergraduate credit certificate in Entrepreneurship, designed to prepare students and business people for careers in starting, managing, or working in small businesses. The program includes instruction about how to take a product or service from the idea stage through the introduction and growth stages, and how to successfully manage the business. A focus may be taken in retailing, marketing of services and products, consulting, accounting, finance, or entrepreneurship. A total of 24 units is required. Refer to the Undergraduate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Requirements for the Certificate (24 units)

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#### Required courses (16 units)

---

- ACCT 426 - Accounting and Reporting Requirements of Small Business (4)
- FIN 494 - Financial Management for Small Business (4)
- MGMT 468 - Small Business Management (4)
- MKT 443 - Marketing in a New Business (4)

#### Electives (8 units)

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Select two upper division College of Business and Economics electives with adviser approval.

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## Programs in Interdisciplinary Business

ADVISEMENT CENTER OFFICE  
Salazar Hall C256B  
Phone: (323) 343-2810 undergraduate  
(323) 343-5156 graduate  
Fax: (323) 343-5480  
E-mail: [csankey@cslanet.calstatela.edu](mailto:csankey@cslanet.calstatela.edu)  
Website: <http://cbe.calstatela.edu>

## The Faculty

Faculty from departments across the College of Business and Economics participate in this program.

By coordinating and combining resources from all of its departments and faculty, the College of Business and Economics offers undergraduate and graduate programs that prepare students for management positions with broad responsibility. Undergraduate programs include the Bachelor of Science in Business Administration with a Special Business option and the Minor in Basic Business. At the graduate level, the Master of Business Administration (MBA) degree and the Master of Science degree (MS) in Business Administration are offered. Also available is a graduate level credit certificate in Business Management.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in Special Business, B.S.

### Undergraduate Minor

- Basic Business Minor

### Graduate Major

- Business Administration, M.B.A.
- Business Administration, M.S.

### Graduate Certificate

- Post-Baccalaureate Certificate in Business Management

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## Business Administration: Option in Special Business, B.S.

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A total of 180 units is required for the Bachelor of Science degree in Business Administration with the Special Business Option. This option provides for programs designed to meet individual interests not covered by the other options. Permission to take this option must be secured from the dean of the college. The BSBA degree with this option requires completion of 72 units in BSBA core courses and 28 units in the option. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Core Requirements for the Bachelor of Science in Business Administration (72 units)

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#### Lower Division Required Courses (28 units)

---

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

#### Upper Division Required Courses (44 units)

---

- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

Select one from the following:

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

### Option Requirements for Special Business (28 units)

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#### Required Skills Course (4 units)

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- MGMT 489 - High Performance Management (4)
- or
- MKT 325 - High Performance Professional Skills (4)

#### Elective Courses for the Option (24 units)

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Students select courses in business, economics, and relevant fields in consultation with the college dean and appropriate faculty members, depending upon their unique and special objectives.

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## Basic Business Minor

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### Advisement: College of Business and Economics Advisement Center

The purpose of the minor in Basic Business is to provide a structured program for students majoring in academic degree programs outside the College of Business and Economics who wish to augment their major with basic knowledge in business and economics.

For students who intend to pursue further study in business at advanced undergraduate or graduate levels, MATH 242 is strongly recommended. The 40 units required for the minor are:

#### Requirements for the Minor (40 units)

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##### Lower Division Required Courses (28 units)

---

- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

##### Upper Division Required Courses (12 units)

---

- FIN 303 - Business Finance (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MKT 304 - Principles of Marketing (4)

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## Business Administration, M.B.A.



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This is a broad, management-oriented degree with two tracks: the Main track and the Executives track. The Main track provides an integrated sequence of required courses and additional elective courses in selected concentrations. Having a different integrated sequence of required courses, the Executives track provides unspecified - and possibly Interdisciplinary - elective courses that can be tailored to the specific professional needs of individual student groups.

### MBA Main Track

This program track is designed for individuals of widely varied backgrounds. Elective courses provide for concentration in one of the following areas: accounting, business economics, information systems, finance, health care management, international business, management, and marketing.

### Admission to the Program

Applicants are admitted based on a comprehensive review of their work experience, prior education, GMAT scores, and letters of recommendation. In addition to meeting University requirements for admission to graduate study, applicants must submit a separate graduate program application to the College of Business and Economics.

### Foundation Courses (28 units)

Students without an undergraduate degree in business must complete the 28-unit courses listed below.

- ACCT 500 - Financial and Managerial Accounting (4)
- CIS 500 - Information Systems for Management (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

#### Note:

Students with a concentration in Accounting must also complete 20 quarter-units in accounting (ACCT 320A & B, 321, 322 and 420).

Students with a concentration in Information Systems must have a basic background in Information Systems (equivalent to CIS 283, 405, and 406).

Individual courses in core areas may be waived on the basis of equivalent undergraduate coursework. A grade of "C" or better is necessary for a course credit transfer to satisfy the foundation requirements.

### Additional Requirements for the Degree (48 units)

In addition to meeting the foundation coursework requirements, a total of 48 units are required for the main track.

#### Required Core (32 units)

- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 512A - Financial Reporting, Control, Management and Markets I (4)
- BUS 512B - Financial Reporting, Control, Management and Markets II (4)
- BUS 513 - Marketing Management in Global Environment (4)
- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- BUS 515 - Business, Government Policies, and the Global Economy (4)
- BUS 516 - Integrative Business Strategy (4)

#### Note:

BUS 512A&B as well as BUS 514A&B are to be taken in a 2-quarter lock-step sequence.

#### Elective Courses (16 units)

Select 500-level courses with adviser approval. These 16 units may be taken in one field, chosen from accounting, information systems, finance, international business, management, marketing, health care management, or business economics.

### **Culminating Experience (0 units)**

Students must demonstrate their integrative and interdisciplinary business capabilities by satisfactorily completing BUS 596, Comprehensive Examination.

## **MBA for Executives Track**

---

This program track is designed for groups of working business executives who as student cohorts will complete both the MBA core and specialized courses on a customized timetable and usually at special locations. The college will consider the particular needs of each group of students in selecting specialized courses from areas such as accounting, business economics, information systems, finance, health care management, international business, management, and marketing.

### **Admission to the Program**

Applicants are admitted based on a comprehensive review of their work experience, an acceptable bachelor's degree, GMAT scores, and letters of recommendation. The work requirement will generally be three to five years of significant experience. In addition to meeting University GPA requirements for admission to graduate study, applicants must submit a separate graduate program application to the College of Business and Economics.

### **Foundation Courses (28 units)**

---

Students without an undergraduate degree in business must complete the 28-unit courses listed below.

- ACCT 500 - Financial and Managerial Accounting (4)
- CIS 500 - Information Systems for Management (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

### **Additional Requirements for the Degree (48 units)**

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A total of 48 units are required.

#### **Required Courses (28)**

- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 516 - Integrative Business Strategy (4)
- BUS 563 - E-Commerce (4)
- BUS 565 - Risk Management (4)
- FIN 531 - Seminar: Financial Institutions (4)
- MGMT 573 - Seminar: Human Resource Management (4)
- MGMT 577 - Seminar: International Business Management (4)

#### **Elective Courses (20)**

Each strident cohort in the Executives Track will complete a set of 500 level courses chosen by the College of Business and Economics to match the needs of the particular student group. A sample of elective courses may include the following:

- ACCT 522 - Seminar: Current Topics in Financial Reporting (4)
- ACCT 524A - Accounting Information Systems (4)
- CIS 504 - Information Systems (4)
- CIS 586 - Information Systems Project and Change Management (4)
- ECON 521 - Seminar: International Macroeconomics and Currency Crises (4)
- FIN 533 - Seminar: International Finance (4)
- FIN 535 - Seminar: Speculative Securities and Markets (4)
- MGMT 572 - Seminar: Power and Politics in Organizations (4)
- MKT 543 - Seminar: International Marketing (4)
- MKT 545 - Seminar: New Venture Marketing (4)

### **Culminating Experience (0 units)**

Students must demonstrate their integrative and interdisciplinary business capabilities by satisfactorily completing BUS 596, Comprehensive Examination.

## Business Administration, M.S.



This is a specialized degree program that allows concentration and research in one of the following options: Finance, International Business, Management, and Marketing.

### Admission to the Program

Students must fulfill University requirements for admission to graduate study and must submit a separate graduate program application to the College of Business and Economics. The college admits applicants based on a comprehensive review of their prior education, work experience, GMAT scores, and letters of recommendation. Those without an undergraduate degree in business are required to complete 24 units of Foundations of Business courses listed below for admission to classified graduate standing for the M.S. degree in Business Administration.

Students can satisfy the 24-unit requirement by completing the courses listed below or by submitting transcripts demonstrating that they have successfully completed the equivalent subject material either at the undergraduate or graduate level. In addition, students must demonstrate competence in statistics and the use of computers. Students can satisfy the competence requirement by successfully passing competence exams in each area or by submitting transcripts showing that they have satisfactorily completed the subject matter at either the undergraduate or graduate level.

- ACCT 500 - Financial and Managerial Accounting (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

### Note:

In addition to completing the 24-quarter units of acceptable basic business courses listed above, applicants must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 41 units in 500-level courses.

#### Required Core (16 units)

- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- BUS 516 - Integrative Business Strategy (4)

#### Thesis (5 units)

- BUS 599A - Thesis (2)
- BUS 599B - Thesis (3)

#### Options (24 additional units)

Options are available in Finance, International Business, Management, and Marketing. All departmental and program information will be found in the corresponding section in Academic Programs.



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## Post-Baccalaureate Certificate in Business Management

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The Postbaccalaureate Certificate Program in Business Management at California State University, Los Angeles is designed to provide the basic business skills to postbaccalaureate and graduate students interested in management positions. The program provides the essentials of business and management to those with limited or no formal education or experience in business. The coursework completed under this certificate also fulfills the basic prerequisites for the MBA program offered by the College of Business and Economics.

The program consists of seven 4-unit courses.

### Prerequisites

- A bachelor's degree in any field **or**
- Classified graduate standing in the College of Business and Economics **or**
- Consent of adviser

### Required Courses (28 units)

---

- ACCT 500 - Financial and Managerial Accounting (4)
- CIS 500 - Information Systems for Management (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

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## Programs in International Business

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ADVISEMENT: Marketing Department

DEPARTMENT OFFICE

Simpson Tower F917

Phone: (323) 343-2960

E-mail: [csankey@calstatela.edu](mailto:csankey@calstatela.edu)

Website: <http://cbe.calstatela.edu>

The International Business Program in the Marketing Department focuses on understanding how economic, cultural, and political forces impact investments and products decisions.

## The Faculty

**Professors:** Jens D. Biermeier, H. Rika Houston, Tyrone W. Jackson (Chair), Shirley M. Stretch-Stephenson.

**Associate Professor:** Ik Suk Kim.

**Assistant Professor:** Freddy S. Lee.

## Programs for this Department:

### Undergraduate Major

- Business Administration: Option in International Business, B.S.

### Undergraduate Certificate

- Undergraduate Certificate Program in International Business
- Undergraduate Certificate Program in International Business Communication

### Graduate Major

- Business Administration: Option in International Business, M.S.

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## Business Administration: Option in International Business, B.S.

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### (100 units)

The total number of units required for the Bachelor of Science degree in Business Administration is 180 units, of which 100 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Advisement: Department of Marketing

This option prepares students for careers with international, multinational or transnational firms and for the commerce option of the federal government's Foreign Service Officer Examination.

The BSBA with the Option in International Business requires completion of the BSBA core (72 units) and the Option Requirement (28 units).

#### Option Requirements for International Business (28 units)

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##### Required Courses (20 units)

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- MKT 325 - High Performance Professional Skills (4)
- MKT 358 - International Business (4)
- MKT 456 - International Marketing Management (4)
- FIN 431 - Multinational Financial Management (4)
- MGMT 462 - Comparative Management (4)

##### Electives (8 units)

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Select 8 units from the following:

- MKT 365 - Community Based Social Marketing (4)
- MKT 455 - Proseminar: International Transportation (4)
- MKT 457 - Import-Export (4)
  
- MKT 459 - Intercultural Business Communication (4) **also listed as**
- COMM 459 - Intercultural Business Communication (4)
  
- ECON 426 - International Political Economy (4) **also listed as**
- POLS 426 - International Political Economy (4)
- or**
- ECON 460 - Economics of Developing Countries (4)
- or**
- ECON 461 - Economics of International Trade (4)
- or**
- ECON 462 - International Monetary Economics (4)

#### Core Requirements for the Bachelor of Science in Business Administration (72 units)

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##### Lower Division Required Courses (28 units)

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- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- CIS 100 - Business Computer Systems (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)

##### Upper Division Required Courses (44 units)

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- ACCT 310 - Accounting Information for Decision Making (4)
- BUS 305 - Business Communications (4)
- CIS 301 - Management Information Systems (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- FIN 303 - Business Finance (4)

- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 308 - Business Responsibilities in Society (4)
- MGMT 497 - Capstone: Global Strategic Management (4)
- MKT 304 - Principles of Marketing (4)

**Select one from the following:**

- ECON 303 - Money, Banking, and the Economy (4)
- ECON 310 - Managerial Economics (4)

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## Undergraduate Certificate Program in International Business

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The College of Business and Economics offers an undergraduate credit certificate in International Business, designed to prepare students for careers in firms operating on a multinational basis; for careers in import-export, international finance and banking, and international agencies; and for the commerce option of the Foreign Service Officer examination with the federal government. It also provides training for managers of internationally-oriented companies in the Los Angeles area.

A total of 24 units is required. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

### Requirements for the Certificate (24 units)

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#### Required courses (16 units)

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- FIN 431 - Multinational Financial Management (4)
- MGMT 462 - Comparative Management (4)
- MKT 358 - International Business (4)
- MKT 456 - International Marketing Management (4)

#### Electives (8 units)

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Select two upper division College of Business and Economics electives with adviser approval.

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# Undergraduate Certificate Program in International Business Communication



The undergraduate credit certificate in International Business Communication affords students the opportunity to combine language, culture, communication, and business knowledge. It gives College of Business and Economics majors a chance to add language and intercultural expertise, along with enhanced communication skills, to their program of study. At the same time, it gives language majors, Communications majors, and area studies majors a chance to add business courses to their program of study. The certificate enables students to pursue careers in organizations that seek persons with both recognized language skills and business training, such as international business, international foundations, nongovernment organizations, and international educational organizations. The language, culture and communication components also benefit students who obtain jobs in local organizations whose employees represent multiple cultures.

The certificate requires completion of 24 units, selected from four required and two elective courses.

## Prerequisites

- Senior standing in a BS in Business Administration degree program or a BA degree program in modern languages, or in Pan African or Chicano Studies, or Communications, or Economics at California State University, Los Angeles, **or**
- A BA degree in a language or Communications from California State University, Los Angeles, **or**
- A BA degree in area studies (e.g., Latin American Studies, Asian Studies) from another recognized university, **or**
- A BS degree in Business Administration from California State University, Los Angeles or another recognized university **or**
- Graduate standing in a master's degree program in business administration, economics, communications, area studies, or modern language at California State University, Los Angeles **or**
- Consent of the certificate coordinator.

## Requirements for the Certificate (24 units)

### Required Core Courses (16 units)

- MKT 358 - International Business (4)
- COMM 489 - Intercultural Communication (4)
- MKT 459 - Intercultural Business Communication (4) **also listed as**
- COMM 459 - Intercultural Business Communication (4)

### Elective Courses (8 units)

Select one language course from the following:

- CHIN 380 - Business Chinese (4)
- JAPN 380 - Business Japanese (4)
- SPAN 380 - Commercial Spanish (4)

### Electives (8 units)

Select one-area studies elective from the following:

- AAAS 200 - Pacific Asian Culture, People, and Society (4)
- ANTH 401 - Comparative Cultures (4)
- CHS 311 - Chicano Cultural History (4)
- CHIN 310 - Chinese Civilization (4)
- JAPN 310 - Japanese Civilization to 1600 (4)
- JAPN 311 - Japanese Civilization Since 1600 (4)
- LAS 335 - Race and Culture in the Americas (4)
- PAS 420 - African Foundations of African American Culture (4)
- SPAN 315 - Spanish-American Civilization (4)

Select one business elective from the following:

- ECON 461 - Economics of International Trade (4)
- FIN 431 - Multinational Financial Management (4)
- MGMT 462 - Comparative Management (4)
- MKT 456 - International Marketing Management (4)

## Business Administration: Option in International Business, M.S.

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### (45 units)

This is a specialized degree program that permits concentration and research in one of several options.

#### Admission to the Program

Students must fulfill University requirements for admission to graduate study and must submit a separate graduate program application to the College of Business and Economics. The college admits applicants based on a comprehensive review of their prior education, work experience, GMAT scores, and letters of recommendation. Those without an undergraduate degree in business are required to complete 24 units of Foundations of Business courses listed below for admission to classified graduate standing for the M.S. degree in Business Administration.

The 24-unit requirement can be met either by completing the courses listed below or by submitting transcripts demonstrating that the equivalent subject material has been successfully completed either at the undergraduate or graduate level. In addition, competence must be demonstrated in statistics and the use of computers. The competency requirement can be met by successfully passing competency exams in each area of by submitting transcripts showing that the subject matter has been successfully completed at either the undergraduate or graduate level.

In addition to completing the 24-quarter units of acceptable basic business courses listed below, applicants must have an approved graduate degree program on file in the College of Business and Economics Advisement Center.

- ACCT 500 - Financial and Managerial Accounting (4)
- ECON 500 - MBA Economics (4)
- ECON 501 - Quantitative Methods for Business Decision-Making (4)
- FIN 500 - Business Finance and Law (4)
- MGMT 500 - Management (4)
- MKT 500 - Marketing Principles and Concepts (4)

#### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 41 units in 500-level courses.

#### Required Core (16 units)

- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- BUS 516 - Integrative Business Strategy (4)

#### Thesis (5 units)

- BUS 599A - Thesis (2)
- BUS 599B - Thesis (3)

#### International Business Option (24 units)

##### Required Courses (4 units)

- BUS 513 - Marketing Management in Global Environment (4)

##### Electives (20 units)

Select 20 units from the following with adviser approval.

- ACCT 525 - Seminar: International Accounting (4)
- ECON 561 - Seminar: International Economics (4)
- FIN 533 - Seminar: International Finance (4)
- MGMT 577 - Seminar: International Business Management (4)
- MKT 543 - Seminar: International Marketing (4)
- BUS 515 - Business, Government Policies, and the Global Economy (4)

## Charter College of Education

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### OFFICE OF THE DEAN

King Hall D2069

Phone: (323) 343-4300

### OFFICE OF THE ASSOCIATE DEAN

King Hall D2070

Phone: (323) 343-4303

### OFFICE OF STUDENT SERVICES

King Hall D2078

Phone (323) 343-4320

Website : [www.calstatela.edu/ccoe](http://www.calstatela.edu/ccoe)

## Administrators

**Dean:** Mary A. Falvey

**Associate Dean:** Diane Fazzi (Acting)

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The Charter College of Education offers programs leading to the Bachelor of Science degree (in Rehabilitation Services), the Bachelor of Arts degree (in Urban Learning), master's degrees, one joint doctoral degree, one independent doctoral degree, as well as credentials and certification for specified fields of professional service in California public schools and other public and private agencies. Because the campus is located in the heart of metropolitan Los Angeles, the Charter College of Education is committed to enabling educational leaders to meet high standards and ensure the maximum learning and achievement potential of culturally and linguistically diverse urban learners. The vision of the college is "promoting an inclusive environment to support caring professional educators for the future, so that all learners achieve their fullest potential."

## Accreditation

The Charter College of Education is nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). All credential programs are approved by the California Committee on Accreditation (COA). Programs in the college are also nationally accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP), the Council on Rehabilitation Education (CORE), the National Association of School Psychologists (NASP), the American Speech, Language and Hearing Association (ASHSA), the International Reading Association (IRA), the Association for the Education and Rehabilitation of the Blind and Visually Impaired (AER), and Applied Behavior Analysis (ABA).

## Degrees Offered

The Charter College of Education offers the following degrees: **Doctor of Philosophy in Special Education, Doctor of Education, Master of Arts, Master of Science, Bachelor of Arts and Bachelor of Science**, which are briefly described below:

### Doctor of Philosophy Degree in Special Education

offered jointly with the University of California, Los Angeles, provides preparation for leadership positions in higher education and the public schools as well as preparation for a career in scholarly research.

### Doctor of Education Degree in Educational Leadership

emphasizes PreK-12 education, leadership in practice, and the development of leaders who have the expertise, scholarship and community-based inquiry skills necessary to advance all students' rights to an education that supports social and economic justice and academic success.

### Master of Arts Degree in Education

with the following options:

- **Bilingual/Multicultural Education in the Elementary Classroom** option offers candidates the opportunity to examine theory, research, and classroom practices in instructional programs for language minority students in California public schools.



**Computer Education and Technology Leadership** option prepares computer education specialists to direct school computer laboratories; select, design, and evaluate instructional software; teach computer programming/problem solving to children; and fill leadership roles in school districts in computer applications in education.

- **Creative Literacies and Literature in the Elementary Classroom** prepares Reading/Language Arts Specialists whose primary responsibility is K-12 teaching with acquired expertise in reading and language areas and who are able to work cooperatively with other professionals to promote and enhance literacy learning.
- **Curriculum and Instruction in the Urban Elementary School** option offers the opportunity to select courses that are specifically designed to combine theory and research with practical classroom application for use in urban settings. This option assists the candidate in developing the necessary knowledge and skills for meeting the needs of children in urban schools.
- **Early Childhood/Primary Education** option offers the opportunity to focus on practical classroom application in early childhood education based on current theory and research. This option allows candidates to develop their knowledge and skills in a variety of topics related to early childhood education
- **Educational Foundations** option with concentrations in social and psychological foundations, is designed to engage professionals in the field of education in interdisciplinary coursework that allows them to develop interpretive, normative, and critical perspectives on education and educational issues in both formal and informal settings.
- **Mathematics Education** prepares teachers for leadership roles to improve mathematics learning in elementary and middle schools. Courses translate theory and research into teaching practices for diverse learners with an emphasis on the use of technologies and active learning.
- **Middle and Secondary Curriculum and Instruction** option is designed to meet the challenge of educational excellence through the development of instructional leadership skills for middle, secondary and postsecondary educators.
- **New Media Design and Production** option prepares specialists for elementary and secondary institutions who combine skills in computer technology application with advanced video and multimedia techniques to enhance the learning experience of students at all levels.
- **Reading** option is designed to provide proficiency in the specialized teaching of reading/language arts. It satisfies content requirements established by the International Reading Association for reading/language arts specialization.
- **Science Education** option is designed for elementary and middle school teachers who seek leadership skills in elementary science curriculum, programs, teaching and/or want to cultivate their students' scientific literacy. The degree program combines theory, research, "hands-on" science activities, cutting-edge pedagogy, and content courses within the natural sciences.

## Master of Arts Degree in Educational Administration

prepares educators with an understanding of American urban life, provides them with the research skills needed to direct, conduct, analyze, and evaluate research projects, and presents opportunities for in-depth study of administering, managing, supervising, coordinating, and directing public and non-public schools. Option offered in Educational Administration.

## Master of Arts Degree in Special Education

is designed to prepare personnel to provide educational services to individuals who, because of physical, behavioral, and/or mental characteristics, require special instruction or services. Specialized preparation is offered for teachers of these exceptional individuals. Options include:

- **Autism** option is designed to provide training in providing behavioral and educational support to individuals with autism. This program will offer students substantive opportunity to acquire an in-depth knowledge and in-depth understanding of the needs of individuals with autism and the skills to address those needs.
- **Early Childhood Special Education** option is designed to provide administrators, teachers and therapists with advanced preparation work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as part of their program. (This requirement may be waived for personnel such as nurses, occupational therapists, or orientation and mobility specialists).
- **Facilitating Behavior Change** (offered jointly with Special Education and Counseling) option is designed to provide administrators, teachers, and therapists with advanced preparation to work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as part of their program. (This requirement may be waived for personnel such as nurses, occupational therapists, or orientation and mobility specialists).
- **Inclusive Education** option prepares inclusion specialists to work with students with mild to severe disabilities in inclusive elementary and secondary settings. It is designed to provide students with a substantive opportunity to acquire the breadth and depth of knowledge to assume leadership roles in elementary or secondary schools to facilitate inclusive education for students with disabilities.
- **Mild/Moderate Disabilities** option provides administrators, teachers and therapists with advanced preparation for work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel such as nurses, occupational therapists, or orientation and mobility specialists).
- **Moderate/Severe Disabilities** option provides administrators, teachers and therapists with advanced preparation for work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel such as nurses, occupational or physical therapists, or orientation and mobility specialists).
- **Multicultural/Multilingual Special Education** option provides administrators, teachers and therapists with advanced preparation for work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel such as nurses, occupational therapists, or orientation and mobility specialists).
- **Physical and Health Impairments** option provides administrators, teachers and therapists with advanced preparation for work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel such as nurses, occupational or physical therapists, or orientation and mobility specialists).
- **Transition Studies** (offered jointly with Special Education and Counseling) option prepares transition specialists to become competent in (1)

conducting research to contribute in current transition field, (2) providing and designing appropriate and effective transition services to secondary students with disabilities, and (3) evaluating transition plans in light of collaboration among professionals including business and community leaders as well as parents, teachers and other related service professionals in multicultural/multilingual urban settings.

- **Visual Impairments and Blindness: Orientation and Mobility** (Clinical Rehabilitative Services Credential) option is required for those candidates who plan to work in public school systems. Graduates of this option are eligible for national orientation and mobility certification, through Division IX of the Association for Education and Rehabilitation of the Blind and Visually Impaired (AER).
- **Visual Impairments and Blindness: Teacher Preparation** option provides administrators, teachers and therapists with advanced preparation for work with exceptional learners. Candidates must incorporate the specialist credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel such as nurses, occupational or physical therapists, or orientation and mobility specialists).

## Master of Arts Degree in Teaching English to Speakers of Other Languages (TESOL)

is intended to prepare students for teaching in a variety of situations, kindergarten through adult level, both in the U.S. and abroad. The program emphasizes language acquisition processes and the implications for second language teaching in preparing students for many teaching situations: English as a second language, as a foreign language, and for special purposes.

## Master of Science Degree in Counseling

includes the following options:

- **Applied Behavior Analysis** option is designed for graduate students who plan to work as behavior analysts, case managers or consultants, counselors in the schools, and for those who elect to specialize in the behavioral area for doctoral training. (Students may obtain the Pupil Personnel Services Credential with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services by completing additional courses.)
- **Marriage, Family, and Child Counseling\*** option is designed to train family systems oriented counselors who are eligible to: (1) obtain the Pupil Personnel Services Credential with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services; and (2) apply for licensure in California as a Marriage, Family and Child Counselor.
- **Rehabilitation Counseling** option prepares students to: (1) function effectively as professional rehabilitation counselors in a variety of employment settings; and (2) develop their own skills to function effectively at the time of graduation and beyond as the profession changes.
- **School Counseling Leadership** option is designed for future school counselors who wish to develop leadership skills in school counseling and earn the M.S. in Counseling: Option in School Counseling Leadership. Students who complete this option also qualify to apply for the Pupil Personnel Services Credential with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services.
- **School Psychology** option prepares students to focus on the psychoeducational development of individuals from birth to age 21, their abilities and potentialities, and biological, emotional, behavioral, and cultural factors that influence the learning process. Students who earn the this option also qualify for the Pupil Personnel Services credential with advanced specialization in School Psychology and Advanced Specialization in Child Welfare and Attendance Services.

\* Includes school counseling focus

*Note: Students entering graduate education programs must meet specific requirements set forth for each program in addition to University requirements for admission to graduate study.*

### Restrictions on Credit Earned in Variable Unit Courses

All Charter College of Education master's degree programs are subject to the following credit restrictions:

Limit of **12 units** from 499, 597, and 598 in programs **without** a thesis or project.

Limit of **15 units** from 499, 597, 598, and 599 in programs **with** a thesis or project.

## Bachelor of Arts Degree in Urban Learning

is a program that combines courses in teacher preparation with major courses emphasizing an interdisciplinary approach to understanding urban learning as a social phenomenon. The major is supported by a depth area of social science focused on diversity and a choice of either an education minor to prepare students to teach in elementary school or an education specialist minor for teachers working as interns in a special education setting.

## Bachelor of Science Degree in Rehabilitation Services

prepares students who work in various educational settings where they will advance the independence, integration and full participation of individuals with rehabilitation needs in both workforce and the community.

## Credential Programs

University programs have been approved for the following credentials and areas of specialization.

### Teaching Credentials:

- **Multiple Subject**

### **Multiple Subject Internship**

- **Single Subject**
- **Single Subject Internship**

## **Education Specialist Credentials**

- **Early Childhood Special Education\***
- **Mild/Moderate Disabilities\***
- **Moderate/Severe Disabilities\***
- **Physical and Health Impairments\***
- **Reading/Language Arts**
- **Visual Impairments and Blindness**

## **Other Specialist Credentials**

- Adapted Physical Education

## **Services Credentials**

- **Administrative Services** (Preliminary and Professional)
- **Clinical- Rehabilitative Services** (Audiology, Language, Speech and Hearing (with Special Class Authorization), Orientation and Mobility)
- **Health Services** (School Nurse)
- **Pupil Personnel Services** (School Counseling and Child Welfare and Attendance, including internship, School Psychology and Child Welfare and Attendance, School Psychology, including internship)

## **Certificates**

- Autism Certificate
- California Reading Certificate
- Resource Specialist in Special Education Certificate

*Note! Because credential programs described in this publication are subject to change without notice, students are urged to seek current information concerning new credential requirements from the appropriate division in the Charter College of Education.*

Candidates seeking additional authorization on prior credentials must seek advisement from the appropriate division about applicability of current courses to those requirements. Advisement of students working toward a credential is provided by both their major department and each of the Charter College of Education Divisions. General information about the Charter College of Education programs is available in the Office of Student Services, King Hall D2078.

Recommendation for teaching credentials is contingent upon satisfaction of all requirements specified in each area.

# **Admission and Other Requirements**

## **Admission to Master's Degree and Credential Programs in Education**

Students entering graduate programs in education must meet University requirements for admission to graduate study and additional requirements set forth for each program. Admission to the University does not automatically admit students to credential or postbaccalaureate programs in the Charter College of Education. Candidates for all programs in the College must have a grade point average (GPA) of 2.75 in the 90 quarter units and verify competency in basic technology skills. Formal application is required for admission to each specific degree or credential program.

Teaching credential application procedures are described in the appropriate section of Academic Programs within the divisional section offering preparation for that credential, namely:

- Applied and Advanced Studies in Education
- Curriculum and Instruction
- Special Education and Counseling

## **Postbaccalaureate Year**

Except for students enrolled in an approved undergraduate blended program for teacher preparation, State of California credential requirements include a fifth year of study completed after the baccalaureate. Students may elect to complete all or part of their professional requirements in the fifth year, pursue a master's degree, or follow a planned course of study approved by their adviser. All students must plan an approved program with an adviser.

## **General Information about Professional Clear Teaching Credentials**

All students who desire University recommendation for completion of the professional clear credential must be admitted to Cal State L. A. and must satisfy any writing requirement required of all postbaccalaureate students. They must also apply for admission to the credential program. Complete admission procedures are listed in the *Admission to Credential Programs* section.

### ***Definition of the Fifth Year for Professional Clear Teaching Credentials (Ryan Credential)***

The fifth year, comprised of a minimum of 45 postbaccalaureate quarter units selected with adviser assistance, may consist of:

- Completion of requirements for the preliminary credential, or
- completion of requirements for the professional clear credential, or
- work toward another baccalaureate, or
- an advanced credential, or
- a master's degree, or
- a program of courses designed to improve the applicant's teaching competencies.

### ***Residence Requirement***

Applicants who possess a master's degree from an accredited institution outside California or an advanced credential based on a full fifth year of postbaccalaureate study (45 quarter units) are not subject to residence requirements for University recommendation. Applicants with a master's degree or an advanced credential from a California institution are referred to their parent institution for recommendation. All other applicants must complete a minimum of 16 quarter units in residence at Cal State L.A.

### ***Procedures***

- Apply for admission to Cal State L. A. and to the Charter College of Education credential programs.
- Plan a fifth year program with an adviser.

The program plan is filed and used for verification of credential requirements at program completion. The program is checked by a credential analyst for satisfaction of criteria, applicability of transfer work, etc.

Students receive University recommendation following application and verification of completion of all requirements for the clear credential.

## Division of Applied and Advanced Studies in Education



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Website: [www.calstatela.edu/academic/ccoe/index\\_aase.htm](http://www.calstatela.edu/academic/ccoe/index_aase.htm)

### Program advisement:

The Charter College of Education's Division of Applied and Advanced Studies in Education offers advisement for master's degree programs in Educational Administration, Educational Foundations, Computer Education and Technology Leadership, New Media Design and Production, Research and Evaluation, and Teaching English to Speakers of Other Languages. Although the division offers coursework to meet basic and advanced credential requirements, faculty do not plan programs or advise for credentials.

### Degrees Offered:

Doctorate of Education (Ed.D.) in Educational Leadership, M.A. in Educational Administration, M.A. Degree in Education; Options in: Computer Education and Technology Leadership, Educational Foundations, New Media Design and Production (suspended program), Research and Evaluation (suspended program); M.A. in Teaching English to Speakers of Other Languages (TESOL); B.A. in Urban Learning. The division also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

### Certificates Offered:

Computer Application in Schools; English as a Second or Foreign Language (ESL/EFL)

### Credential Offered

Administrative Services

### The Faculty

**Professors:** Lawson Bush V, Adelaide Doyle-Nichols, Anne L. Hafner, Lia D. Kamhi-Stein, Lori Kim, Antony J. Kunnan, Chogollah Maroufi, Deborah M. Oh, Penelope Semrau, Simeon P. Slovacek, Marguerite Ann Snow, Carlos Tejada.

**Associate Professors:** Lois N. Andre-Bechely, Pearl Chen, Anthony Hernandez, Manisha Javeri, Albert Jones, Ann Wood.

**Assistant Professors:** , Bradford Allison.

**Emeriti:** Webster E. Cotton, Stephanie Evans, Janet Fisher-Hoult, Marilyn W. Greenberg, Fernando A. Hernandez, Ruth Johnson, Dorothy L. Keane, Charles F. Leyba, Robert R. Morman, Helen Isabel Nicklin, Fred Pycszak, Jr., Patricia Richard-Amato, Rolando A. Santos, Carleton B. Shay, Patricia Bates Simun, L. Clinton Taylor, Elizabeth Viau.

### Programs for this Department:

#### Undergraduate Major

- Urban Learning, B.A.

#### Graduate Major

- Education, M.A.
- Option in Educational Technology and Leadership (45 units)
  - Education: Option in Educational Foundations, M.A.
- Education: Option in New Media Design and Production, M.A. (suspended program)

- Education: Option in Research and Evaluation, M.A. (suspended program)

- Educational Administration, M.A.

- Teaching English to Speakers of Other Languages (TESOL), M.A.

#### **Doctoral Program**

Doctor of Education (Ed.D.) in Educational Leadership Specialization in PreK-12 Leadership

#### **Graduate Certificate**

- Graduate Certificate Program in Computer Applications in Schools
- Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL)

#### **Credential**

- Preliminary Administrative Services Credential
- CLEAR Administrative Services Credential

## Urban Learning, B.A.

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### Bachelor of Arts Degree in Urban Learning

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The Bachelor of Arts degree in Urban Learning is an Integrated Elementary Subject Matter Preparation Program designed to prepare culturally sensitive teachers for assignments in hard-to-staff diverse urban elementary (K-6) or Special Education (K-12 or B-21) classrooms. The major combines courses in teacher preparation with major courses emphasizing an interdisciplinary approach to understanding urban learning as a social phenomenon. The major is supported by a depth area in the social sciences and preparation for either a Multiple Subject Credential (Elementary Education) or an Education Specialist (Special Education) Teaching Credential. Students who complete this degree must complete a minimum of 180 units to graduate. The requirements are described below. For additional information concerning this program, see the section on Basic Teaching Credentials.

### Faculty

Margaret Clark (Director), Paula Arvedson, Ann Barbour, Stephanie Evans, Ambika Gopalakrishnan, Manish Javeri, J. Sabrina Mims, Frederick L. Uy.

### Advisement

Prospective students must attend an orientation session and meet with an adviser prior to enrolling in any courses. Upon completion of their GE requirements, students are grouped into learning communities (cohorts) which support a climate conducive to building life long professional networks, development of collaboration skills, and academic success. Students are expected to enroll in courses designated for their cohort each quarter.

Freshmen are encouraged to seek advisement from a ULRN adviser early and often to assure timely completion of General Education requirements and program application procedures prior to placement in a cohort.

### Admission

The major is available to students who:

- Meet the general university requirements for admission as a first-year student or transfer student; and
- If a transfer student, attain a GPA of at least 2.75 in the last 90 quarter units of coursework.
- Meet with an Urban Learning program advisor and complete a program application
- Demonstrate suitable aptitude for teaching in public schools

Students are expected to satisfy all the requirements established by the Charter College of Education and the California Commission on Teacher Credentialing for admission into the credential option of choice during the first two quarters in a cohort.

### Requirements for the Major (180 units)

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Students must complete 180 units to graduate. The Urban Learning major requires completion of 60 units of General Education at the lower division, 12 units at the upper division and 6 units of graduation requirements (i.e., ENGL 102 and either the Introduction to Higher Education EDUC 101 or Transition to Cal State L.A. EDUC 301 ). It also requires 56 units in the major with the remaining 46 units as recommended electives for teacher preparation.

Students in an Elementary Subject Matter Teacher Preparation Program are subject to the same General Education requirements as non-teaching majors. Students transferring from community colleges should seek advisement from a counselor and complete a program of General Education coursework leading to CSU GE or IGETC certification.

Students interested in securing a California Multiple Subject Teaching or Education Specialist Internship Credential should consult the Charter College of Education section in the Academic Programs, College-Based and University Wide chapter for the regulations governing all teaching credential programs.

A grade of C or higher is required in all courses used to meet the major requirements for Elementary Subject Matter Teacher Preparation.

## Elementary Subject Matter Teacher Preparation (180 units)

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### University Requirements (6-12 units)

- ENGL 102 - Composition II (4)
- UNIV 400 - Writing Proficiency Examination (0)  
or
- UNIV 401 - Writing Proficiency (4)
  
- EDUC 101 - Introduction to Higher Education in the Charter College of Education (4)  
or
- EDUC 301 - Transition to Cal State LA and the Charter College of Education (2)

Note:

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*EDUC 101 or EDUC 301 must be completed within the first two quarters of enrollment.*

### Major Courses (28 units)

- COUN 484 - Conferences with Parents/Primary Caregivers (4)  
or
- EDEL 467 - School/Family/Community Partnerships in Urban Learning (4 units)  
or
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- ULRN 460 - Assessment and Learning (4)
- ULRN 461 - Learning and Critical Thinking (4)
- ULRN 462 - The Role of Play in Learning (4)
- ULRN 464 - Contemporary Issues in Knowledge, Culture and Learning (4)
- ULRN 463 - Literacy and the Urban Community (4)
- ULRN 469 - Senior Seminar: Reflection, Assessment, and Writing (4 units)

### Social Science Depth Area (28 units)

- CHS 472 - Chicana/o Education: Theory and Research (4)  
or
- PAS 401 - Topics on Education and African American Advancement (4)
- COMM 389 - Intercultural Communication in the Urban Environment (4)  
or
- ML 300 - Language Diversity in Urban America (4)
- COUN 400A - Lifespan Human Development (4)  
or
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
  
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4) **(also listed as)**
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)  
or
- PHIL 323 - Human Diversity and Justice (4)  
or
- SW 476 - Child Welfare (4)
- HIST 383 - Rise of Urban America (4)  
or
- ANTH 433 - Urban Anthropology (4)
- HIST 488 - California (4)  
or
- CHS 443 - History of the Chicano People in California (4)  
or
- POLS 404 - Urban Government and Politics (4)
- SOC 330 - Social Issues in the Urban Setting (4)

### Teacher Preparation (46units)

#### CSET Preparation

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With advisor approval students select up to 46 units as needed from the following courses, which are designed to strengthen the student's preparation for the CSET Multiple Subject Examination. Students who have already passed one or more subtests of the CSET may take, with advisor approval, credential courses as electives.

- EDEL 490 - Problems in Elementary Education (2-5) (may be taken up to three times for credit)

#### Reading, Language and Literature; History and Social Science (CSET Subtest I)

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- ENGL 207 - Beginning Creative Writing (4)
- ENGL 301 - Introduction to Language (4)
- ENGL 430 - Children's Literature (4)
- HIST 110A - World Civilization I (4)



- HIST 110B - World Civilization II (4)

#### Science and Mathematics (CSET Subtest II)

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- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- BIOL 180 - Life Science for Elementary Teachers (4)
- NATS 180 - Motion and Energy for Elementary Teachers (3)
- NATS 181 - Structure and Properties of Matter for Elementary Teachers (3)
- NATS 182 - Topics in Space Science for Elementary Teachers (2)
- NATS 183 - Earth Science for Elementary Teachers (4)

#### Physical Education, Human Development, Visual and Performing Arts (CSET Subtest III)

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- ART 400\* - Elementary Classroom Visual Art (3)
- CHDV 140 - Child Development (4)
- CHDV 343 - Child and Adolescent Cognition (4)
- CHDV 350 - Social and Emotional Development (4)
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- KIN 420 - Development of Physical Activity (3)
- MUS 400 - Elementary Classroom Music (3)
- PH 457 - Health Education for Elementary School Teachers (1)
- TA 400 - Creative Drama for the Elementary Classroom (3)

#### Teaching Credential Preparation

A minimum GPA of 2.75 in the last 90 quarter units is prerequisite to enrollment in EDCI 300 or EDSP 300. See Catalog, Multiple Subject Credential or Education Specialist Credential, for additional prerequisites. An overall 3.0 GPA must be maintained in all Professional Education courses with a minimum grade of "C" in each course. Students should see a major adviser regarding completion of the degree and other credential requirements.

#### Select one of the following:

##### A. Elementary Education

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(For a Multiple Subject Teaching Credential)

#### Required Prerequisite Courses (10 units)

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- EDUC 301 - Transition to Cal State LA and the Charter College of Education (2) *(also satisfies the Transition to Higher Education requirement)*
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4) *or equivalent (prerequisite for EDEL 417)*

#### Electives

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- EDSP 400 - Foundations of Special Education (4)  
*(It is recommended that this course be taken prior to Block Three)*

#### Block One (Must be completed before Block Two)

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- EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

#### Block Two (Must be completed before Block Three)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)

#### Block Three (Must be completed before Block Four)

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- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)

#### Directed Teaching (12 units)

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## **Block Four (Must attend a mandatory directed teaching meeting prior to enrolling in these courses)**

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- EDEL 403 - Directed Teaching: Multiple Subject (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

### **B. Special Education**

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(Eligibility for an Education Specialist Internship Credential)

Completion of this course of study and passage of the CSET Multiple Subject qualifies students for an internship credential with verification of employment from a cooperating school district. For a Preliminary Education Specialist Credential, students must complete the additional post-baccalaureate credential coursework and directed teaching in their area of specialization (i.e., Mild/Moderate Disabilities, Moderate/Severe Disabilities, Physical and Health Impairments or Visual Impairment and Blindness).

### **Required Prerequisite Courses (12 units)**

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- EDUC 301 - Transition to Cal State LA and the Charter College of Education (2) *(also satisfies the Transition to Higher Education requirement)*
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- EDSP 300 - Introduction to Special Education (4)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4) *or equivalent (prerequisite for EDEL 417)*

### **Electives**

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- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- EDSP 400 - Foundations of Special Education (4)
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 407 - Directed Teaching in Special Education (3–12)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDIT 430 - Information Technologies in the Classroom (4) *or equivalent*

### **Internship Emphasis: Specialization (8 units)**

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Complete 8 units of appropriate course work in the selected area of specialization.

#### **Mild-to-Moderate Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)

#### **Moderate-to-Severe Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)

#### **Physical and Health Impairments**

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- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 460 - Implications of Physical and Health Impairments (4)

#### **Visual Impairment and Blindness**

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- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 465L - Functional Low Vision Assessment (1)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)

## Education, M.A.

### Option in Computer Education and Technology Leadership

This option prepares educators to assume leadership roles in the field of computer education. In particular, the program is designed to prepare computer-using teachers, computerbased trainers, computer/technology coordinators, and other school-based technology experts for K-12 schools and other education and training settings. Note: Teachers who plan to teach in public California K-12 classrooms or work as schoollevel or district-level computer coordinators must obtain a California teaching credential. For some district-level technology coordinator positions, a Level I California Administrative Credential is required.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a minimum 2.75 grade point average in the last 90 quarter units attempted and must have completed a course or courses covering computer literacy and applications in education (EDIT 430 or EDIT 431). Students must make written application to the Charter College of Education and the Division of Applied and Advanced Studies in Education.

### Requirements for the Degree (45 units)

A total of 45 or more units is required, with at least 23 units in 00-level courses. A comprehensive examination or a thesis or project is required. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses*.

#### Prerequisites:

- EDIT 430 - Information Technologies in the Classroom (4)
- EDIT 431 - Advanced Computer Applications in Education (4)

#### Required Courses (29 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDIT 435 - Computer Systems in Education (4)
- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)
- EDIT 502 - Fundamentals of Computer Education (4)
- EDIT 556 - Technology Leadership in Schools (5)
- EDIT 580 - Applied Experience in Instructional Technology (4)

#### Electives (9, 16 or more units in Instructional Technology)

Select from the following, depending on the choice of thesis, project or comprehensive examination—total units in the program must be 45 or more with 23 units or more at 500- level.

- EDIT 472 - World Builders (5)
- EDIT 490 - Special Topics in Instructional Technology (2–5)
- EDIT 540 - Instructional Graphics Design and Production (5)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 554 - Video Technology in Education (4)
- EDIT 557 - Computer Assisted and Managed Instruction (5)
- EDIT 560 - Internet and the World Wide Web in Education (4)
- EDIT 565 - Distance Learning (5)
- EDIT 594 - Selected Studies in Instructional Technology (1-4)

#### Electives Offered in Other Departments

- EDAD 545 - Seminar: Technology for Instructional and Organizational Change (3)
- EDEL 480 - Teaching Problem Solving with LOGO (4)
- EDEL 580 - Computer Applications for Teaching Mathematics and Science (2)
- EDCI 583 - Application of Hypermedia in Instruction (4)
- EDSP 508 - Technology Applications in Special Education (4)

#### Comprehensive Examination or Thesis or Project (0 or 7 units)

- EDFN 596 - Comprehensive Exam (0)
- or

- EDFN 599A - Thesis or Project Planning (3) \*  
**and**
- EDFN 599B - Thesis or Project (2) \*  
**and**
- EDFN 599C - Thesis or Project (2) \*

Notes:

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*\*Students who do a thesis are required to take a second course in educational research methodology such as EDFN 452 (with adviser approval).*

Students should expect to take the comprehensive examination (EDFN 596) during the Fall or Spring Quarter and must also comply with college and division requirements.

## Option in Educational Foundations

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The Master of Arts degree in Education, Option in Educational Foundations, offers concentrations in social and psychological foundations. This interdisciplinary academic program, which draws on conceptual frameworks and methodologies from the humanities, social sciences, and behavioral sciences, is designed to prepare teachers and other educational professionals (e.g. psychologists, counselors, and administrators working in schools, government, business, or civic agencies) to understand and respond to the social contexts that give meaning to education both in and out of schools. It offers coursework in the educational foundations area and its related disciplines e.g., history of education, philosophy of education, educational sociology, educational psychology and human development. This coursework provides students with opportunities to acquire interpretive, normative, and critical perspectives on education through rigorous study and research experience.

## Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a 2.75 grade point average in the last 90 quarter units attempted.

### Requirements for the Degree (45 units)

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A minimum of 23 of the 45 units must be in 500-level courses and at least 23 units must consist of education courses. See *Restrictions on Credit Earned, in Variable Unit Courses*.

#### Required Courses (16 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDFN 505 - Qualitative Research in Education (4)
- EDFN 506 - Comparative Education (4)
- EDFN 507 - History of Education (4)

#### Required in Cognate or Theme Area (8 units)

Select with adviser approval.

Electives in Cognate Area (0–10 units)

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Select with adviser approval.

#### Area of Concentration (8 units)

Select eight units from one of the two following areas:

Psychological Foundations

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- EDFN 510 - Advanced Study: Learning Theory and Education (4)
- EDFN 530 - Advanced Study in Human Development (4)

Social Foundations

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- EDFN 508 - Philosophy of Education (4)
- EDFN 525 - Educational Sociology (4)
- EDFN 550 - Contemporary Social Theory and Issues in Urban Education (4)
- EDFN 552 - Policy Studies in Urban Education (4)

#### Electives in Education (4–13 units)

Select courses in education with adviser approval.

#### Comprehensive Examination or Thesis or Project (0, 7 units)

- EDFN 596 - Comprehensive Exam (0)  
**or**

- EDFN 599A - Thesis or Project Planning (3)  
**and**
- EDFN 599B - Thesis or Project (2)  
**and**
- EDFN 599C - Thesis or Project (2)

## Option in New Media Design and Production

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The New Media Design and Production option prepares school or industry-based specialists who combine skills in applying computer technology with advanced video and multimedia techniques to enhance the learning experience of students at all levels.

Note: Teachers who plan to teach in public California K-12 classrooms or work as school-level or district-level computer coordinators must obtain a California teaching credential.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a minimum 2.75 grade point average in the last 90 quarter units attempted and must have completed a course or courses covering computer literacy and applications in education (EDIT 430 or EDIT 431). Students must make written application to the Charter College of Education and the Division of Applied and Advanced Studies in Education.

### Requirements for the Degree (45 units)

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A total of 45 or more units is required, with at least 23 units in 500-level courses. A comprehensive examination or a thesis or project is also required. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses*.

#### Prerequisites

- EDIT 430 - Information Technologies in the Classroom (4)
- EDIT 431 - Advanced Computer Applications in Education (4)

#### Required Courses (30 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)
- EDIT 501 - Instructional Design of Mediated Instruction (4)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 557 - Computer Assisted and Managed Instruction (5)
- EDIT 580 - Applied Experience in Instructional Technology (4)

#### Electives (8 or 15 or more units in Instructional Technology) or related fields

Select from the following, depending on the choice of thesis, project, or comprehensive examination—total units in program must be 45 or more with 23 units or more at the 500-level.

- EDIT 435 - Computer Systems in Education (4)
- EDIT 472 - World Builders (5)
- EDIT 490 - Special Topics in Instructional Technology (2–5)
- EDIT 540 - Instructional Graphics Design and Production (5)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 554 - Video Technology in Education (4)
- EDIT 556 - Technology Leadership in Schools (5)
- EDIT 560 - Internet and the World Wide Web in Education (4)
- EDIT 565 - Distance Learning (5)
- EDIT 594 - Selected Studies in Instructional Technology (1-4)

#### Comprehensive Examination or Thesis or Project (0 or 7 units)

- EDFN 596 - Comprehensive Exam (0)  
**or**
- EDFN 599A - Thesis or Project Planning (3) \*  
**and**
- EDFN 599B - Thesis or Project (2) \*  
**and**
- EDFN 599C - Thesis or Project (2) \*

Notes:

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\*Students who do a thesis are required to take a second course in educational research methodology such as EDFN 452 (with adviser approval).

Students should expect to take the comprehensive examination (EDFN 596) during the Fall or Spring Quarter and must comply with College and division requirements.

## Option in Research and Evaluation

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The Option in Research and Evaluation offers candidates the opportunity to examine theory and practice in educational research and evaluation; to participate in research or evaluation projects in school districts, non-profit organizations or at the university, and to assume leadership roles in

research and evaluation. This program incorporates a specialization in research and evaluation into an existing Master's Degree program. The program of study requires the completion of a minimum of 45-quarter units. The four quarter program consists of courses in program evaluation, evaluation of federal and state programs, assessment, and quantitative and qualitative research methods, as well as a practicum. A concentration in evaluating mathematics and science programs is available to students who majored or minored in mathematics or science.

## Admission to the Program

In addition to university requirements for admission to graduate study. Applicants must meet the conditions for classified graduate standing and satisfy the following criteria;

- Have a 3.0 GPA in their last 90 quarter units
- Have a bachelors degree
- Submit 2 letters of reference
- Attend a screening interview with a faculty member

## Requirements for the Degree (45 units)

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A total of 45 or more units is required, with at least 23 units in 500-level courses. A comprehensive examination or a thesis or project is required. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses*.

### Required courses: (32 units)

- EDFN 452 - Statistics in Education (4)
- ULRN 460 - Assessment and Learning (4)
- EDCI 511 - Advanced Classroom Assessment in the Urban School (4)
- EDFN 500 - Evaluation of Educational Research (4)
- EDFN 505 - Qualitative Research in Education (4)
- EDFN 521 - Program Evaluation Theory and Design (4)
- EDFN 541 - Evaluation of State and Federal Programs (4)
- EDFN 594 - Selected Studies in Education (1–5)
- EDFN 595 - Field Experience in Evaluation (Practicum) (4)

### Electives (5-13 units)

Select 5-13 units from the following lists (electives also include the math and science concentration as part of the selection), depending on the choice of thesis, project, or comprehensive examination-total units in program must be a minimum of 45 units with 23 units or more at 500-level.

- EDFN 552 - Policy Studies in Urban Education (4)
- EDFN 594 - Selected Studies in Education (1–5)
- EDFN 598 - Graduate Directed Study (1–4)
- PSY 491 - Multivariate Statistics (5)
- PSY 515 - Advanced Statistical Methods in Psychology (4)
- SOC 410 - Advanced Statistics (4)
- TESL 567B - Current Issues in Language Testing (4)

### Mathematics and Science Concentration Electives:

- EDCI 552 - Scientific Processes and Authentic Assessment Strategies (4)
- EDCI 584 - Learning Theories and Cognitive Science in Math Education (4)

### Comprehensive Exam or Thesis/Project (0, 7 units):

- EDFN 596 - Comprehensive Exam (0)
- **or**
- EDFN 599A - Thesis or Project Planning (3)
- **and**
- EDFN 599B - Thesis or Project (2)
- **and**
- EDFN 599C - Thesis or Project (2)

Note:

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Students should expect to take the comprehensive exam (EDFN 596) during the fall or spring quarter and must comply with college and division requirements.

## Option in Educational Technology and Leadership (45 units)

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This option prepares educators to assume leadership roles in the field of educational technology. In particular, the program is designed to prepare computer-using teachers, e-learning developers and trainers, technology coordinators and specialists, and other instructional technology experts for PK-12 schools and other educational and training settings.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a minimum 2.75 grade point average in the last 90 quarter units attempted and must have completed a course or courses covering computer literacy and applications in education (EDIT 430 or EDIT 431). Students must make written application to the Charter College of Education and the Division of Applied and Advanced Studies in Education.

### Requirements for the Degree (45 units)

A total of 45 or more units is required, with at least 23 units in 500-level courses. A comprehensive examination or a thesis or project is required. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses* earlier in this chapter.

#### Prerequisites:

- EDIT 430 - Information Technologies in the Classroom (4)  
or
- EDIT 431 - Advanced Computer Applications in Education (4)

#### Required Courses (29 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDIT 435 - Computer Systems in Education (4)
- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)
- EDIT 502 - Fundamentals of Computer Education (4)
- EDIT 556 - Technology Leadership in Schools (5)
- EDIT 580 - Applied Experience in Instructional Technology (4)

#### Electives (9, 16 or more units in Instructional Technology)

Select from the following, depending on the choice of thesis, project or comprehensive examination—total units in the program must be 45 or more with 23 units or more at 500-level.

- EDIT 472 - World Builders (5)
- EDIT 490 - Special Topics in Instructional Technology (2–5)
- EDIT 510 - Using Educational and Assistive Technology (2)
- EDIT 540 - Instructional Graphics Design and Production (5)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 554 - Video Technology in Education (4)
- EDIT 557 - Computer Assisted and Managed Instruction (5)
- EDIT 560 - Internet and the World Wide Web in Education (4)
- EDIT 565 - Distance Learning (5)
- EDIT 594 - Selected Studies in Instructional Technology (1-4) (1-5)

#### Electives Offered in Other Departments

To be approved by program advisor.

#### Comprehensive Examination or Thesis or Project (0 or 7 units)

Students should expect to take the comprehensive examination (EDFN 596) during the Fall or Spring Quarter and must also comply with college and division requirements.

- EDFN 596 - Comprehensive Exam (0)  
or
- EDFN 599A - Thesis or Project Planning (3) \*

- and**
  - EDFN 599B - Thesis or Project (2) \*
  - and**
  - EDFN 599C - Thesis or Project (2) \*
- \*Students who do a thesis are required to take a second course in educational research methodology such as EDFN 452 (with adviser approval).*



## Education: Option in Educational Foundations, M.A.

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The Master of Arts degree in Education, Option in Educational Foundations, offers concentrations in social and psychological foundations. This interdisciplinary academic program, which draws on conceptual frameworks and methodologies from the humanities, social sciences, and behavioral sciences, is designed to prepare teachers and other educational professionals (e.g. psychologists, counselors, and administrators working in schools, government, business, or civic agencies) to understand and respond to the social contexts that give meaning to education both in and out of schools. It offers coursework in the educational foundations area and its related disciplines e.g., history of education, philosophy of education, educational sociology, educational psychology and human development. This coursework provides students with opportunities to acquire interpretive, normative, and critical perspectives on education through rigorous study and research experience.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a 2.75 grade point average in the last 90 quarter units attempted.

#### Requirements for the Degree (45 units)

A minimum of 23 of the 45 units must be in 500-level courses and at least 23 units must consist of education courses. See Restrictions on Credit Earned, in Variable Unit Courses earlier in this chapter.

#### Required Courses (16 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDFN 505 - Qualitative Research in Education (4)
- EDFN 506 - Comparative Education (4)
- EDFN 507 - History of Education (4)

#### Required in Cognate or Theme Area (8 units)

Select with adviser approval.

#### Area of Concentration (8 units)

Select eight units from one of the two following areas:

##### Psychological Foundations

- EDFN 510 - Advanced Study: Learning Theory and Education (4)
- EDFN 530 - Advanced Study in Human Development (4)

##### Social Foundations

- EDFN 508 - Philosophy of Education (4)
- EDFN 525 - Educational Sociology (4)
- EDFN 550 - Contemporary Social Theory and Issues in Urban Education (4)
- EDFN 552 - Policy Studies in Urban Education (4)

#### Electives in Education (4–13 units)

Select courses in education with adviser approval.

#### Electives in Cognate Area (0–10 units)

Select with adviser approval.

#### Comprehensive Examination or Thesis or Project (0, 7 units)

- EDFN 596 - Comprehensive Exam (0)  
or

EDFN 599A - Thesis or Project Planning (3)

**and**

- EDFN 599B - Thesis or Project (2)

**and**

- EDFN 599C - Thesis or Project (2)

## Education: Option in New Media Design and Production, M.A. (suspended program)



The New Media Design and Production option prepares school or industry-based specialists who combine skills in applying computer technology with advanced video and multimedia techniques to enhance the learning experience of students at all levels.

Note: Teachers who plan to teach in public California K-12 classrooms or work as school-level or district-level computer coordinators must obtain a California teaching credential.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a minimum 2.75 grade point average in the last 90 quarter units attempted and must have completed a course or courses covering computer literacy and applications in education (EDIT 430 or EDIT 431).

Students must make written application to the Charter College of Education and the Division of Applied and Advanced Studies in Education.

#### Requirements for the Degree (45 units)

A total of 45 or more units is required, with at least 23 units in 500-level courses. A comprehensive examination or a thesis or project is also required. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses* earlier in this chapter.

#### Prerequisites

- EDIT 430 - Information Technologies in the Classroom (4)  
or
- EDIT 431 - Advanced Computer Applications in Education (4)

#### Required Courses (30 units)

- EDFN 500 - Evaluation of Educational Research (4)
- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)
- EDIT 501 - Instructional Design of Mediated Instruction (4)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 557 - Computer Assisted and Managed Instruction (5)
- EDIT 580 - Applied Experience in Instructional Technology (4)

#### Electives (8 or 15 or more units in Instructional Technology) or related fields

Select from the following, depending on the choice of thesis, project, or comprehensive examination—total units in program must be 45 or more with 23 units or more at the 500-level.

- EDIT 435 - Computer Systems in Education (4)
- EDIT 472 - World Builders (5)
- EDIT 490 - Special Topics in Instructional Technology (2–5)
- EDIT 540 - Instructional Graphics Design and Production (5)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 554 - Video Technology in Education (4)
- EDIT 556 - Technology Leadership in Schools (5)
- EDIT 560 - Internet and the World Wide Web in Education (4)
- EDIT 565 - Distance Learning (5)
- EDIT 594 - Selected Studies in Instructional Technology (1-4)

#### Comprehensive Examination or Thesis or Project (0 or 7 units)

Students should expect to take the comprehensive examination (EDFN 596) during the Fall or Spring Quarter and must comply with College and division requirements.

- EDFN 596 - Comprehensive Exam (0)  
or
- EDFN 599A - Thesis or Project Planning (3) \*

- and**
  - EDFN 599B - Thesis or Project (2) \*
  - and**
  - EDFN 599C - Thesis or Project (2) \*
- \*Students who do a thesis are required to take a second course in educational research methodology such as EDFN 452 (with adviser approval).*

## Education: Option in Research and Evaluation, M.A. (suspended program)



The Option in Research and Evaluation offers candidates the opportunity to examine theory and practice in educational research and evaluation; to participate in research or evaluation projects in school districts, non-profit organizations or at the university, and to assume leadership roles in research and evaluation. This program incorporates a specialization in research and evaluation into an existing Master's Degree program. The program of study requires the completion of a minimum of 45-quarter units. The four quarter program consists of courses in program evaluation, evaluation of federal and state programs, assessment, and quantitative and qualitative research methods, as well as a practicum. A concentration in evaluating mathematics and science programs is available to students who majored or minored in mathematics or science.

### Admission to the Program

In addition to university requirements for admission to graduate study. Applicants must meet the conditions for classified graduate standing and satisfy the following criteria;

- Have a 3.0 GPA in their last 90 quarter units
- Have a bachelors degree
- Submit 2 letters of reference
- Attend a screening interview with a faculty member

### Requirements for the Degree (45 units)

A total of 45 or more units is required, with at least 23 units in 500-level courses. A comprehensive examination or a thesis or project is required. There is a limit on credit that may be earned in variable-unit courses. See restriction on credit earned in variable unit courses earlier in this chapter.

#### Required courses: (32 units)

- EDFN 452 - Statistics in Education (4)
- ULRN 460 - Assessment and Learning (4)  
or
- EDCI 511 - Advanced Classroom Assessment in the Urban School (4) (also listed as )
- EDFN 500 - Evaluation of Educational Research (4)
- EDFN 505 - Qualitative Research in Education (4)
- EDFN 521 - Program Evaluation Theory and Design (4)
- EDFN 541 - Evaluation of State and Federal Programs (4)
- EDFN 594 - Selected Studies in Education (1-5) (4)
- EDFN 595 - Field Experience in Evaluation (Practicum) (4)

#### Electives (5-13 units)

Select 5-13 units from the following lists (electives also include the math and science concentration as part of the selection), depending on the choice of thesis, project, or comprehensive examination-total units in program must be a minimum of 45 units with 23 units or more at 500-level.

- EDFN 552 - Policy Studies in Urban Education (4)
- EDFN 594 - Selected Studies in Education (1-5) (4)
- EDFN 598 - Graduate Directed Study (1-4)
- PSY 491 - Multivariate Statistics (5)
- PSY 515 - Advanced Statistical Methods in Psychology (4)
- SOC 410 - Advanced Statistics (4)
- TESL 567B - Current Issues in Language Testing (4)

#### Mathematics and Science Concentration Electives:

- EDCI 552 - Scientific Processes and Authentic Assessment Strategies (4)
- EDCI 584 - Learning Theories and Cognitive Science in Math Education (4)



## Comprehensive Exam or Thesis/Project (0, 7 units):

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Students should expect to take the comprehensive exam (EDFN 596) during the fall or spring quarter and must comply with college and division requirements.

- EDFN 596 - Comprehensive Exam (0)  
**or**
- EDFN 599A - Thesis or Project Planning (3)  
**and**
- EDFN 599B - Thesis or Project (2)  
**and**
- EDFN 599C - Thesis or Project (2)

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## Educational Administration, M.A.



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The Master of Arts degree in Educational Administration offers an Option in Educational Leadership.

### Admission to the Program

In addition to general university requirements for admission to graduate study, applicants to a master's degree program must meet the following requirements:

- Possession of a baccalaureate degree from a regionally' accredited institution of higher education.
- Positive review of application materials and assignment of permanent advisor.
- A valid California professional teaching credential or any equivalent credential approved by the California commission on teacher credentialing.
- A 2.75 grade point average in the last 90 quarter units attempted.
- Two years of successful teaching or service experience in K-12 schools with a California Professional Teaching Credential or any equivalent credential approved by the California Commission on Teacher Credentialing.
- Successful completion of the writing proficiency examination (WPE) or any equivalent inventory approved by the university.
- Two (2) positive recommendation letters, including one from a practicing school administrator.
- Meeting of admission standards developed by the division (refer to the current EDAD student handbook).
- Orientation/screening interviews with program faculty.
- A program of study approved by the adviser and division chair.

### Requirements for the Degree (54-58 units)

A minimum of 54 units is required, including at least 29 units in 500-level courses and an acceptable digital portfolio presented through EDAD 590 and Comprehensive Exam, or a thesis or project. There is a limit on credit that may be earned in variable-unit courses. See *Restrictions on Credit Earned in Variable Unit Courses in the Charter College of Education*.

Residency Requirement—at least 32 quarter units for the Master of Arts degree in Educational Administration program must be completed in residence at Cal State LA.

#### Required Core (32 units):

- EDAD 501A - Introduction to Educational Administration (4)
- EDAD 561A - Educational Leadership (4)
- EDAD 562A - Research and Data Assessment (4)
- EDAD 563A - Pluralism, Collaboration, and Social Justice (4)
- EDAD 564A - School Law (4)
- EDAD 565A - Instructional Leadership (4)
- EDAD 566A - School Management (4)
- EDAD 567A - School Finance (4)

#### Educational Leadership Option (19 units)

##### Required Courses (19 units)

- EDAD 501B - Laboratory for Educational Administration Digital Portfolios (2) (4)
- EDAD 561B - Fieldwork in Educational Leadership (2)
- EDAD 562B - Fieldwork in Research and Data Assessment (2)
- EDAD 563B - Fieldwork in Pluralism, Collaboration, and Social Justice (2)
- EDAD 564B - Fieldwork in School Law (2)
- EDAD 565B - Fieldwork in Instructional Leadership (2)
- EDAD 566B - Fieldwork in School Management (2)
- EDAD 567B - Fieldwork in School Finance (2)
- EDAD 581 - Clinical Internship (3)

##### Culminating Experience (3-7 units)

- \* EDAD 590 - Reflection and Portfolio Assessment (3)

- **and**
- EDFN 596 - Comprehensive Exam (0)
- **or**
- EDAD 599A - Thesis or Project Planning (3)
- **and**
- EDAD 599B - Thesis or Project (2)
- **and**
- EDAD 599C - Thesis or Project (2)

**Note:**

*\*To be taken during the last quarter of the program.*



# Teaching English to Speakers of Other Languages (TESOL), M.A.

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The Master of Arts Degree in Teaching English to Speakers of Other Languages (MA TESOL) prepares teachers for a wide variety of positions both in the U.S. and abroad. Students may select coursework that prepares them for several career choices, including the following: English as a Second Language (ESL) or English as a Foreign Language (EFL) instruction in the U.S. or in a non English-speaking setting abroad; K-12, adult education, or post secondary settings; and research in Applied Linguistics. The program emphasizes language acquisition processes, teaching methodology, linguistics, language testing, research, and sociocultural influences.

## Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a 2.75 grade point average in the last 90 quarter units attempted. Students must first apply for admission to the University in graduate standing. Then, they must make formal application to the Charter College of Education and the TESOL Program. Once they gain admission to the university with graduate status, they must consult a faculty adviser for program planning.

## Prerequisites

### All Students:

- ENGL 401 English Language in America (4) **or** TESL 400 Linguistics in Language Education (4) with grade of *B* or better.
- One year of college level study in a foreign language or equivalent.

### For Visa Students (in addition):

- Minimum 600 (paper-based or 250 computer-based) score on TOEFL, with at least 60 on each of the sections, *or 550 score on TOEFL and minimum 5 score on Test of Written English.*

## Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 units in 500- level courses. A comprehensive examination, or a thesis or project is also required. There is a limit on credit that may be earned in variable-unit courses. See *Restrictions on Credit Earned in Variable Unit Courses.*

### Required Core (32 units)

- TESL 560 - Theories of Teaching and Learning Second Languages (4)
- ENGL 405 - Modern English Grammar (4)  
**or**
- TESL 561 - Pedagogical Grammar for Teachers ESL/EFL
- TESL 562 - Methods for Teaching Second Languages (4)
- TESL 564 - Teaching English as a Second Language for Academic Purposes (4)
- TESL 567A - Language Testing (4)
- \* TESL 568 - Practicum in English as a Second Language (4)
- TESL 570 - Educational Sociolinguistics (4)  
**or**
- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
- \*\* EDFN 500 - Evaluation of Educational Research (4)

### Notes:

*\*May be waived for students with substantial ESL/EFL teaching experience who successfully demonstrate their teaching competency (must be certified by a TESOL program faculty member).*

*\*\* Students who choose to write a thesis are required to obtain an adviser's approval and must take a second course in statistics, EDFN 452.*

## Electives

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Select remaining units from the following, with adviser approval:

- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
  
- COMD 456 - Development of Verbal Behavior in Childhood (4)
- EDCI 453 - Teaching in Bilingual/Crosscultural Schools (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDFN 452 - Statistics in Education (4)
- EDIT 430 - Information Technologies in the Classroom (4)
- ENGL 400 - Introduction to Linguistics (4)
- ENGL 405 - Modern English Grammar (4)
- ENGL 504 - Seminar: Theories of Composition and Rhetoric (4)
- ENGL 505 - Seminar: Language and Literacy (4)
- TESL 561 - Pedagogical Grammar for Teachers ESL/EFL
- TESL 565 - Using Computers in the Language Classroom (4)
- TESL 566 - English Phonetics for Second Language Teachers (4)
- TESL 567B - Current Issues in Language Testing (4)
- TESL 569 - Language Planning and Language Policy (4)
- TESL 570 - Educational Sociolinguistics (4)
- TESL 571 - Seminar: Discourse Analysis in the Language Classroom (4)
- TESL 572 - ESL/EFL Course, Syllabus and Materials Design (4)
- TESL 573A - Seminar: Issues in Classroom Second Language Acquisition (4) \*
- TESL 573B - Current Issues in Second Language Research (4) \*
- TESL 574 - Educational Psycholinguistics (4)
- TESL 575 - EFL/ESL Reading-Writing Connections (4)
- TESL 597 - Graduate Research (1-4)
- TESL 598 - Graduate Directed Study (1-4)

**Note:**

\*May be repeated once for credit with prior approval of a TESOL adviser.

## Comprehensive Examination or Thesis or Project (0, 7 units)

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- TESL 596 - Comprehensive Examination (0)  
**or**
- TESL 599A - Thesis of Project Planning (3) \*\*  
**and**
- TESL 599B - Thesis or Project (2) \*\*  
**and**
- TESL 599C - Thesis or Project (2) \*\*

**Notes:**

*\*Students should expect to take the comprehensive examination (TESL 596) during the Fall or Spring Quarter and must comply with College and division requirements.*

*\*\*Students who do a thesis are required to obtain adviser approval and are required to take a second course in statistics (EDFN 452). Selection of an appropriate thesis or project topic may allow students to substitute thesis or project units for other course work in the program, with adviser approval.*

# Doctor of Education (Ed.D.) in Educational Leadership Specialization in PreK-12 Leadership



The doctoral program in Educational Leadership with a Specialization in PreK-12 Education is designed to prepare educators to lead reform efforts in California's Pre-Kindergarten through 12th grade schools. The degree program is designed specifically for working professionals in the field of education. The Ed.D. in Educational Leadership has three emphases: School and System Redesign, Urban Teaching and Learning, and Students' Special Needs, Supports and Services.

## Admission to the Program

For admission to the program, applicants must have:

1. An earned baccalaureate degree and master's degree from accredited institution of higher education with a cumulative grade point average of 3.0 in upper division courses and 3.25 or above in graduate study. Official transcripts are required.
2. A professional resume.
3. Demonstrated excellence in writing as demonstrated by samples of academic and professional documents.
4. Submission of Graduate Record Examination (GRE) scores on the three sections of the General Test; GRE scores from the previous five (5) years are acceptable as valid for this purpose.
5. Three confidential letters of recommendation attesting to the leadership and scholarship potential of the applicant. One letter must be from a university faculty member who is familiar with the applicant's work. One letter must be from a person who has supervised the applicant in an employment setting and the final letter must address the applicant's fit for the selected emphasis area.
6. A written statement of professional purpose that reflects an understanding of the future challenges facing schools and the community they serve.

## Requirements for the Degree (60 semester units)

A total of 60 semester units is required, with at least 30 in 600-level courses and including 12 dissertation units. Students must pass a qualifying examination and complete a dissertation. Only students who have been admitted to the doctoral program may enroll in doctoral courses, with prior approval of the Doctoral Program Director. There is a limit on credit that may be earned in variable-unit courses. See Restrictions on Credit Earned in Variable Unit Courses in the Charter College of Education section in the Academic Programs: College-based and University-wide chapter in the catalog.

## Required Core Courses (24 units)

- EDAD 601 - Organizational Theory and Leadership for Change (3\*)
- EDAD 605 - Advocacy, Community Engagement and Governance: The Social and Political Contexts of Education (3\*)
- EDCI 660 - Teaching and Learning in Diverse Urban Settings: Equity, Access, and Achievement (3\*)
- EDFN 641A - Using Quantitative Methods to Analyze Inequitable Schooling Outcomes and to Target Improvement (3\*)
- EDFN 641B - Using Qualitative Research to Explore Teaching and Learning for Diverse Urban Settings (3)
- EDFN 641C - Practitioner Research Embedded in School Communities (3\*)
- EDSP 600 - Seminar: Understanding and Using Research to Answer Questions about Diverse Urban Schools (3\*)
- EDSP 604 - Disability, Race, Language, and Gender: Educational Equity, School Policy, and the Law (3\*)

## Required Emphasis Courses (6 units)

Select from the following based on emphasis:

- EDAD 604 - Culturally and Linguistically Responsive Institutions (3\*)
- EDCI 675 - Advanced Pedagogical Strategies for Achieving Equity (3\*)
- EDCI 677 - Leadership in Curriculum and Assessment for Linguistically and Culturally Diverse Urban Students (3\*)
- EDFN 614 - Evaluation Methods for Urban Educational Leadership (3\*)
- EDSP 640 - Research on Exceptional Students from Diverse Cultural and Linguistic Backgrounds (3\*)
- EDSP 660 - Seminar: Research on Learning Disabilities and Behavior Disorders (3\*)

## Required LAB Courses (15 to 27 units)

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Select from the following based on emphasis:

- EDHI 603 - Introduction to Doctoral Research (2)
- EDHI 605F - Faculty Research Lab (2) <sup>1.</sup>
- EDHI 605C - Community Research Lab (2) <sup>2.</sup>
- EDHI 605D - Dissertation Research Lab (2) <sup>3.</sup>
- EDHI 605E - Extended Research Lab (2) <sup>4.</sup>

1. *Repeated until Advanced to Candidacy.*
2. *Will be taken twice.*
3. *Will be taken along with EDAD 699*
4. *As needed; may be repeated up to 8 times.*

## General Electives (3 units)

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To complete the 60 semester units, select, with advisor approval, additional classes from the emphasis courses above, or any of the following:

- COUN 601 - Research Methods in Single Subject Design (3\*)
- EDAD 606 - Designing Future Learning Systems (3\*)
- EDCI 635 - Teachers, Leadership, and Power in Urban Schools (3\*)
- EDFN 615 - Seminar: Assessment and Data Driven Decision-Making (3\*)
- EDIT 600 - Educational Technology Leadership (3\*)
- EDSP 640 - Research on Exceptional Students from Diverse Cultural and Linguistic Backgrounds (3\*)
- TESL 600 - Language Planning and Policy (3\*)

## Dissertation Courses (12 units)

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- EDFN 626 Designing and Writing the Doctoral Dissertation Proposal (3) <sup>1.</sup>
- EDAD 699 - Doctoral Dissertation (3) <sup>2.</sup>
- EDAD 695 - Guided Study for the Dissertation (3) <sup>3.</sup>

1. *May be repeated for credit.*
2. *Must be taken 3 times for a total of 9 units.*
3. *Units do not count toward degree completion. Course may be repeated until proposal defense.*

## Additional Course(s) (TBD)

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- EDAD 698 - Graduate Directed Study (1–8)

# Graduate Certificate Program in Computer Applications in Schools

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The postbaccalaureate credit certificate program in Computer Applications in Schools is designed to prepare teachers to use computers in their classrooms and to take leadership roles in their schools. Those who complete the program will be prepared to teach students about computers; to incorporate computers in their instruction; to select and modify instructional software; to evaluate and select hardware; to create multimedia and hypermedia and to use computers to manage classrooms and schools. Completion of this credit certificate program requires 28 units in core and elective courses with a minimum B (3.0) average. Refer to the Graduate and Post-Baccalaureate Studies: General Information section for general regulations governing all certificate programs.

## Requirements for the Certificate (28 units)

### Prerequisite

- EDIT 430 - Information Technologies in the Classroom (4)  
or
- EDIT 431 - Advanced Computer Applications in Education (4)  
or
- CS 160 - Introduction to Computers (3)

### Core (16 units)

- EDIT 435 - Computer Systems in Education (4)
- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)
- EDIT 501 - Instructional Design of Mediated Instruction (4)

### Electives (12 or more units)

Recommended electives (at least 2 courses must come from the following list)

- EDEL 480 - Teaching Problem Solving with LOGO (4)
- EDEL 580 - Computer Applications for Teaching Mathematics and Science (2)
- EDCI 583 - Application of Hypermedia in Instruction (4)
- EDIT 472 - World Builders (5)
- EDIT 556 - Technology Leadership in Schools (5)
- EDIT 560 - Internet and the World Wide Web in Education (4)
- EDSP 508 - Technology Applications in Special Education (4)

### The Following electives are also available

- EDIT 490 - Special Topics in Instructional Technology (2–5)
- EDIT 540 - Instructional Graphics Design and Production (5)
- EDIT 550 - Multimedia Design and Production (5)
- EDIT 554 - Video Technology in Education (4)
- EDIT 557 - Computer Assisted and Managed Instruction (5)
- EDIT 565 - Distance Learning (5)
- EDIT 580 - Applied Experience in Instructional Technology (4)
- EDIT 594 - Selected Studies in Instructional Technology (1-4)
- EDAD 545 - Seminar: Technology for Instructional and Organizational Change (3)

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Computer Applications in Schools

**Occupations that this certificate program prepares students to enter:**

-Preschool, Primary, Secondary, and Special Education School Teachers; SOC Code 25-2000;

[www.onetonline.org/link/summary/25-2011.00](http://www.onetonline.org/link/summary/25-2011.00) ;

[www.onetonline.org/link/summary/25-2012.00](http://www.onetonline.org/link/summary/25-2012.00) ;

[www.onetonline.org/link/summary/25-2021.00](http://www.onetonline.org/link/summary/25-2021.00) ;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00);

[www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00) ;

[www.onetonline.org/link/summary/25-2022.00](http://www.onetonline.org/link/summary/25-2022.00) ;

[www.onetonline.org/link/summary/25-2042.00](http://www.onetonline.org/link/summary/25-2042.00) ;

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL)



This postbaccalaureate credit certificate program is designed to prepare students to teach English as a second language (ESL) in post-secondary settings in the U.S. or to teach English as a foreign language (EFL) abroad. Specifically, the program is designed for (A) students who hold a master's degree in a discipline other than ESL or applied linguistics and wish to be certified to teach ESL in a community college or university and (B) students who plan to teach EFL abroad.

## Admission to the Program

Apply for formal admission to the program through the Division of Applied and Advanced Studies in Education.

### Requirements for the Certificate (minimum 32 units)

*In addition to course requirements, a passing grade for UNIV 400, Writing Proficiency Examination (WPE), is required for issuance of the certificate. A minimum B (3.0) grade point average is required in all course work on the program. Refer to the Graduate and Postbaccalaureate Study chapter of this catalog for general regulations governing all certificate programs.*

### Required Courses (32 units)

The following sequence is recommended:

- TESL 560 - Theories of Teaching and Learning Second Languages (4)
- TESL 561 - Pedagogical Grammar for Teachers ESL/EFL
- TESL 562 - Methods for Teaching Second Languages (4)
- TESL 564 - Teaching English as a Second Language for Academic Purposes (4)
- TESL 567A - Language Testing (4)
- TESL 568 - Practicum in English as a Second Language (4)
- TESL 572 - ESL/EFL Course, Syllabus and Materials Design (4)
- ENGL 401 - English Language in America (4)

### Optional Electives

Select with adviser approval.

- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
- COMD 456 - Development of Verbal Behavior in Childhood (4)
- EDCI 453 - Teaching in Bilingual/Crosscultural Schools (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDFN 452 - Statistics in Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)

### Optional Electives

- ENGL 400 - Introduction to Linguistics (4)
- ENGL 403 - Language and Culture (4)
- ENGL 405 - Modern English Grammar (4)
- ENGL 504 - Seminar: Theories of Composition and Rhetoric (4)
- ENGL 505 - Seminar: Language and Literacy (4)
- EDIT 430 - Information Technologies in the Classroom (4)
- TESL 565 - Using Computers in the Language Classroom (4)
- TESL 566 - English Phonetics for Second Language Teachers (4)
- TESL 567B - Current Issues in Language Testing (4) \*
- TESL 569 - Language Planning and Language Policy (4)
- TESL 570 - Educational Sociolinguistics (4)
- TESL 571 - Seminar: Discourse Analysis in the Language Classroom (4)
- TESL 573A - Seminar: Issues in Classroom Second Language Acquisition (4) \*
- TESL 573B - Current Issues in Second Language Research (4) \*
- TESL 574 - Educational Psycholinguistics (4)
- TESL 597 - Graduate Research (1-4)
- TESL 598 - Graduate Directed Study (1-4)

\* May be repeated once for credit with prior approval of a TESOL advisor.

## U.S. Department of Education Gainful Employment Disclosure

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**Program:** English as a Second/Foreign Language

**Occupations that this certificate program prepares students to enter:**

-Teachers of English as a Second Language; SOC Code 25-3011;

[www.onetonline.org/link/summary/25-3011.00](http://www.onetonline.org/link/summary/25-3011.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.



## Preliminary Administrative Services Credential

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Regulations, policies, and procedures governing the program for the Preliminary Administrative Services credential, available from the division office, were developed in accordance with guidelines developed by the California Commission on Teacher Credentialing. The program is based on a set of competencies necessary for successful performance as a California school administrator.

### Admission to the Program

In addition to general university requirements for admission to graduate study, applicants to the Preliminary Administrative Services Credential program must meet the following requirements:

- Possession of a baccalaureate degree from a regionally accredited institution of higher education.
- A 2.75 grade point average in the last 90-quarter units attempted.
- Positive review of application materials and assignment of permanent advisor.
- Two years of successful teaching experience in K-12 schools with a California Professional Teaching Credential or any equivalent credential approved by the California Commission on Teacher Credentialing.
- Successful completion of the Writing Proficiency Examination (WPE) or any equivalent inventory approved by the university.
- Two (2) positive recommendation letters, including one from a practicing school administrator.
- Meeting of admission standards developed by the division (refer to the EDAD student handbook).
- Orientation/screening interviews with program faculty.

A program of study approved by the advisor and division chair.

Upon completion of the program, receiving division recommendation and submitting an application and attendant fees, candidates receive a Certificate of Eligibility for the Preliminary Administrative Services Credential. The certificate authorizes one to seek initial employment as an administrator, but does **not** authorize ongoing administrative service. The certificate of eligibility is converted to the Preliminary Administrative Services credential upon confirmation of employment as an administrator for all administrative and supervisory services from prekindergarten through grade 12 in California public schools. This credential is valid for 5 years and must be replaced by a professional administrative services credential before it expires.

### Minimum Credential Requirements (54 units)

The following requirements **are subject to change without notice**. Students should consult the division for current requirements. Minimum requirements for issuance of the Preliminary Administrative Services Credential include:

- Residency Requirement: At least 32 quarter units for the Preliminary Administrative Services credential program must be completed in residence at Cal State LA.
- All courses for completing the credential must be completed within 7 years from when the first course is taken.
- Fifty-four units of acceptable postbaccalaureate course work as listed below.
- Completion of the required courses.
- A passing score on the California Basic Educational Skills Test (CBEST).
- Three years of successful full-time classroom teaching experience or equivalent K-12 school experiences that are approved by the California Commission on Teacher Credentialing.
- Completion and successful presentation of a professional digital portfolio.
- A valid California Professional Teaching Credential or any equivalent credential approved by the California Commission on Teacher Credentialing.

### Required Courses (54 units)

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#### Recommended Sequence:

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- EDAD 501A - Introduction to Educational Administration (4)
- EDAD 501B - Laboratory for Educational Administration Digital Portfolios (2)

- EDAD 561A - Educational Leadership (4)
- EDAD 561B - Fieldwork in Educational Leadership (2)
- EDAD 562A - Research and Data Assessment (4)
- EDAD 562B - Fieldwork in Research and Data Assessment (2)
- EDAD 563A - Pluralism, Collaboration, and Social Justice (4)
- EDAD 563B - Fieldwork in Pluralism, Collaboration, and Social Justice (2)
- EDAD 564A - School Law (4)
- EDAD 564B - Fieldwork in School Law (2)
- EDAD 565A - Instructional Leadership (4)
- EDAD 565B - Fieldwork in Instructional Leadership (2)
- EDAD 566A - School Management (4)
- EDAD 566B - Fieldwork in School Management (2)
- EDAD 567A - School Finance (4)
- EDAD 567B - Fieldwork in School Finance (2)
- EDAD 581 - Clinical Internship (3)
  
- \* EDAD 590 - Reflection and Portfolio Assessment (3)  
**and**
- EDAD 595 - Seminar: Candidate Assessment (3)  
*\*To be taken during the last quarter of the program*

# CLEAR Administrative Services Credential



The program is designed for new administrators to meet the performance standards of the California clear administrative services credential. The credential licenses holders to perform all administrative and supervisory services in grades prekindergarten–12 in California public or private schools.

The Clear Administrative Services Credential is valid for a period of five years, and is renewable by submitting the normal application and fee to the California Commission on Teacher Credentialing (CCTC).

## Admission to the Program

- A Master's degree
- A valid preliminary (Tier 1) Administrative Services Credential
- A valid basic credential used to obtain the Tier 1 Administrative Services Credential
- Two (2) positive recommendation letters, one including from the mentor
- Verification of employment as an administrator
- Passing score on UNIV 400, The Writing Proficiency Examination (WPE) or acceptable alternative by petition.
- Passing score on California Basic Educational SkillsTest (CBEST)

## Minimum Credential Requirements (16 units)

The following requirements are subject to change without notice. Students should consult the division for current requirements. Minimal requirements for issuance of the clear administrative services credential include:

- A Master's degree
- Successful completion of all required courses
- A valid preliminary (Tier I) Administrative Services Credential
- A valid basic credential used to obtain the Tier I Administrative Services Credential
- Two (2) positive recommendation letters, one including from the mentor
- Two (2) years of successful full-time experience as an administrator with Tier I Administrative Services Credential
- Passing score on UNIV 400, The Writing Proficiency Examination (WPE) or acceptable alternative by petition.
- Passing score on California Basic Educational Skills Test (CBEST)

## Required Courses (12 units)

- EDAD 596A - Reflection and Self-Assessment of Professional Educational Leadership (6)
- EDAD 596B - Professional Portfolio Assessment (6)

## Elective Courses (4-36 units)

Each candidate takes one or more electives based on the induction plan developed with the advisor and the mentor.

- EDAD 598 - Graduate Directed Study (1–4)
  - EDAD 552 - Seminar: Instructional and Organizational Change in Socio-Culturally Diverse Schools (3)
  - EDAD 545 - Seminar: Technology for Instructional and Organizational Change (3)
  - EDAD 533 - Legal Research in Educational Administration (3)
  - EDAD 539 - Seminar: Leadership through Personnel & Contract Administration (3)
  - EDAD 543 - Seminar: Advanced Fiscal Management (3)
  - EDAD 582 - Practicum: Field Work (3)
- Other electives, including 120 hours of administrative non-university activities, may be selected with the approval of adviser.



## Division of Curriculum and Instruction

Robert Land, Chair  
King Hall C2097  
Phone: (323) 343-4350  
E-Mail: rland@calstatela.edu  
Website: [www.calstatela.edu/academic/ccoe/index\\_edci.htm](http://www.calstatela.edu/academic/ccoe/index_edci.htm)

### ***Program Advisement provided for:***

The Charter College of Education's Division of Curriculum and Instruction offers program advisement for master's degree programs in elementary and secondary teaching and for the preliminary and professional credential programs approved by the California Committee on Accreditation. These programs are described in this section. Other general information about credentials and degree programs can be found in the Undergraduate Studies: General Information and Graduate and Post-Baccalaureate Studies: General Information chapters of this catalog.

### ***Courses Offered in:***

- Curriculum and Instruction (EDCI)
- Elementary Education (EDEL)
- Secondary Education (EDSE)

### ***Credentials Offered:***

Multiple Subject, Multiple Subject Internship; Single Subject, Single Subject Internship; and the Reading and Language Arts Specialist Credential

### ***Degrees Offered:***

M.A. in Education: Options in: Bilingual/Multicultural Education in the Elementary Classroom; Creative Literacies and Literature in the Elementary Classroom; Curriculum and Instruction in the Urban School; Early Childhood Primary/Education; Mathematics Education; Reading; Science Education: M.A. in Education, Option in Middle and Secondary Curriculum and Instruction with Concentrations in: Reform in Middle and Secondary Urban Schools; Crosscultural, Language and Academic Development; Content Area Specialization; Integrating Critical and Reflective Thinking Throughout the Curriculum; Language Arts/Literacy; Mathematics Pedagogy, Science Pedagogy; and, Instructional Technology.

### ***Certificates Offered:***

Reading; Storytelling.

## **The Faculty**

**Professors:** Olaiya Aina, John Eichinger, Joan Fingon, Carolyn Frank, Robert Land (Chair), Andrea P. Maxie, Ramakrishnan Menon (Chair), Darlene M. Michener, Joan Sabrina Mims, Margaret Moustafa, John V. Shindler, Sharon Hilda Ulanoff, Frederick Uy, Judith M. Washburn, Gay Q. Yuen.

**Associate Professors:** Paula Arvedson, Anna Chee, Rebecca Joseph, Kimberly Persiani, Ambika Raj.

**Assistant Professors:** Mario Castaneda, Jennifer McCormick, A. Dee Williams.

**Emeriti:** T. Jean Adenika-Morrow, Ratna Appadurai, Ralph Arroyo, Ann Barbour, Ann Bingham-Newman, James A. Bolton, Herminia G. Cadenas, Doris C. Ching, Alan N. Crawford, Earl W. Denny, Norman L. Ellenberg, Jewell L. Garner, Gloria S. Graham, Robert O. Hahn, Cherie Hawley, Dorothy L. Keane, Dale L. Knapp, Frances Kuwahara-Chinn, Raquel Montenegro, Rosario Morales, Joy Morin, Donald A. Nielsen, Anne M. Palmer, Edythe Rodriguez, Noriko Saito, Norman Unrau, Philip D. Vairo, Wanna M. Zinsmaster.

## ***Admission to Credential Programs***

## ***Admission Requirements for Multiple Subject and Single Subject Credential Programs***

Under current laws and regulations, the California Commission on Teacher Credentialing initially issues a credential, permit, or certification, or renewal of an emergency permit, only to persons to serve in the public schools who have demonstrated proficiency in basic reading, writing, and mathematics skills in the English language. The Superintendent of Public Instruction has adopted the California Basic Educational Skills Test (CBEST) as the state assessment instrument to measure teacher proficiency in the basic skills. Further information is available at the Charter College of Education Office for Student Services, KH D2078.

Admission requirements are based on *Title 5, California Code of Regulations*, and University regulations. Students seeking admission to Cal State L.A. teaching credential programs must enroll in EDCI 300, *The Teaching Profession: Education as a Career and Learners and Teachers in a Cultural Setting*. Requirements for preliminary admission to credential programs include the following:

- Complete application form.
- Record of a successful oral interview with faculty adviser and completion of *Program Planning Sheet* (signed by adviser).
- Verification of academic eligibility, as evidenced by a GPA of 2.75 in the last 90 quarter units of coursework.
- Verification of negative TB test (taken within the last year) by a personal physician or at the Cal State L.A. Health Center.
- Verification of having applied for the *Certificate of Clearance*.
- Successful completion of a supervised early field experience.
- A written personal history that includes a statement of professional goals and educational philosophy.
- Transcripts and letters of reference received and evaluated.
- Students must complete all requirements to receive credit in EDCI 300.

## ***Completion of Admission Requirements***

Students must satisfy the following criteria before registering for any restricted courses.

- Minimum C grade or credit in COMM 150.
- Verification of completion of PSY 150 or equivalent.
- Pass UNIV 400, the *Writing Proficiency Examination (WPE)*, or acceptable alternative by petition.
- Verification of having taken the CBEST. (Students who have not passed the CBEST prior to entry into the credential program must have an approved plan of remediation on file with the Office of Student Services in the Charter College of Education.)
- Verification of having attempted the CSET (California Subject Examination for Teachers) or an approved subject matter preparation program. (Multiple Subject only)

Students are formally admitted to the teaching credential program upon completion of requirements stated above.

## ***Admission Requirements for Multiple Subject Internship Credential Program***

- Employment or commitment by a school district to employ the individual as a full-time teacher.
- Completion of an approved subject matter preparation program or passage of CSET.
- Completion of all requirements for admission to Preliminary Credential Programs.
- Passage of a U.S. Constitution course or its equivalent.

## ***Admission Requirements for Professional, Clear Multiple Subject and Single Subject Credential Programs***

*(for transfer students who hold a preliminary credential)*

Students who complete the preliminary credential at Cal State L.A. and maintain continuing student status, may continue the study toward the professional clear credential without additional application to the Charter College of Education. Transfer students must meet the following requirements. State of California teaching credential requirements include a fifth year of study completed after the baccalaureate. Students may elect to complete all or part of their professional requirements in the fifth year and must follow a planned course of study approved by their adviser. In some instances, courses that are taken as part of a master's degree program may also count toward completion of the fifth year credential requirement. All students who desire University recommendation for completion of the clear credential *must be formally admitted to the University and satisfy any writing or speech requirements pertaining to all postbaccalaureate students.*

- Apply to the Charter College of Education Office for Student Services.
- Provide a copy of your valid Multiple Subject or Single Subject credential.
- Verify the minimum grade point average. Consult the Office for Student Services for the required grade point average.
- See an adviser for oral interview and to plan credential program.
- Provide official transcripts of all college/university work to the Charter College of Education Office for Student Services.
- Pass UNIV 400, the *Writing Proficiency Examination (WPE)*, or acceptable alternative by petition.

## ***Directed Teaching Information***

Directed teaching is one of the most important phases of teacher education at Cal State L.A. Candidates are not automatically admitted to directed teaching by completion of course work alone; they must fulfill the following criteria.

- Formal admission to the teaching credential program.
- Attendance at directed teaching orientation meeting held the first Saturday of the quarter preceding the assignment.
- Application for directed teaching by application deadline (consult the Office for Student Services for the deadline date).
- Submit verification of completion of a Commission approved Elementary Subject matter program (for Multiple Subject credentials) or Single Subject matter program (for Single Subject credentials) or passing score on CTC approved subject matter assessments or recommendation of subject-area department. Approved subject matter programs for the Multiple and Single Subject Credentials are listed in the Undergraduate Study chapter of this catalog.
- Provide transcripts or grade reports verifying completion of at least 12 credential coursework units at Cal State L.A. and all prerequisite courses. A minimum grade point average of B (3.0) and grades of C or higher are required in all professional education courses.
- Submit verification of passing scores on all sections of CBEST.
- Present a Certificate of Clearance or a valid credential or permit issued by the California Commission on Teacher Credentialing at Office for Student Services, KH D2078.
- Submit verification of negative TB test taken within one year before completion of directed teaching by a personal physician or at Cal State L.A. Health Center.
- Register for *directed teaching or demonstration of competencies* as appropriate.

Applicants for multiple subject directed teaching must show proficiency in art, music, and physical education, either by examination or completion of appropriate courses.

Students who meet all of the above criteria and who have completed the prerequisite course work will be approved for directed teaching. Because of the amount of time and work required for directed teaching, students are advised to restrict the number of units taken during directed teaching and curtail their out-of-school workload for the duration of such assignments.

*Please Note: In order for education methodology courses for the Multiple Subject and Single Subject credentials to apply, they must be completed within 7 years of the date of application for the preliminary credential.*

## ***Supplementary Authorizations***

Holders of a Single Subject or Multiple Subject credential issued by the state of California may add a supplemental authorization to teach in another discipline by completing additional course work. Interested students should consult the Charter College of Education Office for Student Services for further information.

## ***Application Procedure for the Preliminary or Professional Clear Credential***

By the end of the fifth week of your final quarter of credential course work, submit an application for the credential in the Office for Student Services, King Hall D2078.

## **Elementary Education Programs**

Elementary Education programs include courses appropriate for preservice and inservice preparation of teachers in the elementary grades and directed teaching for candidates for the teaching credential with authorization in multiple subject instruction. The Master of Arts degree is described in the *Graduate Programs* section.

## **Secondary Education Programs**

The Secondary Education programs include courses appropriate for preservice and inservice teacher preparation in middle schools, junior high schools, senior high schools. The Master of Arts degree is described in the *Graduate Programs* section.

## **Programs for this Department:**

### **Graduate Major**

- Education: Option in Bilingual/Multicultural Education in the Urban Classroom, M.A.
- Education: Option in Creative Literacies and Literature in the Elementary Classroom, M.A.
  - Education: Option in Curriculum and Instruction in the Urban School, M.A.
    - Education: Option in Early Childhood/Primary Education, M.A.
    - Education: Option in Mathematics and Science Teaching, M.A.
- Education: Option in Mathematics Education in the Elementary Classroom, M.A.
- Education: Option in Middle and Secondary Curriculum and Instruction, M.A.

- Education: Option in Reading, M.A.
- Education: Option in Science Education, M.A.

**Graduate Certificate**

- California Reading Certificate
- Postsecondary Reading Certificate Program
- Graduate Certificate Program in Storytelling

**Credential**

- Elementary Teaching Multiple Subject Credential
- Reading and Language Arts Specialist Credential
- Secondary Teaching Single Subject Credential
- Single Subject Credential in Secondary Teaching

## Education: Option in Bilingual/Multicultural Education in the Urban Classroom, M.A.



The Master of Arts degree in Education with an Option in Bilingual/Multicultural Education in the Urban Classroom offers candidates the opportunity to develop the necessary knowledge and skills to meet the needs of children in urban schools particularly those children who are English language learners. It also offers candidates the opportunity to select courses that are specifically designed to combine theory and research with practical classroom application for use in bilingual, dual language, and cross cultural settings. This option requires a minimum of 45 units.

### Admission to the Program

For admission to the program, applicants must:

- (1) Meet the university requirements for admission to graduate study,
- (2) Have a 2.75 or higher grade point average in their last 90 quarter (or 60 semester) units attempted,
- (3) Have completed EDEL 405 or EDSE 430, or equivalent,
- (4) Have consulted with a faculty adviser.

Students are encouraged to complete a valid teaching credential issued by California or any state by the end of this program.

### Requirements for the Degree (45 units)

A minimum of 45 units is required, including at least 23 in 500-level courses. Students must pass a comprehensive examination. There is a limit on credit that may be earned in variable-unit courses. See Restrictions on Credit Earned in Variable Unit courses in the Charter College of Education section in the Academic Programs: College-based and University-wide chapter in the catalog.

### Required Core (12 units)

- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDEL 589 - Seminar: Elementary Education (4)
- EDFN 500 - Evaluation of Educational Research (4)

### Bilingual/Multicultural Education in the URBAN Classroom Option Requirement (33 Units)

#### Select 4 units from the following (Content Area Focus):

- EDEL 525 - Reading/Language Arts Across the Curriculum (4) **or**
- EDCI 513 - Reading as a Cognitive Process (4)
  
- EDEL 431 - Proseminar: Curriculum and Teaching of Mathematics in Middle Schools (4) **or**
- EDSE 594 - Selected Studies in Secondary Education (1-4)
  
- EDEL 451 - Teaching Science in Elementary School (4) **or**
- EDSE 428C - Processes of Science (4)
  
- TESL 562 - Methods for Teaching Second Languages (4)

#### Select 8 units from the following (Content Area and Research Focus):

- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)
  
- EDEL 531 - Seminar: Research in Teaching Elementary School Subjects: Mathematics (4) **or**
- EDCI 584 - Learning Theories and Cognitive Science in Math Education (4)
  
- EDEL 541 - Seminar: Research in Teaching Elementary School Subjects: Social Studies (4 each) **or**
- EDSE 590 - Teaching in Multicultural Middle and Secondary Classrooms (4)
  
- EDEL 551 - Seminar: Research in Teaching Elementary School Subjects: Science (4 each) **or**
- EDCI 553 - Environmental Science Education in the Urban Setting (4) **or**
- EDCI 555 - Seminar: Teaching Middle School Science Research, 4-7 (4)

#### Select 12 units from the following (Bilingual Cross-Cultural Theory and Methods Focus):



- 
- EDCI 554 - Research and Methods for Teaching in Bilingual/Cross-cultural Classrooms (4)
  - EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
  - EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)
  
  - EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4) **or**
  - TESL 564 - Teaching English as a Second Language for Academic Purposes (4)
  
  - EDCI 533 - Children's and Adolescents' Reading Materials in Spanish and Other Languages (4)
  - TESL 560 - Theories of Teaching and Learning Second Languages (4)
  - EDCI 556 - Inquiry into Methods of Teaching Academic Literacy in the Target Language (4)
  - EDCI 557 - Research and Pedagogy for the Bilingual Learner: Exploring Cultural Impact (4)
  - EDCI 558 - Reflection, Synthesis, and Assessment: Bilingual Authorization Portfolio (2)

### **Electives (Select 9 units with advisor approval)**

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You may select electives with advisor approval or from the following:

- EDCI 537 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions (4)
- EDEL 427 - Using Multicultural Children's Literature in the Classroom (4)
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)
- EDEL 590 - Creating a Healthy and Effective Classroom Climate (4)
- TESL 400 - Linguistics in Language Education (4)
  
- EDEL 597 - Graduate Research (1-4)
- EDSE 597 - Graduate Research (1-4)
  
- or**
  
- EDEL 598 - Graduate Directed Study (1-4)
- EDSE 598 - Graduate Directed Study (1-4)

### **Comprehensive Examination (0 units)**

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- EDEL 596 - Comprehensive Exam (0)  
**Minimum Units 45**

## Education: Option in Creative Literacies and Literature in the Elementary Classroom, M.A.

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### Admission to the Program

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Applicants must meet University Requirements for admission to graduate study. In addition, applicants should have attained a minimum of 2.75 grade point average in the last 90 quarter units attempted and have consulted with a faculty adviser. A score of 600 or higher on TOEFL is required for visa students. Finally, a valid teaching credential issued by California or any state is recommended by completion of the program.

### Requirements for the Degree (45-48 units)

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A total of 45 units are required, with at least 23 in 500-level courses. Students in the Creative Literacies and Literature Option may choose to take the Comprehensive Examination or complete either a thesis or project after consulting an adviser.

### Required Core (28 units)

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- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)
- EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)
- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDEL 473 - Storytelling for Teachers (4)
- EDEL 589 - Seminar: Elementary Education (4)
- EDFN 500 - Evaluation of Educational Research (4)

### Directed Electives

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Select 8–12 units from the following:

- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDEL 412 - Emergent Literacy (4)
- EDEL 421 - Teaching Language Arts in Elementary School (4)
- EDEL 424 - Methods of Using Creative Dramatics with Children (4)
- EDEL 427 - Using Multicultural Children's Literature in the Classroom (4)
- EDEL 473 - Storytelling for Teachers (4)
- EDEL 525 - Reading/Language Arts Across the Curriculum (4)
- EDEL 594 - Selected Studies in Elementary Education (1–4)

### Suggested Electives (5-9 units)

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You may select courses in the directed electives section that were not selected, other electives with adviser approval, or from the following:

- EDCI 583 - Application of Hypermedia in Instruction (4)
- EDEL 590 - Creating a Healthy and Effective Classroom Climate (4)

### Comprehensive Examination, or Thesis or Project (0, 7 units)

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Students who choose the Creative Literacies and Literature option may choose the Comprehensive Exam or Thesis/Project after consultation with an advisor.

Students who select the comprehensive examination should expect to take it (EDEL 596) after they have completed all course work in their program and must comply with college and division requirements. Under special circumstances, and with prior approval from their M.A. program coordinator, students may take a maximum of five units of their program course work concurrently during the quarter they take their comprehensive examination.

- EDEL 596 - Comprehensive Exam (0)  
or
- EDCI 599A - Thesis or Project Planning (3)  
and
- EDCI 599B - Thesis or Project (2)  
and
- EDCI 599C - Thesis or Project (2)

# Education: Option in Curriculum and Instruction in the Urban School, M.A.

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## Admission to the Program

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Applicants must meet University Requirements for admission to graduate study. In addition, applicants should have completed EDEL 405 or its equivalent, have attained a minimum of 2.75 grade point average in the last 90 quarter units attempted, and have consulted with a faculty adviser. A score of 600 or higher on TOEFL is required for visa students. Finally, a valid teaching credential issued by California or any state is recommended by completion of the program.

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## Requirements for the Degree (46 units)

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A total of 46 units are required, with at least 23 in 500-level courses. A Comprehensive Examination is required.

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### Required courses (30 units)

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- EDIT 430 - Information Technologies in the Classroom (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)  
or
- TESL 564 - Teaching English as a Second Language for Academic Purposes (4)
- PH 458 - Advanced Health Education for Teachers (4) or
- EDEL 590 - Creating a Healthy and Effective Classroom Climate (4)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)
- EDSP 509 - Advanced Methods and Models for Teaching Special Populations in General Education (4)
- EDCI 551 - Reflection, Synthesis, Assessment: Induction Portfolio (2)
- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDFN 500 - Evaluation of Educational Research (4) or
- EDFN 551 - Action Research in Education (4) or

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### Select 4 units from the following:

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- EDCI 511 - Advanced Classroom Assessment in the Urban School (4) **also listed as**
- EDCI 537 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions (4) **also listed as**
- EDAD 537 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions (4)
- ULRN 460 - Assessment and Learning (4)

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## Area of Emphasis (12 units):

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Select area of emphasis with advisor approval.

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### Area of Emphasis 1:

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Select three elective courses with advisor approval.

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### Area of Emphasis 2:

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- EDCI 550A - Advanced Fieldwork in Curriculum and Instruction in the Classroom (2)
- EDCI 550B - Advanced Fieldwork in Curriculum and Instruction in the Classroom (2)

Select two elective courses selected with advisor approval.

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## Comprehensive Examination (0 units)

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- EDEL 596 - Comprehensive Exam (0)
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## Education: Option in Early Childhood/Primary Education, M.A.

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### Admission to the Program

Applicants must meet university requirements for admission to graduate study. In addition, applicants should have attained a minimum of 2.75 grade point average in the last 90 quarter units attempted, and have consulted with a faculty adviser. A score of 600 or higher on TOEFL is required for visa students. Finally, a California credential or a General Elementary or Kindergarten-Primary Credential issued by any state or two years experience teaching young children is recommended.

### Requirements for the Degree (45 units)

A total of 45 units are required, with at least 23 in 500-level courses. A comprehensive examination is required.

#### Required Core (12 units)

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- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDEL 589 - Seminar: Elementary Education (4)
- EDFN 500 - Evaluation of Educational Research (4)

#### Required Courses Select (28 units) from the following:

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- EDEL 432 - Teaching Mathematics for Early Childhood (4)
- EDEL 461 - Curriculum Procedures and Materials for Early Childhood Education (4)
- EDEL 463 - Preschool-Kindergarten Education: Language and Literacy (4)
- EDEL 466 - Cultural Diversity in Early Childhood Classroom: Needs and Opportunities (4)
- EDEL 467 - School/Family/Community Partnerships in Urban Learning (4 units)
- EDEL 560 - Design and Management of Early Childhood Public Educational Programs (4)
- EDEL 563 - Seminar: Issues and Trends in Early Childhood Education (4)
- EDEL 564 - Seminar: Advanced Methodologies in Early Childhood Education (4)
- EDCI 551 - Reflection, Synthesis, Assessment: Induction Portfolio (2)
- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDFN 500 - Evaluation of Educational Research (4)
- or
- EDFN 551 - Action Research in Education (4)
- or
- ULRN 462 - The Role of Play in Learning (4)

#### Directed Electives

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Select a minimum of 5 units from the following:

- CHDV 222 - Administration of Preschool and Day Care Programs (4)
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)
- EDEL 412 - Emergent Literacy (4)
- EDEL 424 - Methods of Using Creative Dramatics with Children (4)
- EDEL 473 - Storytelling for Teachers (4)
- EDEL 554 - Research in Thematic Science: Integrating Language Arts, K-7 (4)
- EDEL 597 - Graduate Research (1-4)
- EDEL 598 - Graduate Directed Study (1-4)
- EDSP 512 - Building Partnerships in Special Education (2)
- EDSP 514 - Assessment of Infants and Young Children with Special Needs (4)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)
- EDSP 517 - Advanced Issues in Early Childhood Special Education (4)

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## Education: Option in Mathematics and Science Teaching, M.A.

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The Master of Arts degree: Option in Mathematics and Science Teaching provides educators with the opportunity to develop of their pedagogical skills and knowledge, build capacity for collaboration in educational contexts, access and value knowledge from multiple sources, all grounded in the pursuit of equity. This program has two objectives, the Master of Arts degree and a California Single Subject Teaching Credential in either mathematics or science. This option satisfies the requirements for both the Masters of Education degree and for a California Single Subject Teaching Credential in Mathematics or Science. The Single Subject Credential is issued by the California Commission on Teacher Credentialing. The secondary education programs include courses appropriate for preservice teacher preparation in middle schools, junior high schools, senior high schools. All students will pass a comprehensive examination. This option requires a minimum of 70 units.

### Admission to the Program

In addition to university requirements for admission to graduate study, applicants must have a 3.0 or higher grade point average in their last 90 quarter (or 60 semester) units attempted, have met all of the requirements for the Los Angeles Urban Teacher Residency Program, and unless a waiver is approved by the dean of the College of Natural and Social Science, candidates for admission must have successfully completed 12 units of upper division courses in math, science, statistics or engineering.

### Single Subject Credential (Secondary Teaching)

The teaching credential with authorization in Single Subject Instruction qualifies holders to teach in their authorized field at any grade level, preschool, kindergarten, and grades 1 through 12, or in classes organized primarily for adults. Eleven categories of Single Subject Instruction are defined by state legislation as follows: Agriculture, Art, Business, English, Health Science, Industrial and Technological Education, Languages (including, but not limited to, Chinese, French, German, Russian, and Spanish), Natural Science (Biological Sciences, Chemistry, Geoscience or Physics), Mathematics, Music, Physical Education, and Social Science. This program and option will focus only on Mathematics and Natural Science.

Students considering pursuing a Single Subject Credential are urged to obtain advisement at the start of the program from faculty advisers in their academic area and in secondary education. Candidates may enroll in programs leading to the preliminary/clear credential (see an adviser about admission requirements and enrollment limitations).

### Credential Requirements

Applicants must satisfy the following criteria to qualify for the university-recommended credential:

- A Bachelor's degree from regionally accredited college or university.
- Passing score on CBEST.
- Formal admission to credential program including attaining a GPA of 3.00 in the last 90 quarter units of coursework, completing EDCI 300 Requirements or acceptable alternative, EDFN 413 or acceptable alternative, and PS 456 or 457 or acceptable alternative; complete professional education requirements given below. See admission to Credential Program and Single Subject Credential (Secondary Teaching) Directed Teaching information earlier in this chapter.
- Verification of completion of a commission-approved subject matter program by subject-area department (see listings in undergraduate study chapter) or passing score on CTC-approved subject matter assessments.
- Pass UNIV 400, The writing proficiency examination (WPE), or acceptable alternative by petition
- Fulfill the U.S. Constitution requirement
- Pass the Teaching Performance Assessment (TPA)
- Complete Cardiopulmonary Resuscitation (CPR) training

### Requirements for the Degree (70-73 units)

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A total of 70 to 73 units are required, with a minimum of 61 units in 500-level courses. Student teaching is required for 9 units. a comprehensive examination is required for 3 or 4 units.

### Required Courses (60 units)

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- EDCI 501 - Introduction to Curriculum and Pedagogy in Urban Classrooms (4)
- EDCI 502 - Introduction to Science and Mathematics Content Methods (4)
- EDCI 503 - Introduction to Schooling in Urban Communities (4)
- EDCI 504 - Theory, Trends, and Practice in School Reform (4)

- EDSE 510A - Characteristics and Needs of Urban Secondary Students (4)
- EDSE 510B - Instructional Strategies for Urban Schools (4)
- EDCI 511 - Advanced Classroom Assessment in the Urban School (4)
- EDCI 520M - Methods for Teaching Mathematics (4) **or**
- EDCI 520S - Methods for Teaching Science (4)
- EDCI 525 - Integrated Mathematics and Science Methodological Content Literacy (4)
- EDCI 529 - Scientific and Mathematical Processes and Authentic Assessment Strategies (4)
- EDCI 585 - Characteristics of Social Change in Urban Schools (4)
- EDCI 588A - Communities of Understanding Residency Laboratories (4)
- EDCI 588B - Communities of Sharing Residency Laboratory (4)
- EDCI 588C - Communities of Action Residency Laboratory (4)
- EDSE 590 - Teaching in Multicultural Middle and Secondary Classrooms (4)

### **Directed Teaching Requirement (9 units)**

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- EDSE 445E - Directed Teaching in a Residency Program (3)

### **Fieldwork Requirement (1-4 units)**

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- EDSE 598 - Graduate Directed Study (1-4)

### **Comprehensive Examination (0 units)**

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- EDSE 596 - Comprehensive Examination (3,4)

## Education: Option in Mathematics Education in the Elementary Classroom, M.A.

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### Admission to the Program

Applicants must meet university requirements for admission to graduate study. In addition, applicants should have completed EDEL 417 or its equivalent, have attained a minimum of 2.75 grade point average in the last 90 quarter units attempted, and have consulted with a faculty adviser. A score of 600 or higher on TOEFL is required for visa students. Finally, a California Credential or a General Elementary or Kindergarten-Primary Credential issued by any state or two years experience teaching young children is recommended.

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### Requirements for the Degree (45 units)

A total of 45 units are required, with at least 23 in 500-level courses. A comprehensive examination is required.

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### Required Courses (24 units)

- EDEL 431 - Proseminar: Curriculum and Teaching of Mathematics in Middle Schools (4)
- EDEL 432 - Teaching Mathematics for Early Childhood (4)
- EDEL 531 - Seminar: Research in Teaching Elementary School Subjects: Mathematics (4)
- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDEL 589 - Seminar: Elementary Education (4)
- EDFN 500 - Evaluation of Educational Research (4)

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### Directed Electives (13 units)

Select 13 units from the following:

- EDCI 583 - Application of Hypermedia in Instruction (4)
- EDEL 433A - Special Topics in Mathematics for Elementary Teachers: Metric Measurement (1)
- EDEL 433B - Special Topics in Mathematics for Elementary Teachers: Problem Solving (1)
- EDEL 433C - Special Topics in Mathematics for Elementary Teachers: Geometry (1)
- EDEL 435 - Use of Calculator in Teaching Mathematics (2)
- EDEL 535 - Seminar: Assessment Strategies in Mathematics (4)
- EDEL 580 - Computer Applications for Teaching Mathematics and Science (2)

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### Electives (8 units)

You may select courses in the directed electives section that were not selected, other electives with adviser approval, or from the following:

- EDEL 451 - Teaching Science in Elementary School (4)
- EDEL 551 - Seminar: Research in Teaching Elementary School Subjects: Science (4 each)
- EDEL 590 - Creating a Healthy and Effective Classroom Climate (4)

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### Comprehensive Examination (0 units)

- EDEL 596 - Comprehensive Exam (0)

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## Education: Option in Middle and Secondary Curriculum and Instruction, M.A.

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The Master of Arts degree: Option in Middle and Secondary Curriculum and Instruction provides educators with the opportunities for the development of skills and knowledge to conduct inquiry, to design curriculum and instructional programs, to implement programs, and to assess the success of those programs at the middle and secondary school levels.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must possess a 2.75 grade point average in the last 90 quarter units attempted (Applicants for the Reading Option must possess a 3.0 grade point average in the last 90 quarter units attempted.)

#### Overview for Course Study (47 Units)

All candidates for the M.A. degree will complete the introductory seminar and required core courses. Students will select an area of concentration early in their course of study. All students will pass a comprehensive examination or complete a thesis or project. A minimum of 47 units is required for the M.A. degree. Before completion of the degree program, students must have a teaching credential and classroom teaching experience.

#### Required Introductory and Core Courses (28 units)

##### Introductory Course (4 units)

- EDSE 500 - Introductory Seminar: Reflections on Teaching (4)

##### Core Courses (24 units)

- EDFN 452 - Statistics in Education (4)

And one of the following:

- EDFN 500 - Evaluation of Educational Research (4)  
or

And the following three courses:

- EDCI 415 - Teaching For Thinking (4)
- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDCI 583 - Application of Hypermedia in Instruction (4)

And one of the following:

- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)  
or
- EDSE 590 - Teaching in Multicultural Middle and Secondary Classrooms (4)

**Requirements for the degree also include completion of Area of Concentration (12 units) and the Comprehensive Examination or Thesis or Project (7 units)**

- EDSE 596 - Comprehensive Examination (3,4)  
or
- EDCI 599A - Thesis or Project Planning (3)  
and
- EDCI 599B - Thesis or Project (2)  
and
- EDCI 599C - Thesis or Project (2)

#### Areas of Concentration (12 units)



Select one of the following concentrations:

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### Concentration One:

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#### Reform in Middle and Secondary Urban Schools

Select **12 units** from the following:

- EDCI 453 - Teaching in Bilingual/Crosscultural Schools (4)
- EDCI 504 - Theory, Trends, and Practice in School Reform (4)
- EDFN 510 - Advanced Study: Learning Theory and Education (4)
- EDFN 525 - Educational Sociology (4)

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### Concentration Two:

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#### Cross-cultural, Language and Academic Development

This concentration leads to CLAD Certification if applicants take one course in each of the following 5 prescribed domains for a total of 19 units and 9 units of foreign language or the equivalent.

- ENGL 301 - Introduction to Language (4)  
or
- ENGL 401 - English Language in America (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDCI 453 - Teaching in Bilingual/Crosscultural Schools (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)  
or
- EDSE 430 - Using ESL Techniques in the Content Areas (4) (3)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)

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### Concentration Three:

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#### Content Area Specialization

Select **12 units** of advanced coursework in a single subject area of specialization. Selection is limited to those disciplines or subject areas in which CSULA offers credentials, such as English, Social Sciences, Mathematics, Natural Sciences, Foreign language, Art, Music, Physical Education, etc.

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### Concentration Four:

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#### Integrating Critical and Reflective Thinking Throughout the Curriculum.

In this area of concentration, students undertake coursework, projects, and research to enlarge their theoretical and strategic knowledge of teaching that has the integration and growth of thinking as its primary focus.

Candidates complete the following courses (**12 units**) in philosophy that focus on the development of critical thinking:

- PHIL 480 - Philosophy of Language (4)
- PHIL 485 - Philosophy of Science (4)
- PHIL 580 - Seminar: Critical Thinking—Models and Strategies (4)

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### Concentration Five:

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#### Language Arts/Literacy

In this area of concentration, students investigate theory and practice in the language arts at the middle and secondary levels. Includes study of advanced techniques for integrating discussion, listening, reading, and writing into the language arts curriculum.

Complete the following courses (12 units):

- EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
- EDCI 513 - Reading as a Cognitive Process (4)
- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)

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### Concentration Six:

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#### Mathematics Pedagogy

In this area of concentration, students will undertake course work, projects and research to enlarge their theoretical and practical knowledge of mathematics instruction in middle and secondary schools.

Select **12 units** from the following:

- EDCI 584 - Learning Theories and Cognitive Science in Math Education (4)

- EDEL 431 - Proseminar: Curriculum and Teaching of Mathematics in Middle Schools (4)
- EDEL 433A - Special Topics in Mathematics for Elementary Teachers: Metric Measurement (1)
- EDEL 433B - Special Topics in Mathematics for Elementary Teachers: Problem Solving (1)
- EDEL 433C - Special Topics in Mathematics for Elementary Teachers: Geometry (1)
- EDEL 433D - Special Topics in Mathematics for Elementary Teachers: Logic (1)
- EDEL 435 - Use of Calculator in Teaching Mathematics (2)
- EDEL 480 - Teaching Problem Solving with LOGO (4)
- EDEL 531 - Seminar: Research in Teaching Elementary School Subjects: Mathematics (4)
- EDEL 535 - Seminar: Assessment Strategies in Mathematics (4)
- EDEL 580 - Computer Applications for Teaching Mathematics and Science (2)
- EDSE 594 - Selected Studies in Secondary Education (1–4) (Mathematics) (4)
- EDSE 598 - Graduate Directed Study (1–4)

### Concentration Seven:

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#### Science Pedagogy

In this area of concentration, students will undertake course work, projects and research to enlarge their theoretical and practical knowledge of science instruction in middle and high schools.

Select **12 units** from the following:

- EDSE 428C - Processes of Science (4)
- EDCI 552 - Scientific Processes and Authentic Assessment Strategies (4)
- EDCI 553 - Environmental Science Education in the Urban Setting (4)
- EDCI 555 - Seminar: Teaching Middle School Science Research, 4-7 (4)
- EDEL 580 - Computer Applications for Teaching Mathematics and Science (2)
- EDSE 594 - Selected Studies in Secondary Education (1–4)
- EDSE 598 - Graduate Directed Study (1–4)

### Concentration Eight:

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#### Instructional Technology

Candidates selecting this area of concentration are encouraged to develop projects or pursue a thesis, which entails the investigation and implementation of current technologies applicable to educational settings.

Select **12 units** from the following:

- EDIT 435 - Computer Systems in Education (4)
  - EDIT 451 - Survey of Instructional Media and Technology (4)
  - EDIT 472 - World Builders (5)
  - EDIT 484 - Computer Authoring Tools (4)
  - EDIT 550 - Multimedia Design and Production (5)
  - EDIT 554 - Video Technology in Education (4)
  - EDIT 556 - Technology Leadership in Schools (5)
  - EDIT 557 - Computer Assisted and Managed Instruction (5)
  - EDIT 560 - Internet and the World Wide Web in Education (4)
- Or other courses with approval*

## Education: Option in Reading, M.A.



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The Master of Arts degree in Education, Option in Reading, fulfills the requirements of the National Council for Accreditation of Teacher Education, as well as the International Reading Association's Guidelines for Reading Specialists/Literacy Coaches.

### Admission to the Program

For admission to the program, applicants must:

1. Meet the university requirements for admission to graduate study,
2. Have a 3.0 or higher grade point average in their last 90 quarter (or 60 semester) units attempted, and
3. Have completed a. basic course/s in teaching reading and writing (EDEL 415 and EDEL 416, or EDSE 423, or equivalent) or hold a basic teaching credential issued by California or any state. (Candidates who wish to teach in K-12 public schools must have a Multiple Subject or Single Subject Teaching Credential. For information on how to earn these credentials, see Student Services in King Hall D2078.)

### Requirements for the Degree (45 units)

A minimum of 45 units is required, including at least 23 in 500-level courses. Students must pass a comprehensive examination or submit a thesis or project.

#### Required Courses (29–31 units)

*\*EDCI 540B may be repeated once to a total of 4 units.*

- EDCI 513 - Reading as a Cognitive Process (4)
- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)
- EDCI 522 - Reading/Language Arts Assessment and Instruction for Classroom Teachers (4)
- EDCI 524 - Reading/Language Arts Assessment and Instruction for Reading/Language Arts Specialists (5)
- EDCI 540A - Reading/Language Arts Clinical Practicum I (2)
- \* EDCI 540B - Reading/Language Arts Clinical Practicum II (2)
- EDCI 541 - Field Work in Reading and Language Arts (4)
- EDFN 500 - Evaluation of Educational Research (4)

#### Directed Electives (4 units)

Select from the following:

- COMD 400 - Hearing Science (4)
- COUN 532 - Diagnosis of Learning Problems and Remedial Procedures (4)
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)
- EDEL 412 - Emergent Literacy (4)
- EDEL 413 - Children's Reading Materials in Spanish (4)
- EDEL 427 - Using Multicultural Children's Literature in the Classroom (4)
- EDEL 525 - Reading/Language Arts Across the Curriculum (4)
- EDSP 400 - Foundations of Special Education (4)

#### Suggested Electives (4–12 units):

To complete the 45 minimum units, select, with advisor approval, additional classes from the directed electives above, or any of the following:

- COMD 456 - Development of Verbal Behavior in Childhood (4)
- COMD 461 - Descriptive Phonetics (4)
- COMM 494 - Communication Behavior in Childhood (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDFN 452 - Statistics in Education (4)
- EDFN 510 - Advanced Study: Learning Theory and Education (4)
- EDFN 530 - Advanced Study in Human Development (4)
- ENGL 400 - Introduction to Linguistics (4) **also listed as**
- ANTH 471 - Introduction to Linguistics (4)
- or**
- ENGL 401 - English Language in America (4)

- ENGL 406 - Writing Nonfiction (4)
- ENGL 430 - Children's Literature (4)
- ENGL 432 - Literature for Adolescents (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- PSY 422 - Social Psychology (4)
- TESL 560 - Theories of Teaching and Learning Second Languages (4)

### **Comprehensive Examination or Thesis or Project (0, 7 units)**

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Students who select the comprehensive examination (EDCI 596) should take it after they have completed all course work in their program and must comply with College and Division requirements. Under special circumstances, and with prior approval from their M.A. program coordinator, students may take EDCI 540B or EDCI 541 during the quarter they take their comprehensive examination.

A California Reading and Language Arts Specialist Credential and/or a California Reading Certificate can be earned concurrently with this M.A. by completing a specific route through this program.

For admission to the program(s) and for information on how to earn a Reading and Language Arts Specialist Credential and/or a Reading Certificate issued by the California Commission on Teacher Credentialing concurrently with an M.A. in Education: Option in Reading, see a faculty member who advises for the programs. A list of these faculty members and their office hours is available in King Hall C2097.

- EDCI 596 - Comprehensive Examination (0)  
**or**
- EDCI 599A - Thesis or Project Planning (3)  
**and**
- EDCI 599B - Thesis or Project (2)  
**and**
- EDCI 599C - Thesis or Project (2)

## Education: Option in Science Education, M.A.

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### Admission to the Program

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Applicants must meet university requirements for admission to graduate study. In addition, applicants should have completed EDEL 418 or its equivalent, attained a minimum of 2.75 grade point average in the last 90 quarter units attempted and have consulted with a faculty adviser. A score of 600 or higher on TOEFL is required for visa students. Finally, a valid teaching credential issued by California or any state is recommended by completion of the program.

### Requirements for the Degree (45-52 units)

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A total of 45–52 units are required, with at least 23 in 500-level courses.

### Required Core (12 units)

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- EDCI 560 - Principles and Practices of Curriculum in Urban Schools (4)
- EDEL 589 - Seminar: Elementary Education (4)
- EDFN 500 - Evaluation of Educational Research (4)

### Required Courses (16 units)

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- EDEL 452 - Developing Critical Thinking Through Science, K-7 (4)
- EDEL 551 - Seminar: Research in Teaching Elementary School Subjects: Science (4 each)
- EDCI 552 - Scientific Processes and Authentic Assessment Strategies (4)
- EDCI 553 - Environmental Science Education in the Urban Setting (4)

### Directed Electives (12 units)

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Select 12 units from the following:

- EDEL 451 - Teaching Science in Elementary School (4)
- EDEL 554 - Research in Thematic Science: Integrating Language Arts, K-7 (4)
- NATS 461 - Topics in Physical Science Content and Pedagogy (4)
- NATS 462 - Topics in Life Science Content and Pedagogy (4)

### Suggested Electives, or others with adviser's approval (5-8 units)

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Select 5-8 units

- EDIT 472 - World Builders (5)
- EDEL 525 - Reading/Language Arts Across the Curriculum (4)
- EDEL 531 - Seminar: Research in Teaching Elementary School Subjects: Mathematics (4)
- EDEL 590 - Creating a Healthy and Effective Classroom Climate (4)

### Comprehensive Examination, or Thesis, or Project (0, 7 units)

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Students selecting the Science Education Option may choose the comprehensive examination or a thesis or a project after consultation with an adviser.

Students who select the comprehensive examination should expect to take it (EDEL 596) after they have completed all course work in their program and must comply with college and division requirements. Under special circumstances, and with prior approval from their M.A. program coordinator, students may take a maximum of five units of their program course work concurrently during the quarter they take their comprehensive examination.

- EDEL 596 - Comprehensive Exam (0)  
or
- EDCI 599A - Thesis or Project Planning (3)  
and
- EDCI 599B - Thesis or Project (2)  
and
- EDCI 599C - Thesis or Project (2)

# California Reading Certificate

The California Reading Certificate is a postbaccalaureate credit certificate program issued by the California Commission on Teacher Credentialing. It authorizes the holder to assess student reading and provide reading instruction in response to those assessments. Certificate holders may perform the following services at one or more school sites at the grade level authorized by their prerequisite teaching credential:

- Develop and implement reading curriculum
- Adapt reading content curriculum
- Assist classroom teachers in these areas

## Admission to the Program

For admission to the program, applicants must:

1. Meet the university requirements for Admission to graduate study,
2. Have a 3.0 or higher grade point average in their last 90 quarter (or 60 semester) units attempted, and
3. Have completed a basic course/s in teaching reading and writing (EDEL 415 and EDEL 416, or EDSE 423, or equivalent) or hold a basic teaching credential issued by California or any state.

## Requirements for the Certificate (22 units)

Students must complete 22 units of required course work and fulfill the additional corequisites listed below.

### Required Courses (22 units)

- EDCI 513 - Reading as a Cognitive Process (4)
- EDCI 522 - Reading/Language Arts Assessment and Instruction for Classroom Teachers (4)
- EDCI 540A - Reading/Language Arts Clinical Practicum I (2)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDEL 525 - Reading/Language Arts Across the Curriculum (4)
  
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)  
or
- EDEL 413 - Children's Reading Materials in Spanish (4)

## Corequisites

In addition to the above requirements, Students must satisfy the following:

- Complete ENGL 400 (4), ENGL 401 (4), or TESL 400 (4), or an equivalent course in Linguistics by- the end of the second quarter in the program.
- Complete EDEL 412 (4) or an equivalent course in emergent literacy.
- Have a preliminary basic California Teaching Credential (i.e., A Multiple Subject, Single Subject, or Educational Specialist Teaching Credential). Students may work towards the reading certificate while they are completing the requirements for their preliminary teaching credential.
- Have verified completion of three years of successful full-time teaching experience after receiving a basic teaching credential at any grade issued by California or any state. Students who finish the program before they complete their experience requirement will be eligible for the reading certificate once they finish this requirement.

The California Reading Certificate Program closely corresponds with the first half of the reading and language arts specialist credential program. All the classes in the reading certificate program are in the M.A. in Education: Option in Reading Program.

For admission to the program(s), see a faculty member who advises for the program. A list of these faculty members and their office hours is available in King Hall C2097.

## U.S. Department of Education Gainful Employment Disclosure

**Program:** California Reading Certificate

**Occupations that this certificate program prepares students to enter:**

-Preschool, Primary, Secondary, and Special Education School Teachers; SOC Code 25-2000;

[www.onetonline.org/link/summary/25-2011.00](http://www.onetonline.org/link/summary/25-2011.00) ;

[www.onetonline.org/link/summary/25-2012.00](http://www.onetonline.org/link/summary/25-2012.00) ;

[www.onetonline.org/link/summary/25-2021.00](http://www.onetonline.org/link/summary/25-2021.00) ;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00);

[www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00) ;

[www.onetonline.org/link/summary/25-2022.00](http://www.onetonline.org/link/summary/25-2022.00) ;

[www.onetonline.org/link/summary/25-2042.00](http://www.onetonline.org/link/summary/25-2042.00) ;

-Tutors; SOC Code 25-3099;

[www.onetonline.org/link/summary/25-3099.02](http://www.onetonline.org/link/summary/25-3099.02)

-Writers and Authors; SOC Code 27-3043;

[www.onetonline.org/link/summary/27-3043.00](http://www.onetonline.org/link/summary/27-3043.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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## Postsecondary Reading Certificate Program

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The postbaccalaureate Postsecondary Reading Certificate Program provides professional preparation and training in the theory and practice of teaching reading to adults. Coursework in reading theory and pedagogy with teaching and/or tutoring experience provides the competencies and skills necessary to teach reading to adults.

- Students must either be in a graduate degree program at California State University, Los Angeles or must apply for graduate admission to the University.
- Once admitted to CSULA, prospective Postsecondary Reading Certificate students must apply to the Reading Programs Co-Coordinator for admission to the program.
- Students must successfully complete the Writing Placement Exam (WPE) or have a score of 41 or better on the writing section of the CBEST no later than the second term of coursework at California State University, Los Angeles.
- The program is designed for graduate students who expect to teach in community college and/or adult education settings. Students must provide evidence from coursework related to adult readers in order to earn the postsecondary reading certificate.
- The Postsecondary Reading Certificate requires 22 units of coursework with a minimum GPA of 3.0.

### Prerequisite Course (4 units)

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#### Teaching Credential or

- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)  
or equivalent reading methodology course

### Total Units (22-23)

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#### Required Courses (18 units)

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- EDCI 513 - Reading as a Cognitive Process (4)
- EDCI 522 - Reading/Language Arts Assessment and Instruction for Classroom Teachers (4)
- EDCI 540B - Reading/Language Arts Clinical Practicum II (2)
- EDCI 541 - Field Work in Reading and Language Arts (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)

#### Elective (4-5 units)

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Choose one of the following:

- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)
- EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
- EDCI 524 - Reading/Language Arts Assessment and Instruction for Reading/Language Arts Specialists (5)
- EDCI 525 - Integrated Mathematics and Science Methodological Content Literacy (4)
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)
- TESL 575 - EFL/ESL Reading-Writing Connections (4)

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## Graduate Certificate Program in Storytelling

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The postbaccalaureate credit certificate program in Storytelling is designed for persons with an interest in the techniques, theories, and literature associated with the ancient and modern art of storytelling. The certificate is especially valuable for teacher use in language arts instruction and for improving communications skills; it can also be used effectively by librarians and recreation leaders. This program is open to matriculated, upper division undergraduate and postbaccalaureate students. Completion of this credit certificate program requires 32 units in core and elective courses.

### Requirements for the Certificate (32 units)

Completion of this credit program requires 32 units in required courses and elective courses.

#### Required Courses (20 units)

- EDEL 424 - Methods of Using Creative Dramatics with Children (4)
- EDEL 427 - Using Multicultural Children's Literature in the Classroom (4)
- EDEL 473 - Storytelling for Teachers (4)
- ENGL 430 - Children's Literature (4)
- COMM 490 - Studies in Children's Speech Arts (4)

#### Field work (4 units)

- EDEL 598 - Graduate Directed Study (1–4) and/or

#### Electives (8 units)

Select from the following:

- ANTH 445 - Myth and Folklore (4)
- EDEL 413 - Children's Reading Materials in Spanish (4)
- TA 401 - Advanced Creative Dramatics (4)  
With adviser approval, students may include courses in the folklore of an ethnic culture.

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Storytelling

**Occupations that this certificate program prepares students to enter:**

-Preschool, Primary, Secondary, and Special Education School Teachers; SOC Code 25-2000;

[www.onetonline.org/link/summary/25-2011.00](http://www.onetonline.org/link/summary/25-2011.00) ;

[www.onetonline.org/link/summary/25-2012.00](http://www.onetonline.org/link/summary/25-2012.00) ;

[www.onetonline.org/link/summary/25-2021.00](http://www.onetonline.org/link/summary/25-2021.00) ;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00);

[www.onetonline.org/link/summary/25-2031.00](http://www.onetonline.org/link/summary/25-2031.00) ;

[www.onetonline.org/link/summary/25-2022.00](http://www.onetonline.org/link/summary/25-2022.00) ;

[www.onetonline.org/link/summary/25-2042.00](http://www.onetonline.org/link/summary/25-2042.00) ;

-Career/Technical Education Teachers, Secondary School; SOC Code 25-2032;

[www.onetonline.org/link/summary/25-2032.00](http://www.onetonline.org/link/summary/25-2032.00)

-Adult Basic and Secondary Education and Literacy Teachers and Instructors; SOC Code 25-3011;

[www.onetonline.org/link/summary/25-3011.00](http://www.onetonline.org/link/summary/25-3011.00)

-Self-Enrichment Education Teachers; SOC Code 25-3021;

[www.onetonline.org/link/summary/25-3021.00](http://www.onetonline.org/link/summary/25-3021.00)

-Teachers and Instructors, All Other; SOC Code 25-3099;

[www.onetonline.org/link/summary/25-3099.00](http://www.onetonline.org/link/summary/25-3099.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Elementary Teaching Multiple Subject Credential



The teaching credential with authorization in multiple subject instruction qualifies holders to teach in any self-contained classroom, preschool or kindergarten, grades 1 through 12, or in classes organized primarily for adults.

## Requirements for Preliminary Credentials

Applicants must satisfy the following criteria to qualify for the University-recommended credential:

- A bachelor's degree from a regionally accredited college or university.
- Passing score on CBEST.
- Formal admission to credential program, including attaining a GPA of 2.75 in the last 90 quarter units of coursework, fulfilling all EDCI 300 requirements, EDFN 413 or its equivalent, PH 457 and the professional education requirements listed below. See Admission to Credential Programs and Directed Teaching information.
- Verification of completion of a Commission-approved subject matter program (see listings in Undergraduate Study section) or passing score on the California Subject Examinations for Teachers (CSET), and verification of subject matter competence by subject-area department.
- Pass UNIV 400, the *Writing Proficiency Examination (WPE)*, or acceptable alternative by petition.
- Fulfillment of U.S. Constitution requirement.
- Pass Reading Instruction Competence Assessment (RICA).
- Pass the Teaching Performance Assessment (TPA)
- Complete cardiopulmonary resuscitation (CPR) training

## Professional Education Requirements (48 units)

- EDFN 440 - Schooling for a Diverse, Urban Society (4)  
*(It is recommended that this course be taken during the first block.)*
- EDSP 400 - Foundations of Special Education (4)  
*(It is recommended that this course be taken prior to beginning the program or within the first two blocks.)*
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

### Block One (Must be completed before Block Two)

- EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods (4)  
or
- EDCI 402I - Integrated Instructional Design, Assessment and Classroom Management for Field-Based Degree Candidates (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

### Block Two (Must be completed before Block Three)

- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)

### Block Three (Must be completed before Block Four)

- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)

### Block Four (Must attend a mandatory directed teaching meeting prior to enrolling in these courses)

- EDEL 403 - Directed Teaching: Multiple Subject (10)  
or
- EDEL 489 - Demonstration of Instructional Competencies (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

## Internship Credential Requirements

The internship credential program is designed for individuals who are employed as full-time teachers by cooperating school districts, have fulfilled all

district and University prerequisites, and have been recommended by the district. The credential is issued for a two-year period during which candidates must fulfill all requirements for the preliminary credential.

## Preliminary Internship Credential Requirements

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Applicants must satisfy the following criteria to qualify for the University-recommended internship credential.

- A bachelor's degree from a regionally accredited college or university.
- Job offer from a cooperating school district.
- Passing score on the CBEST.
- Formal admission to credential program including fulfilling all EDCI 300 requirements, EDFN 413 or its equivalent, PH 457 and the Professional Education requirements listed below.
- Verification of completion of a Commission-approved elementary subject matter program (see listings in Undergraduate Study) or passing score on all sections of the California Subject matter Examination for Teachers (CSET)
- Pass UNIV 400, the *Writing Proficiency Examination (WPE)* or acceptable alternative by petition.
- Satisfy the U.S. Constitution requirement.
- California Subject Examinations for Teachers (CSET)
- Complete cardiopulmonary resuscitation (CPR) training

## Requirements for the Preliminary Internship Credential

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### Block One (Must be completed before Block Two)

- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)
- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDCI 402I - Integrated Instructional Design, Assessment and Classroom Management for Field-Based Degree Candidates (4)
- EDEL 488A - Support Seminar in Field Experiences (4)
- EDEL 488B - Support Seminar in Field Experiences (4)

### Block Two (Must be completed before Block Three)

- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)

### Block Three (Must be completed before Block Four)

- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)
- EDSP 400 - Foundations of Special Education (4)

### Block Four (Must attend a mandatory directed teaching meeting prior to enrolling these courses)

- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)
- EDEL 489 - Demonstration of Instructional Competencies (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

# Reading and Language Arts Specialist Credential



The Reading and Language Arts Specialist Credential is issued by the California Commission on Teacher Credentialing. It fulfills the requirements of the National Council for Accreditation of Teacher Education, as well as the International Reading Association's guidelines for Reading Specialists/Literacy Coaches. It authorizes the holder to provide the following services as a reading specialist in any grade level K-12, or in classes organized for adults:

- Develop and coordinate reading programs at the school, district, or county level
- Select and adapt reading instruction materials; plan and conduct reading staff development
- Assess student progress and monitor student achievement in reading
- Provide direct reading intervention work with students
- Assist and support the classroom teacher in reading instruction and teaching strategies.

## Admission to the Program

For admission to the program, applicants must:

1. Meet the university requirements for admission to graduate study,
2. Have a 3.0 or higher grade point average in their last 90 quarter (or 60 semester) units attempted, and
3. Have completed a basic course/s in teaching reading and writing (EDEL 415 and EDEL 416, or EDSE 423, or equivalent) or hold a basic teaching credential issued by California or any state.

## Requirements for the Specialist Credential (45 units)

Students must complete 45 units of required course work, fulfill additional corequisites listed below, and pass the comprehensive examination (EDCI 596) for the M.A. Degree in Education: Option in Reading.

### Required Courses (45 units)

- EDCI 513 - Reading as a Cognitive Process (4)
- EDCI 521 - Seminar: Research in Teaching Reading/Language Arts (4)
- EDCI 522 - Reading/Language Arts Assessment and Instruction for Classroom Teachers (4)
- EDCI 523 - Principles and Practices of Teaching Writing in the Schools (4)
- EDCI 524 - Reading/Language Arts Assessment and Instruction for Reading/Language Arts Specialists (5)
  
- EDCI 527 - Issues and Trends in Use of Children's Literature (4)  
or
- EDEL 412 - Emergent Literacy (4)  
or
- EDEL 413 - Children's Reading Materials in Spanish (4)
  
- EDCI 540A - Reading/Language Arts Clinical Practicum I (2)
- EDCI 540B - Reading/Language Arts Clinical Practicum II (2)
- EDCI 541 - Field Work in Reading and Language Arts (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)
- EDEL 525 - Reading/Language Arts Across the Curriculum (4)
- EDFN 500 - Evaluation of Educational Research (4)

### Corequisites

In addition to the above requirements, student must satisfy the following:

- Complete ENGL 400 (4), or ENGL 401 (4), or TESL 400 (4), or an equivalent course in linguistics by the end of the second quarter in the program.
- Have a preliminary basic California Teaching Credential (i.e., A Multiple Subject, Single-Subject, or Educational Specialist Teaching Credential). Students may work towards the Reading and Language Arts Specialist Credential while they are completing the requirements for their preliminary teaching credential.
- Have verified completion of three years of successful fulltime teaching experience after receiving a basic teaching credential at any grades authorized by their credential, and 20 clock hours of successful experience with elementary or secondary students in grades not included in their basic teaching credential. (The latter requirement can often be met through successful completion of EDCI 540A and EDCI 540B.) Students who finish the program before they complete their experience requirements will be eligible for the specialist

credential once they finish this requirement.

### **Comprehensive Exam (0 units)**

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Students should take the comprehensive examination for- the M.A. degree in Education: Option in Reading Program (EDCI 596) after they have completed all course work in their program and must comply with college and division requirements. Under special circumstances, and with prior approval from their program coordinator, students may take EDCI 540B or EDCI 541 concurrently during the quarter they take their Comprehensive Examination.

An M.A. in Education: Option in Reading and/or a California Reading Certificate (issued by the California Commission on Teacher Credentialing) can be earned concurrently with this Reading and Language Arts Specialist Credential.

For admission to the program(s) and for information on how to earn an M.A. in Education: Option in Reading and/or a California Reading Certificate concurrently with the Reading and Language Arts Specialist Credential, see a faculty member who advises for the programs. A list of these faculty members and their office hours is available in King Hall C2097.

- EDCI 596 - Comprehensive Examination (0)

## Secondary Teaching Single Subject Credential



The teaching credential with authorization in single subject instruction qualifies holders to teach in their authorized field at any grade level, preschool, kindergarten, and grades 1 through 12, or in classes organized primarily for adults. Eleven categories of single subject instruction are defined by state legislation as follows: agriculture, art, business, English, health science, industrial and technological education, languages (including, but not limited to, Chinese, French, German, Russian, and Spanish), natural science (biological sciences, chemistry, geoscience or physics), mathematics, music, physical education, and social science.

Students considering pursuing a Single Subject credential are urged to obtain advisement at the start of the program from faculty advisers in their academic area and in Secondary Education. Candidates may enroll in programs leading to the preliminary/clear credential (see an adviser about admission requirements and enrollment limitations).

### Credential Requirements

Applicants must satisfy the following criteria to qualify for the University-recommended credential:

- A bachelor's degree from a regionally accredited college or university.
- Passing score on CBEST.
- Formal admission to credential program including attaining a GPA of 2.75 in the last 90 quarter units of coursework, completing EDCI 300 requirements, EDFN 413, and HS 456 or 457; complete professional education requirements given below. See Admission to Credential Program and Directed Teaching Information earlier in this chapter.
- Verification of completion of a Commission-approved subject matter program by subject-area department (see listings in Undergraduate Study chapter) or passing score on CTC-approved subject matter assessments. For Physical Education, please consult the School of Kinesiology and Nutritional Science.
- Pass UNIV 400, the Writing Proficiency Examination (WPE), or acceptable alternative by petition.)
- Fulfill the U.S. Constitution requirement.
- Pass the Teaching Performance Assessment (TPA)
- Complete cardiopulmonary resuscitation (CPR) training

### Professional Education Requirements (47-48 units)

#### Block One (Must be completed before Block Two)

- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDSE 445A - Proseminar: Learning Environments and Instruction in Secondary Schools (4)

#### Block Two (Must be completed before Block Three)

- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSP 400 - Foundations of Special Education (4)

#### Block Three (Must be completed before Block Four)

- EDSE 421 - Instructional Methods for Secondary School Subjects (3-4 each)
- EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture (4)

#### Block Four (Must attend a mandatory directed teaching meeting prior to enrolling in these courses)

- EDSE 445C - Directed Teaching in Secondary Schools (10)  
or
- EDSE 489 - Demonstration of Instructional Competencies (10)  
or
- EDSE 445D - Proseminar: Assessment of Teaching Performance (2)

### Internship Credential Requirements

The Internship Credential Program is designed for individuals who are employed as full-time teachers by cooperating school districts, who have fulfilled all district and university prerequisites, and who have been recommended by the district. The credential is used for a two-year period. During that time, candidates must fulfill all requirements for the preliminary or professional clear credential. Applicants must satisfy the following

criteria to qualify for the universityrecommended internship credential.

- A bachelor's degree from a regionally accredited college or university.
- Job offer from a cooperating school district.
- Passing score on CBEST.
- Formal admission to the Charter College of Education and the Single Subject Internship Credential Program including completing EDCI 300, EDFN 413, and HS 456 or 457; complete professional education requirements given below.
- Verification of completion of a Commission-approved single subject matter program (see listings in undergraduate study chapter) or passing score on CTC approved subject assessments and verification of subject
- matter competence by subject-area department (i.e., department of student's undergraduate major).
- Satisfy the U.S. Constitution requirement
- Pass UNIV 400, the Writing Proficiency Examination (WPE), or acceptable alternative by petition.

## Internship Option 51- 52 quarter units

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### Block One

- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDSE 442I - Proseminar: Learning Environments and Instruction in the Secondary Teaching Internship (4)

### Block Two

- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSP 400 - Foundations of Special Education (4)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)

### Block Three

- EDSE 421 - Instructional Methods for Secondary School Subjects (3–4 each)
- EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture (4)

### Block Four

- EDSE 489 - Demonstration of Instructional Competencies (10)
- EDSE 445D - Proseminar: Assessment of Teaching Performance (2)

## Supplementary Authorizations

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Holders of a Single Subject or Multiple Subject credential issued by the state of California may add a supplemental authorization to teach in another discipline by completing additional course work. Interested students should consult the Charter College of Education Office for Student Services for further information.



# Single Subject Credential in Secondary Teaching

The teaching credential with authorization in single subject instruction qualifies holders to teach in their authorized field at any grade level, preschool, kindergarten, and grades 1 through 12, or in classes organized primarily for adults. Eleven categories of single subject instruction are defined by state legislation as follows: agriculture, art, business, English, health science, industrial and technological education, languages (including, but not limited to, Chinese, French, German, Russian, and Spanish), natural science (biological sciences, chemistry, geoscience or physics), mathematics, music, physical education, and social science.

Students considering pursuing a Single Subject credential are urged to obtain advisement at the start of the program from faculty advisers in their academic area and in Secondary Education. Candidates may enroll in programs leading to the preliminary/clear credential (see an adviser about admission requirements and enrollment limitations).

## Credential Requirements

Applicants must satisfy the following criteria to qualify for the University-recommended credential:

- A bachelor's degree from a regionally accredited college or university.
- Passing score on CBEST.
- Formal admission to credential program including attaining a GPA of 2.75 in the last 90 quarter units of coursework, completing EDCI 300 requirements, EDFN 413, and HS 456 or 457; complete professional education requirements given below. See *Admission to Credential Program* and *Directed Teaching Information* on the Division of Curriculum and Instruction.
- Verification of completion of a Commission-approved subject matter program by subject-area department (see listings in Undergraduate Study) or passing score on CTC-approved subject matter assessments. For Physical Education, please consult the School of Kinesiology and Nutritional Science.
- Pass UNIV 400, the *Writing Proficiency Examination (WPE)*, or acceptable alternative by petition.)
- Fulfill the U.S. Constitution requirement.
- Pass the Teaching Performance Assessment (TPA)
- Complete cardiopulmonary resuscitation (CPR) training

### Professional Education Requirements (47-48 units)

#### Block One (Must be completed before Block Two)

- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDSE 445A - Proseminar: Learning Environments and Instruction in Secondary Schools (4)

#### Block Two (Must be completed before Block Three)

- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSP 400 - Foundations of Special Education (4)

#### Block Three (Must be completed before Block Four)

- EDEL 421 - Teaching Language Arts in Elementary School (4) (3-4)
- EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture (4)

#### Block Four (Must attend a mandatory directed teaching meeting prior to enrolling in these courses)

- EDSE 445C - Directed Teaching in Secondary Schools (10)  
or
- EDSE 489 - Demonstration of Instructional Competencies (10)  
or
- EDSE 445D - Proseminar: Assessment of Teaching Performance (2)

## Internship Credential Requirements

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The Internship Credential Program is designed for individuals who are employed as full-time teachers by cooperating school districts, who have fulfilled all district and university prerequisites, and who have been recommended by the district. The credential is used for a two-year period. During that time, candidates must fulfill all requirements for the preliminary or professional clear credential. Applicants must satisfy the following criteria to qualify for the university-recommended internship credential.

- A bachelor's degree from a regionally accredited college or university.
- Job offer from a cooperating school district.
- Passing score on CBEST.
- Formal admission to the Charter College of Education and the Single Subject Internship Credential Program including completing EDCI 300, EDFN 413, and PH 456 or 457; complete professional education requirements given below.
- Verification of completion of a Commission-approved single subject matter program (see listings in undergraduate study chapter) or passing score on CTC approved subject assessments and verification of subject matter competence by subject-area department (i.e., department of student's undergraduate major).
- Satisfy the U.S. Constitution requirement
- Pass UNIV 400, the Writing Proficiency Examination (WPE), or acceptable alternative by petition.

### Internship Option 51- 52 quarter units

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#### Block One

- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDSE 442I - Proseminar: Learning Environments and Instruction in the Secondary Teaching Internship (4)

#### Block Two

- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSP 400 - Foundations of Special Education (4)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)

#### Block Three

- EDSE 421 - Instructional Methods for Secondary School Subjects (3–4 each)
- EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture (4)

#### Block Four

- EDSE 489 - Demonstration of Instructional Competencies (10)
- EDSE 445D - Proseminar: Assessment of Teaching Performance (2)

## Supplementary Authorizations

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Holders of a Single Subject or Multiple Subject credential issued by the state of California may add a supplemental authorization to teach in another discipline by completing additional course work. Interested students should consult the Charter College of Education Office for Student Services for further information.

## Division of Special Education and Counseling

Andrea Zetlin, Acting Chair

King Hall C1064

Phone: (323) 343-4400

E-mail : [azetlin@calstatela.edu](mailto:azetlin@calstatela.edu)

Margaret Garcia, Associate Chair, Coordination of Counseling Programs

Website: [www.calstatela.edu/academic/ccoe/index\\_edsp.htm](http://www.calstatela.edu/academic/ccoe/index_edsp.htm)

### Program Advisement:

The Charter College of Education's Division of Special Education and Counseling offers program advisement for the Undergraduate Blended Preliminary, Intern, and Clear credential programs in special education approved by the California Commission on Teacher Credentialing, certificates, and master's degrees in Special Education as well as the Ph.D. program in Special Education offered jointly with the University of California at Los Angeles (UCLA). The division also offers program advisement for the undergraduate B.S. degree in Rehabilitation Services, the Master's degree in Counseling, and for advanced credential programs approved by the California Commission on Teacher Credentialing. These programs are described in this section. Other general information about credentials and degree programs can be found in the Undergraduate Study and Graduate and Postbaccalaureate Study sections of this catalog.

### Courses offered in:

- Counseling (COUN)
- Higher Education (EDHI)
- Special Education (EDSP)

### Credentials Offered:

Educational Specialist in Special Education (The Educational Specialist Intern credential may be obtained in an undergraduate blended program. The Preliminary credential preparation may begin in undergraduate status. The Clear credential can be obtained in post baccalaureate status), Early Childhood Special Education, Mild/Moderate Disabilities, Moderate/Severe Disabilities, Physical and Health Impairments, Visual Impairment and Blindness, with authorizations in English Language (EL) and Autism are offered. The Clinical Rehabilitative Services Credential: Orientation and Mobility for the Blind and Visually Impaired. Credentials also offered in Pupil Personnel Services with Advanced Specializations in School Counseling and Child Welfare and Attendance Services, including internship; School Psychology and Child Welfare and Attendance Services; and School Psychology, including internship.

### Degrees Offered:

M.A. degree in Special Education with Options in: Autism, Early Childhood Special Education, Mild/Moderate Disabilities, Moderate/Severe Disabilities, Multicultural/Multilingual Special Education, Physical and Health Impairments, Visual Impairment and Blindness: Orientation and Mobility, and Visual Impairment and Blindness: Teacher Education. Ph.D. in Special Education (offered jointly with UCLA). Degrees also offered for the B.S. in Rehabilitation Services and the M.S. in Counseling with Options in Applied Behavior Analysis, School Counseling Leadership; Marriage, Family and Child Counseling; and, School Psychology, and Rehabilitation Counseling. A Minor in Rehabilitation Services is also offered.

### Certificates Offered:

Applied Behavior Analysis in Educational Settings, Autism, Career Counseling, Early Childhood Special Education, Transition Studies

### The Faculty

**Professors:** Sherwood Best, Martin G. Brodwin, Randy V. Campbell, Mary A. Falvey, Diane Fazzi, Diane Haager, George K. Hong, Nancy Hunt,

Christina H. Kimm, Pauline Mercado, David Peterson, Kathryn C. Reilly, Marcel Soriano, Lois Weinberg Andrea G. Zetlin (Acting Chair).

**Associate Professors:** Sheri Atwater, Michael J. Carter, Margaret D. Clark, Margaret Garcia, Holly Menzies, Heidi Paul, Elizabeth Perluss, Jennifer Symon, Mchelle Wallace.

**Assistant Professors:** Audrey Ham, Cheryl Kamei Hannan, Sungho Park, Leila Ricci, Frances Siu.

**Emeriti:** Isaac Berman, Gary Best, V. Patricia Beyer, David Bilovski, Philip C. Chinn, Barbara J. Clark, John A. Dahl, Shirley D. Davis, Robert A. Eisenberg, Robert G. Hadley, Edmond C. Hallberg, Raymond E. Hillis, Colleen B. Jamison, M. Diane Klein, Jean Utley Lehman, Jasper Little, Judith S. Margolis, C. Lamar Mayer, G. Roy Mayer, Fred G. Rhodes, J. Leonard Steinberg, Joseph Stubbins, Rose- Marie Swallow, Hershel Swinger, F. Annette Tessier, Alice V. Watkins.

## The Counseling and Assessment Clinic

The Counseling and Assessment Clinic is operated by the Division of Special Education and Counseling, and is located in King Hall C1067. It is an instructional laboratory that provides both training for counselors and counseling services to the community. Students working toward a master's degree or credential in counseling serve as student clinicians under direct faculty supervision.

## The Diagnostic Resource Center

The Diagnostic Resource Center (DRC) is located in King Hall C1063. It provides a lending service for psychological and educational assessment materials to qualified students for class and internship related activities.

## Continued Professional Development

Competence in the helping professions requires continuous efforts at self improvement and development of skills. To assist practicing counselors, school psychologists, and other educators in improving their professional skills, the Counselor Education faculty has developed the following programs of continued professional development leading toward certificates.

The programs provide an opportunity for educational practitioners to meet with their colleagues to keep abreast of innovative professional developments and to experience stimuli for continued personal and professional growth.

### Programs for this Department:

#### Undergraduate Major

- Rehabilitation Services, B.S.

#### Undergraduate Minor

- Rehabilitation Services Minor

#### Graduate Major

- Counseling, M.S.
- Special Education, M.A.

#### Doctoral Program

- Doctor of Philosophy in Special Education

#### Graduate Certificate

- Graduate Certificate Program in Applied Behavior Analysis in Educational Settings
  - Graduate Certificate Program in Autism
    - Graduate Certificate Program in Career Counseling
      - Early Childhood Special Education: Infancy Emphasis Certificate
      - Early Childhood Special Education: Preschool Emphasis Certificate
      - Early Childhood Special Education: Transition Specialist Certificate

#### Credential

- Education Specialist Credential Programs
  - Pupil Personnel Services Credential

## Rehabilitation Services, B.S.



The Bachelor of Science degree in Rehabilitation Services specializes in preparing students to work in a variety of occupational settings. In these settings, they will advance the independence, integration, and full participation of individuals with rehabilitation needs in the workforce and the community.

The total number of units for the Bachelor of Science degree in Rehabilitation Services is 180 units, of which 93-103 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Advisement

Rehabilitation Services majors must select their adviser by the end of the first quarter of their junior year to draw up an official degree program.

#### Requirements for the Major (93-103 units)

The degree requires a total of 180 units of which 93-103 are in the major. The major includes 14 lower division and 63-64 upper division required units plus 16–25 units of electives. See the Undergraduate Studies: General Information section for information about General Education and other requirements concerning the units outside the major.

#### Lower Division Required Courses (14 units)

- COUN 200A - Introduction to Rehabilitation Services (3)
- COUN 200B - Introduction to Rehabilitation Services (3)
- PSY 150 - Introductory Psychology (4)
- SOC 201 - Principles of Sociology (4)

#### Upper Division Required Courses (63-64 units)

- COUN 400A - Lifespan Human Development (4)
- COUN 400B - Lifespan Human Development (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 442 - Medical Factors in Rehabilitation (3)
- COUN 445 - Developmental Self Exploration (2)
- COUN 448 - Career Counseling for Adults (4)
- COUN 449 - Job Development and Work Evaluation (4)
- COUN 450 - Counseling Theories (3)
- COUN 494 - Seminar: Rehabilitation Services (3) **(3, 3)**
- COUN 495 - Field Work in Rehabilitation Services (3–9) **(3, 3, 3)**
- EDFN 452 - Statistics in Education (4) **or**
- PSY 302 - Inferential Statistics in Psychology (5)
- EDSP 400 - Foundations of Special Education (4)
- PH 456 - Drugs and Health (4)
- COUN 301 - Writing for Rehabilitation Services (4)

#### Electives in Related Fields (16–25 units):

Select upper division courses as electives from the following departments: COUN, EDSP, HS, PSY, SOC, and SW, with adviser approval.



## Rehabilitation Services Minor

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The minor in Rehabilitation Services is designed to provide valuable preparation for students majoring in psychology, sociology, social work, criminal justice, and other fields for occupations related to the needs and activities of people with disabilities.

A total of 23-24 units in required and elective courses comprise the minor in Rehabilitation Services.

### Requirements for the Minor (23-24 units)

#### Lower Division Required Course (6 units)

- COUN 200A - Introduction to Rehabilitation Services (3)
- COUN 200B - Introduction to Rehabilitation Services (3)

#### Upper Division Required Courses (14 units)

- COUN 442 - Medical Factors in Rehabilitation (3)
- COUN 448 - Career Counseling for Adults (4)
- COUN 450 - Counseling Theories (3)
- EDSP 400 - Foundations of Special Education (4)

#### Elective (3-4 units)

Select any 3-4 units from the following courses:

- COMD 170 - Introduction to Communication Disorders (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4) **also listed as**
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 449 - Job Development and Work Evaluation (4)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- COUN 499 - Undergraduate Directed Study (1-4) **also listed as**
- EDSP 499 - Undergraduate Directed Study (1-4)
- YAA 490 - Volunteer Management and Fund-Raising (4)

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## Counseling, M.S.

The Master of Science degree in Counseling includes the following options:

- Applied Behavior Analysis
- School Counseling Leadership
- Marriage, Family, and Child Counseling\*
- Rehabilitation Counseling
- School Psychology

*\*Includes school counseling focus*

### Admission to the Program

In addition to University requirements for admission to graduate study, students must have a 2.75 grade point average in the last 90 quarter units attempted, submit the divisional application form, take additional examinations required by the division, and be interviewed by the divisional screening committee. Successful candidates are admitted to cohort groups and must take a prescribed sequence of cohort classes.

Applications are considered once a year for admission to the Fall Quarter. Applications must be submitted to the division of special education and counseling. Cohorts are admitted to the fall quarter of each year. Prospective candidates must check with the division office for annual application deadlines. Late applications may be considered if space is available. Prior to admission to the program, graduate students are encouraged to obtain preliminary advisement and begin taking prerequisite and unrestricted courses, not to exceed 13 units. Upon acceptance, each student is assigned a faculty adviser and a cohort group. Admission is conditional until successful completion of COUN 505 and COUN 400A or 500A.

### Requirements for the Degree (77 –115 units)

A total of 77-115 units are required, depending on the option, prior coursework, and culminating experience selected (Comprehensive Examination, Thesis or Project), with at least half of the units in 500-level courses. The School Psychology option requires at least two-thirds of the units to be at the 500- level. The school psychology option requires at least two-thirds of the units to be at 500-level.

The program consists of a required core, other required courses, courses in self-development and special interest and a comprehensive examination or thesis. Students must demonstrate proficiency in statistics and may do so by completing EDFN 452. There is a limit on credit that may be earned in variable-unit courses. See *Restriction on Credit Earned in Variable Unit Courses* in the Charter College of Education section.

Before students may take courses to meet the field work requirement, they must be advanced to candidacy and must be recommended by their adviser. Written applications for fieldwork must be submitted to the Division Office during the fifth week of the quarter *prior* to the quarter in which the student desires a fieldwork placement. Fieldwork application forms are available in the Division Office for an option.

Students who select the comprehensive examination (COUN 596) must be advanced to candidacy and must comply with college and division requirements before enrolling to take the examination. These requirements include a formal application no later than February 1 for the Spring Quarter examination which is offered on the second Saturday of May, or August 1 for the Fall Quarter examination which is offered on the second Saturday of November. This application is available in the division office.

Students having research interests are encouraged to undertake the thesis. Selecting the thesis/project option may increase the number of units required for completion of the program. Students are encouraged to begin thesis planning as soon as possible.

### Dual Option Requirements

Students may complete the requirements for two options of the M.S. degree in Counseling. In such a case, both options may be pursued either simultaneously or sequentially. Some courses can count toward both options, but by university policy, the second option must include at least 23 new units. In actual practice, the second option involves more than 23 units. Students should see advisors in both options to plan dual option requirements.

### Options

- Applied Behavior Analysis (Without Emphasis in Pupil Personnel Services credential With Advanced Authorization in School Counseling and

- Child Welfare and Attendance)
- Applied Behavior Analysis (With Emphasis in Behavior Intervention Case Management within the School Counseling Program to Qualify for the Pupil Personnel Services Credential with Advanced Authorization in School Counseling and Child Welfare and Attendance)
- Marriage, Family, and Child Counseling
- Marriage, Family, and Child Counseling (PPS Emphasis)
- Rehabilitation Counseling
- School Counseling Leadership
- School Psychology

## **Option in Applied Behavior Analysis (91-101 units)**

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### **(Without Emphasis in Pupil Personnel Services credential With Advanced Authorization in School Counseling and Child Welfare and Attendance)**

The program is designed for graduate students who plan to work as behavior analysts, case managers or consultants, and for those who elect to specialize in the behavioral area for doctoral training.

#### **Prerequisites (11 units)**

May be met by the following courses or other current or prior coursework with adviser approval.

- COUN 450 - Counseling Theories (3)
- EDFN 452 - Statistics in Education (4)
- EDSP 400 - Foundations of Special Education (4)

#### **Required Core (31 units)**

- COUN 400A - Lifespan Human Development (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- EDSP 586 - Educating Students with Autism (4)

#### **Other Required Courses (54 units)**

Students who do not wish to obtain the Pupil Personnel Services Credential with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services must complete the following:

- COUN 489 - Behavior Management Using Reinforcement in Classrooms (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 591 - Supervised Field Experience in Applied Behavior Analysis (3) (repeated for 15 units)
- COUN 593 - Practicum: Staff Development and Consultation (3)
- PSY 417 - Single Case Research Design (4)
- PSY 421 - Psychology of Learning and Behavior (4)
- PSY 428 - Introduction to Analysis of Behavior (4)
- PSY 500 - Seminar: Learning and Behavior (4)
- PSY 528 - Seminar in Applied Behavior Analysis (4)

#### **Self-Development and Special Interest (6-9 units)**

Select six - nine units of electives related to your program with adviser approval.

Appropriate substitutions may be made in special instances with adviser recommendation and division chair approval.

#### **Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)
- or
- COUN 599A - Thesis or Project Planning (3)
- and
- COUN 599B - Thesis or Project (2)
- and
- COUN 599C - Thesis or Project (2)

## **Option in Applied Behavior Analysis (105- 115 units)**

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### **(With Emphasis in Behavior Intervention Case Management within the School Counseling Program to Qualify for the Pupil Personnel Services Credential with Advanced Authorization in School Counseling and Child Welfare and Attendance)**

Students may elect to complete the **Behavior Intervention Case Management** emphasis within the School Counseling Program and qualify for the Pupil Personnel Services Credential with Advanced Authorization in School Counseling and Child Welfare and Attendance in addition to the Masters Degree by completing the following courses in place of the above list:



**Prerequisites (11 units)**

May be met by the following courses or other current or prior coursework with adviser approval.

- COUN 450 - Counseling Theories (3)
- EDFN 452 - Statistics in Education (4)
- EDSP 400 - Foundations of Special Education (4)

**Required Core (31 units)**

- COUN 400A - Lifespan Human Development (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- EDSP 586 - Educating Students with Autism (4)

**Other Required Courses (68 units)**

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- COUN 400B - Lifespan Human Development (4)
- COUN 460 - Laws Relating to the Child and Family (4)
- COUN 489 - Behavior Management Using Reinforcement in Classrooms (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 516 - Group Counseling (4)
- COUN 517 - Group Counseling: Practicum (3)
- COUN 557 - Career Education and Guidance in Schools (4)
- COUN 581 - Seminar: Leadership in Pupil Personnel Services (4)
- COUN 583 - Preventive Counseling (4)
- COUN 586S - School Counseling (2–10) (Repeated for 9 units)
- COUN 586W - Child Welfare and Attendance (2–10) (3 units)
- COUN 591 - Supervised Field Experience in Applied Behavior Analysis (3) (Repeated for 10 units)
- COUN 593 - Practicum: Staff Development and Consultation (3) (3 units)

**Self-Development and Special Interest (6-9 units)**

Select six - nine units of electives related to your program with adviser approval.

Appropriate substitutions may be made in special instances with adviser recommendation and division chair approval.

**Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)

or

- COUN 599A - Thesis or Project Planning (3)  
and
- COUN 599B - Thesis or Project (2)  
and
- COUN 599C - Thesis or Project (2)

**Option in Marriage, Family, and Child Counseling (91-98 units)**

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**(Without the Emphasis in PPS Credential with Advanced Authorization in School Counseling and Child Welfare and Attendance)**

This option is designed to train family systems oriented counselors who are eligible to apply for licensure in California as a Marriage and Family Therapist (MFT). It meets state requirements for licensure in Marriage and Family Therapy (MFT) as outlined in the Business and Professions Code, Section 4980.37. Students fulfill degree requirements by completing the required **23** units in the required core, plus option requirements of **62** units, and completing either a thesis/project or comprehensive examination.

**Prerequisites (15 units)**

May be met by the following courses or other current or prior coursework with adviser approval.

- COUN 450 - Counseling Theories (3)
- EDFN 452 - Statistics in Education (4)
- EDSP 400 - Foundations of Special Education (4)
- PSY 410A or B - Abnormal Psychology (4)

**Required Core (23 units)**

- COUN 400A - Lifespan Human Development (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)

### Other Required Courses (62 units)

Students who do not wish to obtain the Pupil Personnel Services Credential with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services must complete the following (61 units):

- COUN 400B - Lifespan Human Development (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
  
- COUN 460 - Laws Relating to the Child and Family (4)  
or
- PSY 464 - Psychology and the Law (4)
  
- COUN 506 - Individual Counseling Strategies (4)
- COUN 516 - Group Counseling (4)
- COUN 520 - Introduction to Family Evaluation and Counseling (4)
- COUN 521 - Advanced Family and Marriage Counseling (4)
- COUN 522 - Family Counseling with Children (4)
- COUN 523 - Family Counseling Laboratory (3) (for 6 units)
- COUN 538 - Seminar: Methods of Diagnostic Assessment in Counseling (4)
- COUN 593 - Practicum: Staff Development and Consultation (3)
  
- COUN 552 - Counseling and Human Sexuality (4)  
or
- PSY 542 - Human Sexuality: Dysfunction and Treatment (4)
  
- COUN 589 - Site Practicum in Marriage, Family, and Child Counseling (2–10) (repeated for 9 units.)
- PH 456 - Drugs and Health (4)

### Self-Development and Special Interest (6 units)

- COUN 589 - Site Practicum in Marriage, Family, and Child Counseling (2–10)

### Comprehensive Examination or Thesis or Project (0, 7 units)

- COUN 596 - Comprehensive Examination (0)  
or
- COUN 599A - Thesis or Project Planning (3)  
and
- COUN 599B - Thesis or Project (2)  
and
- COUN 599C - Thesis or Project (2)

### Option in Marriage, Family, and Child Counseling (105-112 units)

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#### (With the Emphasis in Pupil Personnel Services Credential with Advanced Authorization in School Counseling and Child Welfare and Attendance)

School-Based Family Counseling (105-112 units) Students may elect to complete training in **School-Based Family Counseling** and qualify for the Pupil Personnel Services Credential with Advanced Authorization in School

Counseling and Child Welfare and Attendance Services in addition to the Masters Degree by completing the following:

#### Required core (23 units)

- COUN 400A - Lifespan Human Development (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)

#### Other Required Courses (76 units)

- COUN 400B - Lifespan Human Development (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
  
- COUN 460 - Laws Relating to the Child and Family (4)  
or
- PSY 464 - Psychology and the Law (4)
  
- COUN 506 - Individual Counseling Strategies (4)
- COUN 516 - Group Counseling (4)
- COUN 520 - Introduction to Family Evaluation and Counseling (4)
- COUN 521 - Advanced Family and Marriage Counseling (4)
- COUN 522 - Family Counseling with Children (4)
- COUN 523 - Family Counseling Laboratory (3) (for 6 units)
- COUN 538 - Seminar: Methods of Diagnostic Assessment in Counseling (4)
- COUN 539 - Psychopharmacology For Counselors (3)
  
- COUN 552 - Counseling and Human Sexuality (4)  
or
- PSY 542 - Human Sexuality: Dysfunction and Treatment (4)

- COUN 557 - Career Education and Guidance in Schools (4)
- COUN 581 - Seminar: Leadership in Pupil Personnel Services (4)
- COUN 586S - School Counseling (2–10) (repeated for 9 units)
- COUN 586W - Child Welfare and Attendance (2–10) (3 units)
- COUN 589 - Site Practicum in Marriage, Family, and Child Counseling (2–10) (repeated for 3 units)
- PH 456 - Drugs and Health (4)

Note:

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An extensive MFCC Handbook, containing detailed description of the program, required form for registering with the Board of Behavioral Science Examiners, and the Site Practicum Manual is available in the division office.

**Self-Development and Special Interest (6 units)**

- COUN 589 - Site Practicum in Marriage, Family, and Child Counseling (2–10)

**Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)

or

- COUN 599A - Thesis or Project Planning (3)
- and
- COUN 599B - Thesis or Project (2)
- and
- COUN 599C - Thesis or Project (2)

**Option in Rehabilitation Counseling (77 to 84)**

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The Rehabilitation Counseling program prepares students to: a) function effectively as professional rehabilitation counselors in a variety of employment settings; and b) develop their own skills to function effectively at the time of graduation and beyond as the profession changes. Rehabilitation counselors must be knowledgeable in vocational and personal potentialities in order to carry on their main function of helping individuals to achieve satisfaction in areas including work, education, and personal social functioning. The program is accredited by the Council of Rehabilitation Education (CORE). The Master of Science degree in Counseling: Option in Rehabilitation offers concentrations in Student Development Counseling and in Transition Services.

**Note:**

*Graduates of the CSULA BS in Rehabilitation Services may complete the MS program with 63 minimum units.*

**Prerequisites (7 units)**

May be met by the following course or other current or prior coursework with adviser approval.

- COUN 450 - Counseling Theories (3)
- EDFN 452 - Statistics in Education (4)

**Required Core (23)**

- COUN 400A - Lifespan Human Development (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)

**Other Required Courses (48 units)**

- COUN 400B - Lifespan Human Development (4)
- COUN 442 - Medical Factors in Rehabilitation (3)
- COUN 448 - Career Counseling for Adults (4)
- COUN 449 - Job Development and Work Evaluation (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 540A - Foundations of Rehabilitation (4)
- COUN 540B - Foundations of Rehabilitation (4)
- COUN 542A - Medical Aspects of Disability (3)
- COUN 542B - Medical Aspects of Disability (3)
- COUN 588 - Supervised Practice in Rehabilitation Counseling (3–10) (repeated for 15 units)

**Self-Development and Special Interest (6 units)**

- COUN 516 - Group Counseling (4) (4 units)
- and two or more units of Self-Development/Special Interest units with advisor approval.

**Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)

or

- COUN 599A - Thesis or Project Planning (3)  
**and**
- COUN 599B - Thesis or Project (2)  
**and**
- COUN 599C - Thesis or Project (2)

**Concentrations:**

Student Development Counseling

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**(81 to 88 units depending on prior coursework)**

The Student Development Counseling Concentration in the Rehabilitation Counseling program is designed to train students to work in higher education colleges and universities with an emphasis in disability. These students will be competent in: 1) providing and designing effective counseling services to higher education students; 2) evaluating social, psychological, educational, vocational and cultural issues as related to students with and without disabilities; and 3) assisting students to make the transition from high school to post-secondary education and beyond.

Rehabilitation Counseling students with a concentration in Student Development Counseling must take COUN 510 and 587 for the "Self-Development and Special Interest" requirement in the required core.

**Required Concentration Courses (41 units)**

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- COUN 400B - Lifespan Human Development (4)
- COUN 442 - Medical Factors in Rehabilitation (3)
- COUN 448 - Career Counseling for Adults (4)
- COUN 449 - Job Development and Work Evaluation (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 540A - Foundations of Rehabilitation (4)
- COUN 540B - Foundations of Rehabilitation (4)
- COUN 542A - Medical Aspects of Disability (3)
- COUN 542B - Medical Aspects of Disability (3)
- COUN 588C - Supervised Practice in Rehabilitation/Career Counseling (3–5)
- EDSP 581 - Transition Planning for Secondary Students with Disabilities (4)

Transition Services (52 units)

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The Transition Services Concentration in the Rehabilitation Counseling program trains transition specialists to be competent in: 1) providing and designing appropriate and effective transition services to secondary students with disabilities; 2) evaluating transition plans in light of collaboration among professionals including business and community leaders as well as parents, teachers, and other related service professionals in the multicultural/multilingual urban setting; and 3) conducting research in the transition field.

Rehabilitation Counseling students with a concentration in Transition Services must take EDSP 581 and 584 for the "Self-Development and Special Interest" requirement in the required core.

**Required Concentration Courses (52 units)**

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- COUN 400B - Lifespan Human Development (4)
- COUN 442 - Medical Factors in Rehabilitation (3)
- COUN 448 - Career Counseling for Adults (4)
- COUN 449 - Job Development and Work Evaluation (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 540A - Foundations of Rehabilitation (4)
- COUN 540B - Foundations of Rehabilitation (4)
- COUN 542A - Medical Aspects of Disability (3)
- COUN 542B - Medical Aspects of Disability (3)
- COUN 588 - Supervised Practice in Rehabilitation Counseling (3–10) (15 units)
- EDSP 400 - Foundations of Special Education (4)

**Option in School Counseling Leadership (92-99 units)**

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The School Counseling Leadership program is designed for future school counselors who wish to develop leadership skills in school counseling and earn the Master of Science degree in Counseling: Option in School Counseling Leadership. Students who complete this option also qualify to apply for the Pupil Personnel Services Credential with advanced authorizations in School Counseling and Child Welfare and Attendance services.

Students who select this program recognize the challenges of today's urban schools and foresee the synergism possible when combining the skills and roles of an effective counselor with those of an effective leader. Students complete the counseling core, and the following requirements for the option.

**Prerequisite (11units)**

May be met by the following courses or other current or prior coursework with adviser approval.

- COUN 450 - Counseling Theories (3)
- EDFN 452 - Statistics in Education (4)
- EDSP 400 - Foundations of Special Education (4)

#### **Required Core (23 units)**

- COUN 400A - Lifespan Human Development (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)

#### **Required Courses (60 units)**

- COUN 400B - Lifespan Human Development (4)
- COUN 460 - Laws Relating to the Child and Family (4)
- COUN 484 - Conferences with Parents/Primary Caregivers (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 507 - Individual Clinical Counseling (3)
- COUN 516 - Group Counseling (4)
- COUN 517 - Group Counseling: Practicum (3)
- COUN 522 - Family Counseling with Children (4)
- COUN 536 - Practicum: School-Based Consultation (3)
- COUN 557 - Career Education and Guidance in Schools (4)
- COUN 581 - Seminar: Leadership in Pupil Personnel Services (4)
- COUN 583 - Preventive Counseling (4)
- COUN 586S - School Counseling (2–10)
- COUN 586W - Child Welfare and Attendance (2–10)

#### **Self-Development and Special Interest**

(9 units) Selected with the approval of the advisor .

#### **Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)
- or**
- COUN 599A - Thesis or Project Planning (3)
- and**
- COUN 599B - Thesis or Project (2)
- and**
- COUN 599C - Thesis or Project (2)

### **School Psychology (116 to 123)**

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School psychologists focus on the psychoeducational development of individuals from birth to age 21, their abilities and potentialities, biological, emotional, behavioral, and cultural factors that influence the learning process. Students who earn the master's degree with this option also qualify for the Pupil Personnel Services credential with advanced specializations in School Psychology and advanced specialization in Child Welfare and Attendance Services. Students in this option should see information below regarding the School Psychology Internship credential. For accreditation reasons, undergraduate student access to 500-level courses in this program is not permitted.

#### **Note:**

*School psychology students must take COUN 500A rather than COUN 400A in the core.*

#### **Required Core (23 units)**

- COUN 428 - Measurement Issues in Counseling (4)
- COUN 500A - Theoretical and Developmental Aspects of Behavior (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 529 - Principles of Research and Program Evaluation in Counseling (4)

#### **Other Required Courses (87 units)**

- COUN 460 - Laws Relating to the Child and Family (4)
  - COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
  - COUN 506 - Individual Counseling Strategies (4)
  - COUN 516 - Group Counseling (4)
  - COUN 531A - Individual Testing and Case Study Techniques (4)
  - COUN 531B - Individual Testing and Case Study Techniques (4)
  - COUN 532 - Diagnosis of Learning Problems and Remedial Procedures (4)
  - COUN 533 - Psychological Testing Applied to Mentally, Physically Atypical (4)
  - COUN 534 - Methods of Personality Assessment (4)
  - COUN 535 - Alternative Assessment (3)
- 
- COUN 536 - Practicum: School-Based Consultation (3)

- or**
- COUN 593 - Practicum: Staff Development and Consultation (3)
  
- COUN 537 - Practicum: School Psychology (1–3)
- COUN 581 - Seminar: Leadership in Pupil Personnel Services (4)
- COUN 585 - Seminar: School Psychology (4)
- COUN 586P - School Psychology (2–10) (for 30 units)
- COUN 586W - Child Welfare and Attendance (2–10)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)

**Self-Development and Special Interest**

(6 units) Selected with the approval of the advisor .

Students must take COUN 507 or COUN 517 to meet 3 units of the “Self Development and Special Interest” area.

**Comprehensive Examination or Thesis or Project (0, 7 units)**

- COUN 596 - Comprehensive Examination (0)

**or**

- COUN 599A - Thesis or Project Planning (3)
- and**
- COUN 599B - Thesis or Project (2)
- and**
- COUN 599C - Thesis or Project (2)

Note:

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An internship manual, which contains guidelines, procedures, and other information, is available in the division office. School Psychology candidates must attempt the Nation School Psychology Examination Administered by Educational Testing Service (ETS/PRAXIS II #10400) as part of the degree requirement.

## Special Education, M.A.

   Print this Page

Master of Arts degree in Special Education the Master of Arts (MA) degree in Special Education provides administrators, teachers, and therapists with advanced preparation for work with exceptional learners. MA candidates must incorporate the credential requirements in their area of specialization as a part of their program. (This requirement may be waived for personnel in related fields, such as nurses, occupational or physical therapists, or speech language pathologists.) The MA programs include a choice among a variety of options.

### Admission to the Program

In addition to university requirements for admission to graduate study, applicants must have a minimum of a 2.75 grade point average in their last 90 quarter units attempted, must have completed (or complete concurrently) requirements for a California credential in special education or equivalent (this requirement may be waived for personnel in related fields, such as nurses, occupational or physical therapists, or speech language pathologists.), must complete all division application procedures, and must obtain approval from the division. A number of scholarships and traineeships are available to qualified students. Interested students should contact the division office.

### Advisement

Students should seek advisement for all special education credential and graduate programs in the division of special education and counseling.

Candidates are encouraged to apply for the MA program during the second or third quarter of the credential program, as only 13 pre-approved units may be applied towards the MA degree.

#### Requirements for the Degree (45 units minimum)

A minimum of 45 units is required, with at least one-half in 500-level courses. The candidate must maintain a minimum 3.0 (b) grade point average, with no grade lower than C. The program has five components: (1) Pre-requisite courses as applicable; (2) Credential requirements; (3) MA required core courses; (4) Required specialization courses and electives that are approved by the adviser; and (5) Successful completion of the Comprehensive Examination or Thesis/Project. Students must pass all sections of the comprehensive examination by the third attempt. Students may pursue the thesis or project option only when they meet specified division and college criteria. Students electing the thesis and planning to perform quantitative analysis are required to take EDFN 452 statistics in education (4 units) or equivalent as a prerequisite or corequisite to EDSP 599A. See restriction on credit earned in variable unit courses in the Charter College of Education section of the academic programs: college-based and university-wide chapter.

#### MA Options

Select one option from the following, with adviser consultation and approval. Special Education credential and related courses may be included as approved by the faculty adviser.

Autism Option

Early Childhood Special Education Option

Facilitating Behavior Change Option

Inclusion Facilitator Option

Mild Moderate Disabilities Option

Moderate Severe Disabilities Option

Multicultural Multilingual Special Education Option

Physical And Health Impairments Option

Transition Studies Option

Visual Impairment And Blindness Orientation And Mobility OM Option

Visual Impairment And Blindness Teacher Preparation Option

## Autism Option (49 units)

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### MA Core Courses (8 units)

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- **or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

### Required Courses (34 units)

- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- EDSP 503 - Field Work in Special Education (3–6) **(3 units)**
- EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- EDSP 554 - Educating Individuals with Emotional/Behavioral Disorders (4)
- EDSP 586 - Educating Students with Autism (4)
- EDSP 587 - Teaching Functional Communication (4)

### Thesis/Project (7 units)

- EDSP 599A - Thesis or Project Planning (3)
  - EDSP 599B - Thesis or Project (2)
  - EDSP 599C - Thesis or Project (2)
- Students in Autism must elect the Thesis/Project (7 units).

## Early Childhood Special Education Option (47-50 units)

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### Prerequisites (12 units)

- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)

### MA Core courses (8 units)

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- **or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

### Required Courses (27 units)

- EDSP 485 - Emergent Literacy: Curriculum and Accommodations for Young Children with Disabilities (4)
- EDSP 503 - Field Work in Special Education (3–6)
- EDSP 514 - Assessment of Infants and Young Children with Special Needs (4)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)
- EDSP 516 - Medical and Behavioral Characteristics of Young Infants with Special Needs (4)
- EDSP 517 - Advanced Issues in Early Childhood Special Education (4)
- EDSP 570A - Low Incidence Early Childhood Special Education (2)
- EDSP 570B - Low Incidence Early Childhood Special Education (2)

### Electives (8-12 units)

Students will take a minimum of 8-12 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

### Comprehensive Examination/Thesis/Project (0-7 units)

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)
- **and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the comprehensive examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

## Facilitating Behavior Change Option (46 units)

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### Prerequisites (8)

- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4) **(or equivalent)**
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4) **(or equivalent)**

**Note: A minimum GPA of 3.0 is required for admission to this option.**

### MA Core courses (8 units)



- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- **or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### **Required Courses (23 units)**

- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- COUN 593 - Practicum: Staff Development and Consultation (3)
- EDSP 554 - Educating Individuals with Emotional/Behavioral Disorders (4)

#### **Electives (8 units)**

Students may take a minimum of 8 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

*Note: Students will complete a thesis only. In applied settings, it is critical for individuals working in behavior change to be skilled at designing and conducting intervention programs. The thesis option will provide that experience.*

#### **Thesis/Project (7 units)**

- EDSP 599A - Thesis or Project Planning (3)
- **and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

### **Inclusion Facilitator Option (45-55 units)**

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- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- **or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### **Required Courses (25 -28 units)**

- \* EDSP 450 - Teaching Students with Mild to Severe Disabilities (4)
- \* EDSP 502 - Educational Measurements in Special Education (4)
- EDSP 503 - Field Work in Special Education (3–6)
- \* EDSP 512 - Building Partnerships in Special Education (2)
- \* EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- \* EDSP 582 - Advanced Instructional Interventions for Individuals with Moderate to Severe Disabilities (4)
- EDSP 583 - Advanced Issues and Research in Inclusive Education (4)

#### **Electives (12 units)**

- \* EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education (4)
- EDSP 508 - Technology Applications in Special Education (4)
- \* EDSP 554 - Educating Individuals with Emotional/Behavioral Disorders (4)
- \* EDSP 555 - Advanced Methods in Mild/Moderate Disabilities (4)
- EDSP 556 - Research in Mild/Moderate Disabilities (4)
- \* EDSP 581 - Transition Planning for Secondary Students with Disabilities (4)
- \* EDSP 587 - Teaching Functional Communication (4)
- EDSP 598 - Graduate Directed Study (1–4)

**\*Are also required for the credentials.**

#### **Comprehensive Examination/Thesis/Project ( 0 -7 units)**

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)
- **and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

### **Mild/Moderate Disabilities Option (45-46 units)**

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#### **Prerequisites (4 units)**

- EDSP 400 - Foundations of Special Education (4)

#### **MA Core Courses (8 units)**

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)

- or
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### Required Courses (29-30 units)

- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- or
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- and
- EDSP 412 - State Standards and the Individualized Education Program (2)
- or
- EDSP 598 - Graduate Directed Study (1–4)
- and
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 554 - Educating Individuals with Emotional/Behavioral Disorders (4)
- EDSP 556 - Research in Mild/Moderate Disabilities (4)
- EDSP 557 - Teaching Foundational Literacy Skills to Students with Mild/Moderate Disabilities (4)
- EDSP 558 - Teaching Comprehension and Written Language to Students with Mild/Moderate Disabilities (4) (4 units)

#### Electives (0-8 units)

Students will take 0-8 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

#### Comprehensive Examination/Thesis/Project ( 0-7 units)

- EDSP 596 - Comprehensive Examination (0) or
- EDSP 599A - Thesis or Project Planning (3)
- and
- EDSP 599B - Thesis or Project (2) and
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

### Moderate/Severe Disabilities Option (45-52 units)

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#### Prerequisites (4 units)

- EDSP 400 - Foundations of Special Education (4)

#### MA Core Courses (8 units)

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- or
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### Required Courses (28 units)

- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)
- EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education (4)
- or
- EDSP 587 - Teaching Functional Communication (4)
- and
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- EDSP 582 - Advanced Instructional Interventions for Individuals with Moderate to Severe Disabilities (4)
- EDSP 579 - Developing Informal Assessment and ITP (4)

#### Electives (9 units)

Students will take a minimum of 9 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

#### Comprehensive Examination/Thesis/Project (0-7 units)

- EDSP 596 - Comprehensive Examination (0) or
- EDSP 599A - Thesis or Project Planning (3)
- and
- EDSP 599B - Thesis or Project (2) and
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

### Multicultural Multilingual Special Education Option (46 units)

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#### Prerequisites (4 units)

- EDSP 400 - Foundations of Special Education (4)

### MA Core Courses (8 units)

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- or
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

### Required Courses (26 units)

- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDSP 412 - State Standards and the Individualized Education Program (2) **and**
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)
- or
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4) **and**
- EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- EDSP 557 - Teaching Foundational Literacy Skills to Students with Mild/Moderate Disabilities (4) **and**
- EDSP 582 - Advanced Instructional Interventions for Individuals with Moderate to Severe Disabilities (4)
- or
- EDSP 558 - Teaching Comprehension and Written Language to Students with Mild/Moderate Disabilities (4) (4 units) **and**
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)

### A. Select two courses in one of the methodology areas listed below (8 units)

#### Bilingual Methodology

- EDCI 453 - Teaching in Bilingual/Crosscultural Schools (4)
- EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals (4)

or

#### ESL Methodology

- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- TESL 560 - Theories of Teaching and Learning Second Languages (4)
- TESL 562 - Methods for Teaching Second Languages (4)
- TESL 564 - Teaching English as a Second Language for Academic Purposes (4)

### B. Select one culture course from the listing below:

- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 410 - Chicano Psychology (4)
- CHS 470 - Chicano Educational Issues (4)
- CHS 504 - Seminar: Chicano Psychological Issues (4)
- COMM 489 - Intercultural Communication (4)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)
- EDSE 590 - Teaching in Multicultural Middle and Secondary Classrooms (4)
- PAS 401 - Topics on Education and African American Advancement (4)
- PHIL 436 - South Asian Philosophy (4)
- PHIL 437 - East Asian Philosophy (4)

### Electives (0 units)

Students may take advisor approved electives.

### Comprehensive Examination/Thesis/Project (0-7 units)

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)
- and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

## Physical and Health Impairments Option (45 units)

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### Prerequisites (4 units)

- EDSP 400 - Foundations of Special Education (4)

### MA Core Courses (8 units)

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- or
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

### Required Specialization Courses (14 units)

- EDSP 460 - Implications of Physical and Health Impairments (4)
- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 464 - Assessment and Curricular Adaptations for Individuals with Physical, Health, and Multiple Disabilities (4)
- EDSP 561 - Essential and Functional Skills for Students with Physical, Health, and Multiple Disabilities (2)

### Electives (16-23 units)

Students will take a minimum of 16 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

#### **Comprehensive Examination/Thesis/Project ( 0-7 units)**

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)  
**and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

### **Transition Studies Option (47-54 units)**

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#### **Prerequisites (4 units)**

- EDSP 400 - Foundations of Special Education (4)

#### **MA Core Courses (8 units)**

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)  
**or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### **Required Courses (35 units)**

- COUN 449 - Job Development and Work Evaluation (4)
- COUN 450 - Counseling Theories (3)
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)
- EDSP 450 - Teaching Students with Mild to Severe Disabilities (4)
- EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- EDSP 579 - Developing Informal Assessment and ITP (4)
- EDSP 581 - Transition Planning for Secondary Students with Disabilities (4)
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 584 - Seminar in Moderate to Severe Disabilities (4)

#### **Electives (4-10 units)**

Students will take 4-10 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

#### **Comprehensive Examination/Thesis/Project ( 0-7 units)**

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)  
**and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

### **Visual Impairment and Blindness: Orientation and Mobility (O&M) Option (51 units)**

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#### **MA Core Courses (8 units)**

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)  
**or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

#### **Required Courses (43 units)**

- EDSP 400 - Foundations of Special Education (4)
- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)
- EDSP 475 - Orientation and Mobility for the Blind (6)
- EDSP 476A - Orientation and Mobility Instructional Seminar (1)
- EDSP 476B - Clinical Practice in Orientation and Mobility (4)
- EDSP 503 - Field Work in Special Education (3-6)
- EDSP 575A - Advanced Seminar in Orientation and Mobility (1)
- EDSP 575B - Advanced Clinical Practice in Orientation and Mobility (4)
- EDSP 576A - Orientation and Mobility: Seminar in Multiple Disabilities (2)
- EDSP 576B - Clinical Practice in Orientation and Mobility: Emphasis Multiple Disabilities (2)
- EDSP 598 - Graduate Directed Study (1-4)

#### **Electives (0 units)**

Students may take electives with advisor approval.

### **Comprehensive Examination/Thesis/Project ( 0-7 units)**

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)
- and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirement

## **Visual Impairment and Blindness: Teacher Preparation Option (45 units)**

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### **Prerequisites (4 units)**

- EDSP 400 - Foundations of Special Education (4)

### **MA Core Courses (8 units)**

- EDSP 500 - Research Methods in Special Education (4)
- EDSP 501 - Problems and Practices in Special Education (4)
- or**
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

### **Required Courses (21 units)**

- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)
- EDSP 566 - Advanced Braille Codes and Strategies for Learners with Visual Impairments (4)
- EDSP 568 - Functional Skills from the Expanded Core Curriculum for Students who are Blind or Visually Impaired (2)
- EDSP 567 - Specialized Instructional Strategies for Struggling Readers and English Language Learners Who are Visually Impaired (4)
- EDSP 569 - Specialized Technology for Individuals with Visual Impairments (4 units)

### **Electives (9-16 units)**

Students will take 9-16 units of advisor approved electives. Students are encouraged to develop an emphasis in consultation with their advisor.

### **Comprehensive Examination/Thesis/Project 0-7 units)**

- EDSP 596 - Comprehensive Examination (0) **or**
- EDSP 599A - Thesis or Project Planning (3)
- and**
- EDSP 599B - Thesis or Project (2) **and**
- EDSP 599C - Thesis or Project (2)

Students should expect to take the Comprehensive Examination (EDSP 596) the quarter after they complete all coursework on their program and must comply with college and division requirements.

## Doctor of Philosophy in Special Education

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A doctoral program in Special Education, offered jointly by the University of California, Los Angeles (UCLA) and California State University, Los Angeles (CSULA), combines the unique resources of the two institutions. The program is designed to prepare graduates for teacher education in special education or other leadership positions in the field. This program offers a focus on disability issues in special education, emphasizing teacher education, theory and pedagogy, and research. Graduates are prepared to assume university faculty positions in which they will conduct teacher education, research, and other scholarly pursuits related to special education and disabilities. This program offers a Ph.D. in special education, thus students are required to obtain both breadth and depth of knowledge in special education and may specialize in specific areas that include but are not limited to: early childhood education, learning disabilities, emotional disturbance, mental retardation, severe disabilities, physical and health impairment, gifted education, multicultural education, bilingual special education, visual impairment, and transition to adulthood.

The degree requires major work in special education, and breadth work in related areas as well as work in a cognate field outside of education. Advanced courses and research seminars supply technical backgrounds in the specialization in which students plan to do their dissertation. Practicum, field work, and/or internship assignments are planned on an individual basis.

### Admission to the Program

To be considered for admission, applicants must meet the following requirements:

Completion of a Master's degree in Special Education or a related field.

Acceptable minimum score on such examinations as may be specified by the Division of Special Education and Counseling joint doctoral program committee (currently a minimum of 1,000 combined verbal and quantitative scores on the Graduate Record Exam).

An upper division undergraduate grade point average of 3.0 and a minimum graduate grade point average of 3.5.

The potential to perform research as demonstrated in evidence submitted to the special education joint doctoral program committee.

At least three years' successful professional experience, such as teaching, with individuals with disabilities (if an exception is made at the time of admission, the requirement must be completed prior to advancement to candidacy).

Three letters of recommendation, two of which should be written by faculty from whom the student has taken graduate work.

Complete sufficient course work to merit recommendation for admission by at least two resident graduate faculty members and one professional field supervisor, or three resident faculty members from one or both campuses.

The program coordinator on the CSULA campus will assist in preparation of application materials. Applicants may be asked to participate in an oral interview as part of the screening process. Applicants will be considered for admission by a joint screening committee consisting of special education faculty from both CSULA and UCLA. Students are initially admitted to the CSULA campus. Upon recommendation of the CSULA special education joint doctoral program committee, students may make formal application to UCLA and be approved for admission to that campus to complete the program of study.

### Planning the Program

Upon admission to the program, students meet with an assigned CSULA adviser to plan their program of studies at the CSULA campus. At the time of transfer to the UCLA campus, a UCLA adviser is assigned to complete the program plan with UCLA course work. Course work is taken at both campuses. Course requirements include the following areas: depth and breadth in core content, research methods, research practicum, and cognate, or outside field of study. Specific courses in each of the required areas are determined by the candidate and the faculty advisers within approved program guidelines. Students' individual programs are based on the students' backgrounds and are designed to assure their competencies in the above areas.

The program is planned to provide a comprehensive understanding of the entire field of special education as well as an emphasis area. The program is designed to develop competence in statistics and research; provide an understanding of research relating to individuals with disabilities, strengthen background through study in a cognate area; and provide electives to complete a balanced program of study. The program is not built around specific unit requirements, but will be designed to ensure the candidate's competencies in the above areas.

### Residence Requirements

All doctoral candidates are required to engage in a minimum of one year of full-time residence on the UCLA campus. However, candidates are encouraged to engage in full-time residence throughout their entire doctoral program. The exact distribution of time on each campus will depend upon the individual program. Doctoral candidates must be enrolled in three of every four quarters unless on formal leave of absence.

Candidates are allowed a period of time not to exceed four years from the beginning of course work to advancement to candidacy, and four additional years from advancement to candidacy to completion of the dissertation.

## **Doctoral Written Qualifying Examination**

When the candidate has completed the course work recommended by the resident advisers, application is made for the written qualifying examination. The examination is written and scored by faculty at both campuses and follows the guidelines set forth by the UCLA Graduate School of Education. Students who fail this examination will be given a second opportunity to take the examination at the discretion of the student's CSULA and UCLA advisers, and a third opportunity upon majority vote of faculty from both campuses. No fourth sitting for the examination is permitted.

## **Doctoral Oral Qualifying Examination**

After the candidate has completed the written qualifying examinations successfully, a joint doctoral committee will be appointed by the deans of the graduate divisions of the two institutions. This committee will be composed of two approved faculty members from the UCLA Graduate School of Education, two from the Cal State L.A. Division of Special Education and Counseling, and one from the student's cognate area at UCLA. Additional committee members may be appointed at the student's or adviser's request. This committee will conduct an oral examination covering topics from both special education and the cognate discipline related to the candidate's research proposal, to determine the candidate's qualifications to conduct meaningful research in the field. This oral examination is open only to the committee and the student. Upon majority vote of the joint doctoral committee, the oral qualifying examination may be repeated once.

## **Advancement to Candidacy**

Candidates who have passed both written and oral qualifying examinations file an application for advancement to candidacy at both campuses. Thereafter, enrollment is required each quarter such course or courses as the student's committee chair may direct, until the dissertation is completed.

## **Dissertation**

The dissertation, required of every candidate for the Ph.D. degree, embodies the results of the candidate's independent investigation. It must contribute to the body of knowledge in the field and draw upon interrelations between education and the cognate discipline. The dissertation must be approved by the candidate's assigned joint doctoral committee and, after approval, copies must be filed in the libraries of both institutions. An abstract must be submitted to University Microfilms for publication in Dissertation Abstracts. Candidates should check with the committee chairperson regarding the need for additional copies of the dissertation.

## **Final Oral Examination**

Candidates must pass a final oral examination conducted by the assigned joint doctoral committee stressing the interrelation of the dissertation and existing knowledge in education and in the cognate field. The major emphasis of this examination is on defense of the dissertation. The final oral examination is open to faculty, students, and other interested researchers at the discretion of the dissertation chairperson and the student.

## **Advisement**

A faculty member on each campus is designated as resident doctoral adviser for all students intending to apply for admission to the Joint Doctoral Program. As soon as the decision is made to seek admission, applicants should consult with the joint doctoral program coordinator at the CSULA campus regarding application deadlines and formal procedures required for consideration for admission to the program.

The addresses and telephone numbers for the resident doctoral advisers are as follows:

California State University, Los Angeles  
Division of Special Education and Counseling  
5151 State University Drive  
Los Angeles, California 90032-8144  
King Hall C1064  
(323) 343-4400

University of California, Los Angeles  
Graduate School of Education  
405 Hilgard Avenue  
Los Angeles, California 90024  
(323) 825-8343

## Graduate Certificate Program in Applied Behavior Analysis in Educational Settings

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This postbaccalaureate credit certificate program is designed to prepare behavior analysts and provides practitioners, such as school psychologists, counselors, resource and program specialists, administrators, and others who work with students and teachers, the opportunity to develop specialized skills for designing, implementing and evaluating Applied Behavior Analysis programs in behavior management, motivation, consultation, and teaching. The certificate is awarded upon the completion of the following courses in counselor education (27 units) with a minimum B (3.0) average. Refer to the Graduate and Post Baccalaureate Study chapter of this catalog for general regulations governing all certificate programs.

### Requirements (27 units)

Admission to CSULA.

- COUN 489 - Behavior Management Using Reinforcement in Classrooms (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- COUN 593 - Practicum: Staff Development and Consultation (3)
- EDSP 586 - Educating Students with Autism (4)

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Applied Behavior Analysis in Educational Settings

**Occupations that this certificate program prepares students to enter:**

- School Psychologists; SOC Code 19-3031.01;

[www.onetonline.org/link/summary/19-3031.01](http://www.onetonline.org/link/summary/19-3031.01)

- Counseling Psychologists; SOC Code 19-3031.03;

[www.onetonline.org/link/summary/19-3031.03](http://www.onetonline.org/link/summary/19-3031.03)

-Educational, Guidance, School, and Vocational Counselors; SOC Code 21-1012;

[www.onetonline.org/link/summary/21-1012.00](http://www.onetonline.org/link/summary/21-1012.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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## Graduate Certificate Program in Autism

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This postbaccalaureate credit certificate program is designed to better prepare educators in establishing the unique behavioral and educational program often required for students with autism and other pervasive developmental disorders. New resources and technologies for supporting students with autism in school and community settings are being developed at a rapid rate. This program will provide students with substantive opportunity to acquire a depth of knowledge in the understanding of the needs of individuals with autism and the skills to address those needs.

### Requirements:

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- EDSP 586 - Educating Students with Autism (4)
- EDSP 587 - Teaching Functional Communication (4)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 503 - Field Work in Special Education (3–6)

### Note:

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Refer to Graduate and Post-Baccalaureate Studies: General Information for general regulations governing all certificate programs.

### U.S. Department of Education Gainful Employment Disclosure

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**Program:** Autism

**Occupations that this certificate program prepares students to enter:**

-Special Education Teachers; SOC Code 25-2050;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00)

**On-time graduation rate for students completing this program:**

100%

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

Title IV loans: \$0.00

**Other educational dept (private educational loans and institutional financing):**

\$0.00

**The job placement rate for students completing the program:**

Data not available.

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## Graduate Certificate Program in Career Counseling

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This postbaccalaureate credit certificate program provides postbaccalaureate students the competencies needed to succeed in the field of career counseling. Students will acquire competencies in the areas of: job development, integrated life planning, lifestyle and career development theory, career counseling, occupational information, community resources, assessment, cross-cultural counseling, and career counseling for special populations.

This certificate program requires the student to be in a graduate counseling program or to have already completed such a program. The student must have an adviser for this certificate program; course substitutions may be permitted only with adviser approval. Professional standards in the field require that candidates possess a Master's Degree in Counseling for employment.

The certificate requires evidence of completion of 11 units of prerequisites and 32 required units, with a minimum B (3.0) average. Refer to Graduate and Post-Baccalaureate Studies: General Information for general regulations governing all certificate programs.

### Requirements (43 units)

#### Prerequisites (11 units)

- COUN 428 - Measurement Issues in Counseling (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)

#### Required Courses (32 units)

- COUN 448 - Career Counseling for Adults (4)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 510 - Counseling Students in Higher Education (4)
- COUN 516 - Group Counseling (4)
- COUN 587 - Seminar: Higher Education Counseling (4)
- COUN 588C - Supervised Practice in Rehabilitation/Career Counseling (3-5)
- SOC 447 - Work and the Workplace (4)

#### U.S. Department of Education Gainful Employment Disclosure

**Program:** Career Counseling

**Occupations that this certificate program prepares students to enter:**

- Career (Vocational) Counselor; SOC Code 21-1012;

[www.onetonline.org/link/summary/21-1012.00](http://www.onetonline.org/link/summary/21-1012.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (six quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$11,152

Books and Supplies: \$3,276

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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# Early Childhood Special Education: Infancy Emphasis Certificate

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## Early Childhood Special Education University Certificates

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**Note:** *This is not the add-on Early Childhood Special Education Certificate authorized by the California Commission on Teacher Credentialing. These certificate programs are approved only by CSULA.*

These postbaccalaureate credit certificate programs are designed for professional persons who already hold a credential and/or master's degree, but who are seeking the professional preparation that is related to working in school, agency, or home settings with infants or young children with exceptional needs. One area of emphasis provides professional preparation for working with infants and their families; the other emphasis is for working with children three to five years of age and their families.

Completion of this credit certificate program requires 30 units of course work with a minimum B (3.0) grade point average. Refer to the Graduate and Post-Baccalaureate Studies: General Information section for general regulations governing all certificate programs.

### Prerequisites:

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- Bachelor's degree in Child Development or related field. Experience with infants and young children, ages birth to three.
- EDSP 400.
- Minimum 2.75 undergraduate grade point average in last 90 quarter units attempted.

### Required Courses (27 units)

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- CHDV 507 - Risk and Resiliency in Development (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 514 - Assessment of Infants and Young Children with Special Needs (4)
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- EDSP 503 - Field Work in Special Education (3-6)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)
- EDSP 516 - Medical and Behavioral Characteristics of Young Infants with Special Needs (4)

### U.S. Department of Education Gainful Employment Disclosure

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**Program:** Early childhood Special Education - Infancy Emphasis

**Occupations that this certificate program prepares students to enter:**

-Special Education Teachers, Preschool; SOC Code 25-2051;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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# Early Childhood Special Education: Preschool Emphasis Certificate

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## Early Childhood Special Education University Certificates

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**Note: This is not the add-on Early Childhood Special Education Certificate authorized by the California Commission on Teacher Credentialing. These certificate programs are approved only by CSULA.**

These postbaccalaureate credit certificate programs are designed for professional persons who already hold a credential and/or master's degree, but who are seeking the professional preparation that is related to working in school, agency, or home settings with infants or young children with exceptional needs. One area of emphasis provides professional preparation for working with infants and their families; the other emphasis is for working with children three to five years of age and their families.

Completion of this credit certificate program requires 30 units of course work with a minimum B (3.0) grade point average. Refer to the Graduate and Post-Baccalaureate Studies: General Information section for general regulations governing all certificate programs.

### Prerequisites:

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- Bachelor's degree in Child Development or related field.
- Multiple Subject or Special Education credential.
- EDSP 400.
- Minimum 2.75 undergraduate grade point average in last 90 quarter units attempted.

### Required Courses (27 Units)

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- EDEL 461 - Curriculum Procedures and Materials for Early Childhood Education (4)
- ULRN 462 - The Role of Play in Learning (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- EDSP 503 - Field Work in Special Education (3-6)
- EDSP 514 - Assessment of Infants and Young Children with Special Needs (4)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)

### U.S. Department of Education Gainful Employment Disclosure

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**Program:** Early Childhood Special Education – Preschool Emphasis

**Occupations that this certificate program prepares students to enter:**

-Special Education Teachers, Preschool; SOC Code 25-2051;

[www.onetonline.org/link/summary/25-2041.00](http://www.onetonline.org/link/summary/25-2041.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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## Early Childhood Special Education: Transition Specialist Certificate

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This is a collaborative certificate program between special education and rehabilitation counseling to train teachers and counselors to become transition specialists assisting individuals with disabilities to prepare for interdependent adult lives in an integrated community.

### Early Childhood Special Education University Certificates

**Note: This is not the add-on Early Childhood Special Education Certificate authorized by the California Commission on Teacher Credentialing. These certificate programs are approved only by CSULA.**

These postbaccalaureate credit certificate programs are designed for professional persons who already hold a credential and/or master's degree, but who are seeking the professional preparation that is related to working in school, agency, or home settings with infants or young children with exceptional needs. One area of emphasis provides professional preparation for working with infants and their families; the other emphasis is for working with children

three to five years of age and their families.

Completion of this credit certificate program requires 30 units of course work with a minimum B (3.0) grade point average. Refer to the Graduate and Post-Baccalaureate Studies: General Information section for general regulations governing all certificate programs.

### Required Courses (20-21 units)

- EDSP 579 - Developing Informal Assessment and ITP (4)
- COUN 450 - Counseling Theories (3)
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 584 - Seminar in Moderate to Severe Disabilities (4)
  
- EDSP 503 - Field Work in Special Education (3–6) (6 units)
- **or**
- COUN 588 - Supervised Practice in Rehabilitation Counseling (3–10) (5 units)

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Transition Specialist–Administration & Counseling

**Occupations that this certificate program prepares students to enter:**

-Rehabilitation Counselors; SOC Code 21-1015;

[www.onetonline.org/link/summary/21-1015.00](http://www.onetonline.org/link/summary/21-1015.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (two quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$3,717

Books and Supplies: \$1,092

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

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## Education Specialist Credential Programs

California credential programs, approved by the commission on teacher credentialing (CTC), authorize the granting of special education credentials as "basic" credentials rather than as an addition to the multiple or single subject credential. The approved program at California State University, Los Angeles (CSULA) includes the following programs:

- Intern Credentials in Special Education
- Preliminary Education Specialist Credentials
- Clear (Induction) Education Specialist Credentials
- Added authorizations (see advisor for complete listing of approved added authorizations offered)
- Specialist Program combined with a Master of Arts Degree in Special Education

**Standards for the English language authorization are embedded in the preliminary education specialist programs and are approved by the CTC for the following authorization:**

The credential completed under these requirements will authorize the holder to provide the following services to English learners: (1) instruction for English language development; and (2) specially designed content instruction delivered in English.

**All education specialist credential program options address the continuum of service delivery:**

The continuum includes: general education settings; resource rooms or services; special education settings; special schools; home/hospital settings; correctional facilities; non-public, non-sectarian schools and agencies as defined in education code sections 56365 and 56366; and alternative and non-traditional instructional public school settings other than classrooms.

The following material provides general credential information. Students must also attend a group advisement session, read the advisement material of the Division of Special Education and Counseling and consult with an faculty adviser.

**NOTE:** Candidates are responsible for examinations required for the credential by the state of California (e.g., CBEST, CSET, RICA) and should review the CTC website at [www.ctc.ca.gov](http://www.ctc.ca.gov) for current requirements or consult with an advisor for current policies.

## Education Specialist Credential Program Areas

*Early Childhood Special Education: (ECSE):*

### **Authorization**

The Education Specialist Instruction Credential: Early Childhood Special Education authorizes the holder to conduct assessments, provide instruction, and special education related services to children from birth through pre-kindergarten, with a primary disability of specific learning disabilities, mild/moderate mental retardation, traumatic brain injury, other health impairment, autism spectrum disorders, moderate/severe mental retardation, deaf-blindness, serious emotional disturbance, and multiple disabilities in services across the continuum of program options available.

*Mild/Moderate Disabilities: (MM):*

### **Authorization**

The Education Specialist Instruction Credential: Mild/Moderate Disabilities authorizes the holder to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of specific learning disabilities, mild/moderate mental retardation, other health impairment, emotional disturbance, and autism spectrum disorders within the disability area, in kindergarten, grades 1 through 12, and classes organized primarily for adults in services across the continuum of program options available.

*Moderate/severe Disabilities: (MS):*

### **Authorization**

The Education Specialist Instruction Credential: Moderate/Severe Disabilities authorizes the holder to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of autism, moderate/severe mental retardation, deaf-blind, emotional disturbance, and multiple disabilities, in kindergarten, grades 1 through 12 to age 22, and classes organized primarily for adults in services across the continuum of program options available.

*Physical and Health Impairments: (PHI):*

### **Authorization**

The Education Specialist Instruction Credential: Physical and Health Impairments authorizes the holder to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of orthopedic impairment, other health impairment, multiple disabilities, traumatic brain injury, and autism spectrum disorders within the disability area, from birth through to age 22, and classes organized primarily for adults in services across the continuum of program options available.

*Visual Impairments and Blindness: (VI):*

### **Authorization**

The Education Specialist Instruction Credential: Visual Impairments authorizes the holder to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of visual impairment including blind, deaf-blind, and autism spectrum disorders within the disability area, from birth through age 22, and classes organized primarily for adults in services across the continuum of program options available.

### **The Division of Special Education and Counseling also offers:**

The Clinical Rehabilitative Services Credential:

*Orientation and Mobility for the Blind:* The Clinical Rehabilitative Services Credential: Orientation and Mobility (O&M) Provides blind, visually impaired and deaf-blind individuals with age-appropriate, hands-on experiences in natural travel settings to assist in the development of a meaningful conceptual understanding of home, school and community environment. the orientation and mobility (O&M) services credential authorizes the holder to provide services to students to allow them to learn how to navigate their environment and become independent travelers. The training prepares individuals to work with children birth — 22 years and adults who have visual impairments and blindness, including individuals with additional disabilities.

## **Admission to Credential Programs**

All students who plan to enter a program for one of the Education Specialist credentials must apply for admission to the university and the Charter College of Education Credential Program. Students in upper division standing at CSULA are eligible to apply and enter the program. Credential candidates must attend a group advisement session prior to admission to the program. (Students apply directly to the Orientation & Mobility program for admissions to the Clinical Rehabilitative Services Credential and MA degree program).

### **Conditional Admission Requirements for Education Specialist Credential Programs**

Admission requirements are based on Title 5, California Code of Regulations, University regulations, and Charter College of Education (CCOE) policies. Requirements for conditional admission to The Education Specialist Credential programs include the following:

- Application to the California State University, Los Angeles (CSULA)
- Minimum 2.75 GPA in the last 90 quarter units or 60 semester units
- CCOE application for admission
- Official transcripts
- Strong and supportive letters of recommendation
- A well written and meaningful philosophy of education statement
- Verification of negative TB test taken within one year before completion of directed teaching by a personal physician or at CSULA Health Center.
- Background clearance from the California commission on teacher credentialing (CCTC) Proof of completion or attempt of Basic Skills Requirement (BSR) through one of the following:
  - Proof of attempt of all three sections of the CBEST
  - Passing scores from the CSET: writing skills test
  - Program (EAP), English and Math, or CSU English placement (EPT) and entry level mathematics (ELM) test
  - Proof of passage of CTC approved out-of-state basic skills exam
  - Completion of other required CTC exams and procedures as applicable

Eligible applicants are initially admitted to the charter college of education with conditions, but in order to continue in the education specialist credential program, they must satisfy the following criteria.

- Completion of EDSP 300 or equivalent, (with verification of completion of 45 hours of early field experience, signed and approved by the instructor) or holding a valid California Teaching/Service credential
- Completion of successful oral interview and program planning sheet for each credential objective.
- Interview with and recommendation for admission to the teaching credential by the admission committee (if applicable)
- Verification of speech proficiency as demonstrated through one of the following:
  - A grade of C or better in COMM 150 or an equivalent public speaking course
  - Demonstration of competence in COMM 151– Speech Proficiency for Teachers
- Verification of writing proficiency through one of the following:

- Successful completion of UNIV 400 or UNIV 401
- Graduate students may meet this requirement with a score of 41 or higher on the writing section of the CBEST and must show their original CBEST scores to the staff in the office of student services for verification
- Acceptable alternative by petition

*NOTE: Students in Early Childhood Special Education must have an undergraduate degree in Child Development or equivalent and experience with children under the age of five (as determined by faculty adviser).*

## Admission Requirements for Intern Credential Programs

- Bachelor's degree from an accredited college or university.
- Admission to the Education Specialist Credential program.
- Completion of Basic Skills Requirement (BSR).
- Pass UNIV 400, the Writing Proficiency Examination (WPE), a score of 41 or better on the writing section of the CBEST examination, or acceptable alternative by petition.
- Verification of completion of POLS 150, equivalent course, approved US Constitution exam.
- Verification of completion of COMM 150 or equivalent.
- Employment or offer of employment by a school district with a partnership agreement with CSULA.
- Interview with and recommendation for admission by Division of Special Education and Counseling intern advisor.
- Subject matter competency as demonstrated by an approved B.A. degree program or by CTC approved examination (E.G. CSET) and successful completion of EDSP 300 and EDSP 400 or valid preliminary or clear Multiple Subjects or Single Subjects Credential. Note: early childhood special education (ECSE) candidates are not required to take a subject matter examination; ECSE candidates demonstrate subject matter competency through completion of a child development undergraduate major or equivalent and must complete EDSP 300 and EDSP 400.
- Application to the CTC (through the Charter College of Education office of Student Services) for the intern credential.

## Directed Teaching Information

Directed Teaching, which includes both early directed teaching and final directed teaching, is one of the most important phases of teacher education at CSULA. Candidates are not automatically admitted to early or final directed teaching by completion of course work alone; they must fulfill the following criteria:

- Admission to the Education Specialist Credential program.
- Application for directed teaching by posted application deadline (Wednesday of second week of quarter preceding the assignment).
- Attendance at scheduled Special Education Directed Teaching Orientation meeting during quarter preceding the assignment.
- Subject matter competency as outlined by the CTC [i.e., demonstrated by an approved B.A. degree program or by CTC approved examination (e.g. CSET)]. *NOTE: Enrollment priority for early fieldwork completed in EDSP 407 and EDSP 489 is given to students who demonstrate subject matter competency by undergraduate waiver program or exam. NOTE: Early Childhood Special Education (ECSE) candidates are not required to take a subject matter examination; ECSE candidates demonstrate subject matter competency through completion of a Child Development Undergraduate major or equivalent.*
- A minimum B (3.0) grade point average and grades of C or higher are required in all professional education courses.
- Verification of completion of basic skills requirement.
- Verification of negative TB test taken within one year before completion of directed teaching by a personal physician or at CSULA Health Center.

Students who meet all of the above criteria and who have completed the prerequisite course work will be approved for directed teaching.

## Final Directed Teaching

In addition to the above requirements, enrollment in EDSP 489 - Demonstration of Instructional Competencies final directed teaching requires a positive recommendation from the university supervisor from early fieldwork and approval of the credential advisor or the division chair. candidates must also meet all residency requirements. because of the amount of time and work required for final directed teaching, students must restrict the number of additional units in their program (maximum of 4 units) and curtail their out-of-school workload for the duration of such assignments.

Candidates who receive a grade of "SP" in Early Fieldwork (EDSP 407/489 5-6 units) must enroll in EDSP 407 (12 units) for final directed teaching. Candidates who receive a grade of "NC" in early or final fieldwork (EDSP 407/489 5-6 OR 12 units – including the learning center) will be required to repeat the experience. Candidates who repeat the early or final fieldwork experience and receive a second grade of "NC" will be exited from the Education Specialist Credential Program.

*NOTE: Passage of the Reading Instruction Competence Assessment (RICA) is a requirement for all Education Specialist Credentials (except ECSE)*



and must be completed prior to application for the credential.

## Education Specialist Credentials

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Each credential area has core and specialization requirements (including fieldwork) designed specific to the area. For individuals already possessing a valid California teaching credential, please see individual advisors for program requirements.

### Early Childhood Special Education

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Additional admission/prerequisite requirements:

- B.A. degree in Child Development or related field.
- Experience with young children under five years of age.

(Prerequisite courses may be taken as part of the program if approved by the program coordinator. Criteria for approval are based on evaluation of previous coursework and professional experience in Early Childhood programs.)

#### Preliminary (64 units)

##### Core Requirements (14 units)

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- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 412 - State Standards and the Individualized Education Program (2)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)

##### Specialization Requirements (50 units)

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- EDSP 403 - Special Education Laboratory (1–5) \*
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education (4)
- EDSP 485 - Emergent Literacy: Curriculum and Accommodations for Young Children with Disabilities (4)
- EDSP 514 - Assessment of Infants and Young Children with Special Needs (4)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)
- EDSP 516 - Medical and Behavioral Characteristics of Young Infants with Special Needs (4)
- EDSP 517 - Advanced Issues in Early Childhood Special Education (4)
- EDSP 570A - Low Incidence Early Childhood Special Education (2)
- EDSP 570B - Low Incidence Early Childhood Special Education (2)
- EDSP 586 - Educating Students with Autism (4)
- EDSP 407 - Directed Teaching in Special Education (3–12) \*\*
- EDSP 489 - Demonstration of Instructional Competencies (3–12) \*\*

#### Notes:

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\* This course is a prerequisite for EDSP 515 and 516

\*\*These two practica may be done in a candidate's own work setting with approval from credential advisor.

#### Clear Credential (14 - 18 units)

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The induction program incorporates a purposeful, logically sequenced structure of extended preparation and professional development that enhances the participant's teaching abilities. The program reflects inquiry based methodology and reflective practices, which are embedded in the following requirements.

##### 1. Introductory Seminar (2 units)

EDSP 595A - Seminar: Development of Induction Plan (2 units)

The Individualized Induction Plan (IIP) is developed collaboratively with employer designee and preparation program designee. A formative assessment system is established.

##### 2. Additional Coursework (10 — 14 units)

Completion of coursework described in IIP. Candidates may select from coursework that will expand skills, lead to added authorizations, or lead to an advanced degree of study.

##### 3. Professional development activities to be completed as designed in the IIP.

##### 4. Culminating Seminar (2 units)

EDSP 595B - Seminar: Assessment of Induction Plan (2 units)

Culmination of formative assessment process in which standards and evidence of practice are presented and evaluated by IIP team.

## Mild/Moderate Disabilities

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#### Preliminary Credential (61-62 units)

## Core Requirements (33-34 units)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)  
or
- EDEL 415 S - Spanish (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)  
or
- EDEL 417S - Spanish (4)
- EDIT 510 - Using Educational and Assistive Technology (2)
- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDSP 412 - State Standards and the Individualized Education Program (2)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 407 - Directed Teaching in Special Education (3–12)  
or
- EDSP 489 - Demonstration of Instructional Competencies (3–12)

## Specialization Requirements (28 units)

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- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 557 - Teaching Foundational Literacy Skills to Students with Mild/Moderate Disabilities (4)
- EDSP 558 - Teaching Comprehension and Written Language to Students with Mild/Moderate Disabilities (4) (4 units)
- EDSP 407 - Directed Teaching in Special Education (3–12)  
or
- EDSP 489 - Demonstration of Instructional Competencies (3–12)

## Clear Credential (14 - 18 units)

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The induction program incorporates a purposeful, logically sequenced structure of extended preparation and professional development that enhances the participant's teaching abilities. The program reflects inquiry based methodology and reflective practices, which are embedded in the following requirements.

### 1. Introductory Seminar (2 units)

EDSP 595A - Seminar: Development of Induction Plan (2 units)

The Individualized Induction Plan (IIP) is developed collaboratively with employer designee and preparation program designee. A formative assessment system is established.

### 2. Additional Coursework (10 — 14 units)

Completion of coursework described in IIP. Candidates may select from coursework that will expand skills, lead to added authorizations, or lead to an advanced degree of study.

### 3. Professional development activities to be completed as designed in the IIP.

### 4. Culminating Seminar (2 units)

EDSP 595B - Seminar: Assessment of Induction Plan (2 units)

Culmination of formative assessment process in which standards and evidence of practice are presented and evaluated by IIP team.

## Moderate/Severe Disabilities

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### Preliminary Credential (65-66 units)

#### Core Requirements (33-34 units)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)  
or
- EDEL 415 S - Spanish (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)  
or
- EDEL 417S - Spanish (4)
- EDIT 510 - Using Educational and Assistive Technology (2)
- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 407 - Directed Teaching in Special Education (3–12)

- or
- EDSP 489 - Demonstration of Instructional Competencies (3–12)

#### Specialization Requirements (32 units)

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- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)
- EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education (4)
- or
- EDSP 587 - Teaching Functional Communication (4)
- EDSP 481 - Building Partnerships In Special Education through Life-Long Transition (4)
- EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities (4)
- EDSP 582 - Advanced Instructional Interventions for Individuals with Moderate to Severe Disabilities (4)
- EDSP 407 - Directed Teaching in Special Education (3–12) (12)
- or
- EDSP 489 - Demonstration of Instructional Competencies (3–12) (12)

#### Clear Credential (14 - 18 units)

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The induction program incorporates a purposeful, logically sequenced structure of extended preparation and professional development that enhances the participant's teaching abilities. The program reflects inquiry based methodology and reflective practices, which are embedded in the following requirements.

##### 1. Introductory Seminar (2 units)

EDSP 595A - Seminar: Development of Induction Plan (2 units)

The Individualized Induction Plan (IIP) is developed collaboratively with employer designee and preparation program designee. A formative assessment system is established.

##### 2. Additional Coursework (10 — 14 units)

Completion of coursework described in IIP. Candidates may select from coursework that will expand skills, lead to added authorizations, or lead to an advanced degree of study.

##### 3. Professional development activities to be completed as designed in the IIP.

##### 4. Culminating Seminar (2 units)

EDSP 595B - Seminar: Assessment of Induction Plan (2 units)

Culmination of formative assessment process in which standards and evidence of practice are presented and evaluated by IIP team.

### Physical and Health Impairments

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#### Preliminary Credential (63-64 units)

##### Core Requirements (29-30 units)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- or
- EDEL 415 S - Spanish (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDEL 417S - Spanish (4)
- EDIT 510 - Using Educational and Assistive Technology (2)
- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDSP 412 - State Standards and the Individualized Education Program (2)
- EDSP 407 - Directed Teaching in Special Education (3–12)
- or
- EDSP 489 - Demonstration of Instructional Competencies (3–12)

##### Specialization Requirements (34 units)

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- EDSP 460 - Implications of Physical and Health Impairments (4)
- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education (4)
- EDSP 464 - Assessment and Curricular Adaptations for Individuals with Physical, Health, and Multiple Disabilities (4)
- EDSP 561 - Essential and Functional Skills for Students with Physical, Health, and Multiple Disabilities (2)
- EDSP 570A - Low Incidence Early Childhood Special Education (2)
- EDSP 570B - Low Incidence Early Childhood Special Education (2)
- EDSP 407 - Directed Teaching in Special Education (3–12) (12)
- or
- EDSP 489 - Demonstration of Instructional Competencies (3–12) (12)

## Clear Credential (14 -18 units)

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The induction program incorporates a purposeful, logically sequenced structure of extended preparation and professional development that enhances the participant's teaching abilities. The program reflects inquiry based methodology and reflective practices, which are embedded in the following requirements.

### 1. Introductory Seminar (2 units)

EDSP 595A - Seminar: Development of Induction Plan (2 units)

The Individualized Induction Plan (IIP) is developed collaboratively with employer designee and preparation program designee. A formative assessment system is established.

### 2. Additional Coursework (10 — 14 units)

Completion of coursework described in IIP. Candidates may select from coursework that will expand skills, lead to added authorizations, or lead to an advanced degree of study.

### 3. Professional development activities to be completed as designed in the IIP.

### 4. Culminating Seminar (2 units)

EDSP 595B - Seminar: Assessment of Induction Plan (2 units)

Culmination of formative assessment process in which standards and evidence of practice are presented and evaluated by IIP team.

## Visual Impairments

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### Preliminary Credential (62-63 units)

Core Requirements (25-26 units)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)  
or
- EDEL 415 S - Spanish (4)
  
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)  
or
- EDEL 417S - Spanish (4)
  
- EDSP 400 - Foundations of Special Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
  
- EDSP 407 - Directed Teaching in Special Education (3–12) (5-6)  
or
- EDSP 489 - Demonstration of Instructional Competencies (3–12) (5-6)

### Specialization Requirements (37 units)

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- EDEL 465 - Directed Teaching: Preschool (12)
- EDSP 465L - Functional Low Vision Assessment (1)
- EDSP 466 - Literary Braille and Strategies for Learners with Visual Impairments (4)
- EDSP 466L - Learning Media Assessment for Students with Visual Impairments Laboratory (1)
- EDSP 468 - Working with Students who are Visually Impaired and who have Additional Disabilities (2)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)
- EDSP 566 - Advanced Braille Codes and Strategies for Learners with Visual Impairments (4)
- EDSP 568 - Functional Skills from the Expanded Core Curriculum for Students who are Blind or Visually Impaired (2)
- EDSP 570A - Low Incidence Early Childhood Special Education (2)
- EDSP 570B - Low Incidence Early Childhood Special Education (2)
  
- EDSP 407 - Directed Teaching in Special Education (3–12) (12)  
or
- EDSP 489 - Demonstration of Instructional Competencies (3–12) (12)

## Clear Credential (14 -18 units)

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The induction program incorporates a purposeful, logically sequenced structure of extended preparation and professional development that enhances the participant's teaching abilities. The program reflects inquiry based methodology and reflective practices, which are embedded in the following requirements.

### 1. Introductory Seminar (2 units)

EDSP 595A - Seminar: Development of Induction Plan (2 units)

The Individualized Induction Plan (IIP) is developed collaboratively with employer designee and preparation program designee. A formative assessment system is established.

### 2. Specialization Coursework (8 units)

Because of the low incidence and specialized nature of working with students with visual impairments, two advanced preparation courses will be part of the coursework for all students wishing to clear the credential in visual impairments. These advanced specialization courses will meet standards 5 and 6 for the clear credential.

EDSP 567 - Specialized Instructional Strategies for Struggling Readers and English Language Learners Who are Visually Impaired

EDSP 569 - Specialized Technology for Individuals with Visual Impairments

### **3. Additional Coursework (2 — 6 units)**

Additional coursework (2 – 6 units) completion of coursework described in IIP. The remaining coursework and/or professional development activities will be individualized to meet candidate needs. Candidates select an additional 2-6 units of coursework to further expand skills, prepare to qualify for added authorizations, or lead to an advanced degree of study.

### **4. Professional development activities to be completed as designed in the IIP.**

### **5. Culminating Seminar (2 units)**

EDSP 595B - Seminar: Assessment of Induction Plan (2 units)

Culmination of formative assessment process in which standards and evidence of practice are presented and evaluated by IIP team.

## **Requirements for Eligibility for the Education Specialist Intern Credential**

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(The Education Specialist Intern Credential is issued for a maximum of 2 years)

### **Option 1**

Candidates who have completed the requirements for a Preliminary or Professional Multiple Subject or Single Subject credential (who have met the admission requirements listed above) may apply for an Education Specialist Intern credential.

### **Option II**

This option is restricted to individuals who are in cohort groups where instruction in the required courses is modified to emphasize the beginning skills that are needed by new teachers and where additional support can be provided to the intern. In this option, EDSP 300 and EDSP 400 are prerequisites for formal admission to the program and for recommendation for the intern credential.

#### **Note 1.**

*All intern credential students, upon completion of prerequisite courses in either Options I or II should follow the recommended course sequence. Please find a sample sequence of required courses for intern candidates in the Education Specialist Credential Programs at: [www.calstatela.edu/spedcredseq](http://www.calstatela.edu/spedcredseq). The course sequence outlines how the Level I Education Specialist Credential can be completed in two years.*

## **Education Specialist Minor courses for Education Specialist Intern Credential - Urban Learning major (46 units)**

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Completion of this minor qualifies students to be eligible for an intern credential with verification of employment from a cooperating school district. For a Preliminary Education Specialist Credential, students must complete additional credential course work in their area of specialization (i.e., mild/moderate disabilities, moderate/severe disabilities, physical and health impairments or visual impairments).

Students must consult a Special Education Credential advisor for specific program requirements.

### **Required Core Coursework (38 units)**

- EDSP 300 - Introduction to Special Education (4) \*  
(\*See catalog, Special Education Specialist, for prerequisites.)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- EDSP 400 - Foundations of Special Education (4)
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 407 - Directed Teaching in Special Education (3–12) (5)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDIT 430 - Information Technologies in the Classroom (4)

### **Additional Intern Emphasis Requirement**

#### **Specialization (8 units)**

With approval of a Special Education Credential advisor, complete 8 units of appropriate course work in area of specialization.

#### **Mild/Moderate Disabilities**

EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs

EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities

#### **Moderate/Severe Disabilities**

EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs

EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities

**Physical and Health Impairments**

EDSP 460 - Implications of Physical and Health Impairments

EDSP 462 - Understanding Physical, Health, and Multiple Disabilities

**Visual Impairments**

EDSP 465 - Medical Aspects of Visual Impairments

EDSP 465L - Functional Low Vision Assessment

EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness

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## The Clinical Rehabilitative Services Credential: Orientation and Mobility (Visual Impairment and Blindness)

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**Note:**

*Note: This service credential program is a Professional Clear Credential and does not utilize the core requirements of the Education Specialist teaching credentials. The basic skills requirement must be met (e.g., CBEST), but the subject matter (e.g. CSET EXAM) and RICA are not required.*

**Core Requirements (12 units)**

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- EDSP 400 - Foundations of Special Education (4)
- EDSP 500 - Research Methods in Special Education (4)
  
- EDSP 501 - Problems and Practices in Special Education (4)
- or
- EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students (4)

**Specialization Requirements (38 units)**

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- EDSP 406 - Observation in Orientation and Mobility (1) (2)
- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)
- EDSP 475 - Orientation and Mobility for the Blind (6)
- EDSP 476A - Orientation and Mobility Instructional Seminar (1)
- EDSP 476B - Clinical Practice in Orientation and Mobility (4)
- EDSP 503 - Field Work in Special Education (3–6) (9)
- EDSP 575A - Advanced Seminar in Orientation and Mobility (1)
- EDSP 575B - Advanced Clinical Practice in Orientation and Mobility (4)
- EDSP 576A - Orientation and Mobility: Seminar in Multiple Disabilities (2)
- EDSP 576B - Clinical Practice in Orientation and Mobility: Emphasis Multiple Disabilities (2)

**Note:**

*Candidates must earn a grade of “B” or better in each fieldwork class (e.g., EDSP 476B, EDSP 575B and EDSP 503). Along with meeting all other requirements, candidates must earn a grade of “B” or better in a fieldwork experience with school-age students in order to be recommended for the Clinical Rehabilitative Services Credential in O&M. Candidates who receive a grade of “C” or less in any O&M fieldwork class must complete a written plan for improvement with a faculty advisor and repeat the fieldwork course. Candidates who receive a second grade of “C” in any subsequent fieldwork class will be exited from the credential and master’s degree program.*

# Pupil Personnel Services Credential

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## Advanced Specializations in School Counseling and Child Welfare and Attendance Services

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The School Counseling program offers three areas of emphasis, each of which combines the Pupil Personnel Services credential (with Advanced Authorizations in School Counseling and Child Welfare and Attendance Services) with an option of the M.S. Degree in Counseling. These areas of emphasis are designated as follows:

- Behavior Intervention Case Management: Combines the credential with the M.S. Degree in Counseling: Option in Applied Behavior Analysis;
- School-Based Family Counseling: Combines the credential with M.S. Degree in Counseling: Option in Marriage and Family Counseling.
- School Counseling Leadership: Combines the credential with the M.S. Degree in Counseling: Option in School Counseling Leadership; and includes the Preliminary Administrative Services Credential as well.

For details on course requirements, see the listings for these combinations under the respective options of the degree, as described earlier.

The program does not routinely offer the credential separately from the masters degree because most career opportunities require the degree. Candidates who already have a Master of Science Degree in Counseling and wish to earn this credential without the accompanying degree should inquire at the Division office about current policy regarding such candidacy, which is based upon available resources and space in required courses.

If resources allow, the requirements for the Pupil Personnel Services credential with Advanced Specializations in School and Child Welfare and Attendance Services, without the master's degree, involve the completion of the following program with grades of A or B in all courses.

### Prerequisites (11 units)

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Demonstrated proficiency in statistics, introductory counseling theories and children with special needs. May be met by courses EDFN 452, COUN 450 and EDSP 400 respectively, or other current or prior course work with adviser approval.

### Required Courses (61–87 units)

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- COUN 400A - Lifespan Human Development (4)  
and
- COUN 400B - Lifespan Human Development (4)
- or
- COUN 500A - Theoretical and Developmental Aspects of Behavior (4)  
and
- COUN 500B - Theoretical and Developmental Aspects of Behavior (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 428 - Measurement Issues in Counseling (4)
- COUN 460 - Laws Relating to the Child and Family (4)  
or
- EDAD 530 - Leadership in School Law (4)
- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- COUN 505 - Practicum: Counseling (3)
- COUN 506 - Individual Counseling Strategies (4)
- COUN 516 - Group Counseling (4)
- COUN 517 - Group Counseling: Practicum (3)  
or
- COUN 523 - Family Counseling Laboratory (3)
- COUN 557 - Career Education and Guidance in Schools (4)
- COUN 581 - Seminar: Leadership in Pupil Personnel Services (4)
- COUN 586S - School Counseling (2–10)
- COUN 586W - Child Welfare and Attendance (2–10)

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#### Note:

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Residency Requirement: Students must complete 18 units at Cal State LA within the required courses for the credential. All courses fulfilling the required program for credential must be completed within 8 years of applying for the credential.

All courses are competency based. Students who fail to meet all course competencies receive less than a B grade. Deficiencies must be cleared in order to obtain a "Letter of Competency" for the affected course. In addition to demonstrating competency in course work and internship, students are required to pass the California Basic Educational Skills Test (CBEST) and either pass an oral examination covering the School Counseling competencies or complete requirements for the Master's degree in Counseling.

## Advanced Specializations in School Psychology and Child Welfare and Attendance Services

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Course requirements for this credential are identical with those listed above for the M.S. in Counseling: Option in School Psychology except that an oral exit examination may be substituted for the comprehensive examination.

## Internship Credential in School Counseling and Child Welfare and Attendance Services

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This internship credential allows a student to accept employment as a school counseling intern while completing advanced coursework toward the pupil personnel services credential with advanced authorizations in school counseling and child welfare and attendance.

To be admitted into the school counseling internship credential program, students must:

1. Meet all University, college and division admission requirements.
2. Be admitted to one of the M.S. options leading to the Pupil Personnel Services credential (PPS); Behavior Intervention Case Management (BICM), Counseling and Educational Leadership (CEL) or School-Based Family Counseling (SBFC).
3. Obtain a school district letter of appointment as a school counselor or child welfare and attendance counselor (to be employed at least 50%).
4. Assure that a written formal "Internship Agreement" between the school district and Cal State LA is on file with both agencies.
5. Have the California Basic Educational Skills Test (CBEST) and the Writing Proficiency Examination (WPE) or approved alternate criteria for the WPE.
6. Sign a written agreement to make regular progress while serving as an intern, toward fulfilling all requirements for the counseling credential (PPS) and Child Welfare and Attendance authorization (CWA).
7. Must have completed with a grade of B or better a minimum of 19 units in the following classes: COUN 400A, COUN 501, 503, 505, and 506.
8. Must have completed 6 units of practicum in the following classes: COUN 507, 517, 523, and/or 593. Depending on the option selected, the following courses are recommended:

**Behavior Intervention Case Management** - COUN 517 and 593

**School-Based Family Counseling** - COUN 523 (6)

**Counseling and Educational Leadership** - COUN 507 and 517

9. Must have completed a minimum of 18 quarter units in residency by taking required classes.
10. Must hold California Certificate of Clearance.
11. Must enroll in minimum of three (3) units of fieldwork (COUN 586S) during each quarter of work as an intern.

## School Psychology Internship Credential

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This credential allows a student to accept employment as a School Psychology Intern while completing advanced coursework toward the School Psychology option of the M.S. degree in Counseling. Students are not admitted to the School Psychology Internship unless they have met *all requirements* for the M.S. degree in Counseling: Option in School Psychology, except for the courses COUN 533, 534, 535 and 586P, in addition to the requirements described in their School Psychology Internship Manual. Once these requirements are met, the student is eligible for the School Psychology Internship Credential. These remaining courses are taken concurrently with internship (or before) along with regular supervisory meetings with the student's University supervisor.



## College of Engineering, Computer Science, and Technology



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### OFFICE OF THE DEAN

Engineering and Technology A236

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### ASSOCIATE DEAN'S OFFICE

Engineering and Technology A236

Phone: (323) 343-4510

## Administrators

**Dean:** H. Keith Moo-Young

**Associate Dean:** Don M. Maurizio,

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Engineering, Computer Science, and Technology contribute in many ways to the technological progress, personal welfare and business success of the world. In fact, these fields are responsible for many of the advances in our modern civilization. Through their specialties, engineers, computer scientists, and technologists design, plan, and supervise the construction of buildings, highways, rapid transit systems, and water supplies, and involve areas of solid-state electronics, computers, electrical equipment, communications, controls, and power distribution systems. They also enter the fields of e-commerce, computer programming, mechanics, thermal science, machinery design, instrumentation, and the development and transmission of power.

Engineers and technologists are creative individuals who use math and basic science to create and improve machines, structures and devices such as alternative fuel vehicles, earthquake-proof buildings, cellular phones and spacecraft. They are vital to the practical interpretation and application of some of today's greatest achievements in business, industry and government. Through a hands-on approach, these professionals continue to produce innovative products and procedures that make a major impact upon improving life and safety. Their problem-solving skills are integral to our society's success in the new millennium. Computer scientists play a major role in the smooth operation of almost all of our modern conveniences, business transactions, transportation and medical needs. From automated banking systems to state-of-the-art satellites, computer scientists have led the revolutionary changes in contemporary society. Advances in computer science have even benefited the entertainment industry through the ongoing development of video games, digital film and the Internet.

The College of Engineering, Computer Science, and Technology offers programs leading to the Bachelor of Science degree in Civil, Electrical, or Mechanical Engineering or with a Special Option; Bachelor of Science in Computer Science; Bachelor of Science in Industrial Technology, with options in Aviation Administration, Printing Management, and Production Technology; Bachelor of Science in Fire Protection Administration and Technology; and Bachelor of Arts in Industrial Arts.

## Undergraduate Programs

### Engineering

#### Bachelor of Science Degrees in Engineering

The Bachelor of Science degree may be earned in Civil Engineering, Electrical Engineering, Mechanical Engineering, or in Engineering with Special Options .

Programs leading to the Bachelor of Science degree in Civil, Electrical, or Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; Telephone (410) 347-7700. All accredited programs are required to provide the following minimum level of instruction: one year of mathematics and basic sciences; one and one-half years of engineering science and design (engineering topics); and one-half year of humanities and social sciences.

The Bachelor of Science degree with Special Option, which is not accredited by EAC/ABET, is a program that allows students to prepare for innovative careers in engineering through interdisciplinary combinations of course work in areas such as manufacturing engineering.

The total number of units for the Bachelor of Science degree in Engineering with Special Options is 200, of which 152 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

#### *Requirements for the Major*

The total number of units required for each Bachelor of Science degree in Engineering differs slightly with the degree chosen, as shown below. All students complete a required basic program of lower division courses, followed by specific requirements and technical electives appropriate to their selected degree and individual professional objectives.

Students consult a faculty adviser before registering for classes in their first quarter. They are then required to see their adviser before registering for each subsequent quarter to check for completion of prerequisites and granting of approval to register. Students are expected to develop working relationships with their advisers, and are expected to design elective programs with adviser consultation. They must complete all required lower division course work and obtain upper division advisement before registering for elective courses.

#### *Civil Engineering*

The degree and major require a minimum of 194 units including 146 in the major: 77 in lower division required courses, 52 in upper division required courses, and 17 in upper division electives.

#### *Electrical Engineering*

The degree and major require a minimum of 198 units including 150 in the major: 63 in lower division required courses, 48 in upper division required courses, 22 in upper division EE electives (20 lecture, 2 lab), 4 in upper division MATH electives, and 13 in an upper division specialization.

#### *Mechanical Engineering*

This degree and major require a minimum of 194 units including 146 in the major: 68 in lower division required courses, 51 in upper division required courses, and 27 in upper division electives.

#### *Engineering with Special Options*

The degree and major with this option require a minimum of 200 units including 152 in the major: 68 in lower division required courses, 27 in upper division required courses, and 57 units in upper division electives. In addition, all degrees require the completion of the general education program for engineering majors. Students should consult their major department to obtain a copy of these requirements.

#### *Transfer Students*

The Engineering program is designed for students who transfer from a California community college as well as those who begin their work at Cal State L.A. Students at other colleges who are considering transferring to Cal State L.A. are urged to consult a department adviser for complete details and for program counseling.

In evaluating transfer courses, the engineering departments allow no subject credit for upper division work taken at another institution in which the grade of D or its equivalent was earned. Lower division courses are not subject to this restriction.

## **Computer Science**

The Department of Computer Science offers an undergraduate degree in Computer Science. This program is designed to provide an excellent foundation in all core areas of computer science with the opportunity to choose electives in a variety of specialized fields. A total of 189 units are required for the degree, including 119 units in the major.

#### *Transfer*

Many students transfer into the Department of Computer Science after attending community college. With the impending implementation of the Lower Division Transfer Pattern, a California statewide pattern of general education and graduation coursework, transfer students will be able to immediately begin their 59 units of required upper division courses for Computer Science. Students are strongly advised to meet with an adviser prior to beginning their transfer program.

## **Technology**

The Department of Technology offers undergraduate programs in several areas designed to prepare students for careers in industrial technology and technology education. Specific programs are in industrial technology, graphic communications, aviation administration, fire protection administration, and technology education. These programs allow students to develop expertise in specific technical areas including: aviation management, fire protection, automated manufacturing and robotics, computer aided design (CAD), computer aided manufacturing (CAM), electronics, design/drafting, graphic communications/printing, manufacturing, and power, energy and transportation. Graduates of these programs are employed in a wide range of careers including managers, management representatives, administrators, production supervisors, trainers, technical support specialists, and technology educators. The department also offers several upper division certificate programs to provide further technical depth.

#### *Advisement*

Each of the programs in the Department of Technology has an adviser that can assist students in developing their programs. Every new student must

see an adviser before beginning to take classes. Transfer students are encouraged to begin advisement while still enrolled at the community college to ensure a smooth transition.

All advisement is on an appointment basis. Please call (323) 343-4550 for an appointment.

### *Transfer*

Many students transfer into the Department of Technology after attending community colleges. The advisers are prepared to explain the transfer process and create a degree program based on a combination of transfer and Cal State L.A. courses.

Some community college programs have structured 2+2 agreements with our programs. 2+2 programs provide for more efficient transfer but require that specific courses be taken at each institution. Please consult your college catalog, counseling office, or call our advisers at (323) 343-4550 for details.

## **Graduate and Postbaccalaureate Programs**

The objective of the Master of Science degree programs in Civil, Electrical, and Mechanical Engineering is to prepare students for employment in design, research, and development positions in industry, for positions as engineering teachers, and for further study toward doctoral degrees.

The Department of Technology offers a Master of Arts degree in Industrial and Technical Studies. The purpose of this degree is to prepare students for technical management roles in industry, leadership in technology education or the public sector, and/or for further study toward a doctoral degree.

### **Degrees Offered**

The college offers graduate programs leading to master's degrees in the following four fields.

- Master of Science degree in Civil Engineering
- The Master of Science in Computer Science
- Master of Science degree in Electrical Engineering
- Master of Science degree in Mechanical Engineering
- Master of Arts degree in Industrial and Technical Studies

### **Admission to Engineering Programs**

In addition to University requirements for admission to graduate study, applicants must possess the equivalent of the Bachelor of Science degree currently specified by Cal State L.A. for the field of engineering in which they wish to specialize and a 2.75 grade point average in the last 90 quarter units attempted in the undergraduate program. Applicants who do not meet the above admission requirements may be admitted at the discretion of the department in which the proposed graduate degree is offered. Applicants who earned less than a 2.5 grade point average in the last 90 units attempted in undergraduate status will not be admitted to a master's degree program in engineering without clear and compelling evidence of current capacity for satisfactory performance in such a program.

Consultation with a department graduate adviser is required before any courses are attempted to determine if deficiencies exist in undergraduate preparation. Students should provide transcripts of all undergraduate work, which will be retained by the adviser. MATH 402A, entitled *Advanced Mathematics for Engineers and Physicists I*, is required for all graduate programs in engineering if not previously completed.

### **Masters in Computer Science**

The Department of Computer Science offers a Master of Science degree in Computer Science which prepares students to work at advanced levels in industry, business or government, further graduate work, or to teach at the community college. Students are able to tailor their program to fit career interests and goals.

### **Admission to the Computer Science Program**

Applicants who hold an acceptable baccalaureate degree from a regionally accredited four-year institution must apply to the University. Applicants who meet all the University requirements are admitted to postbaccalaureate unclassified standing. No more than 13-quarter units of acceptable course work completed before approval by the department's graduate adviser and college graduate dean may be included on the master's program.

Students with an undergraduate degree in Computer Science who meet the conditions for classified standing may be advanced to classified standing immediately upon filling out a master's degree program in consultation with the department's graduate adviser.

Applicants who do not meet the above admission requirements may be admitted at the discretion of the department in which the proposed graduate degree is offered. Applicants who earned less than a 2.5 grade point average in the last 90 quarter units attempted in undergraduate status will not be admitted to the master's degree program without clear and compelling evidence of current capacity for satisfactory performance in such a program.

Consultation with a department graduate adviser is required before any courses are attempted to determine if deficiencies exist in undergraduate preparation. Students should provide transcripts of all undergraduate work, which will be retained by the adviser.

### **Admission to the Industrial and Technical Studies Program**

In addition to University requirements for admission to graduate study, applicants must possess a Bachelor's degree in a field related to technology.

Applicants who do not possess a related degree may take a series of prerequisite courses to qualify for admission. Applicants who earned less than a 2.5 grade point average in their last 90 (quarter) units attempted may be admitted on probationary status. The program adviser can explain the procedures required for this exception to take place. All students must see the adviser before enrolling in any courses in the program.

## Programs for this School/College:

### Undergraduate Major

- Engineering with Special Options, B.S.

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## Engineering with Special Options, B.S.

The Bachelor of Science degree with Special options is a program that allows students to prepare for innovative careers in engineering through interdisciplinary combinations of course work. Three special options in manufacturing engineering, environmental engineering, and rehabilitation engineering are offered. This program is not yet accredited by EAC/ABET.

The degree and the options require a minimum of 184 units including a required Common Core of 76 units, required courses within the option of 60 units, and University and General Education requirements of 48 units.

### Requirements for the Major (136 units)

#### Required Common Core Courses (76 units)

- CHEM 101† - General Chemistry I (5)
- ENGR 150 - Introduction to Higher Education for Engineers (1)
- CE 201 - Statics (4) **also listed as**
- ME 201 - Statics (4)
  
- CE 205 - Strength of Materials I (4) **also listed as**
- ME 205 - Strength of Materials I (4)
  
- ENGR 207 - Materials Science and Engineering (4)
  
- CE 210 - Matrix Algebra for Engineers (2) **also listed as**
- ME 210 - Matrix Algebra for Engineers (2)
  
- CE 211 - Statistics and Probability for Engineers (2) **also listed as**
- ME 211 - Statistics and Probability for Engineers (2)
  
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- CE 312 - Strength of Materials Laboratory I (1) **also listed as**
- ME 312 - Strength of Materials Laboratory I (1)
  
- CE 313 - Fluid Mechanics Laboratory I (1) **also listed as**
- ME 313 - Fluid Mechanics Laboratory I (1)
  
- ENGR 300 - Economics for Engineers (4)
- ENGR 301 - Ethics and Professionalism in Engineering (1)
  
- CE 303 - Fluid Mechanics I (4) **also listed as**
- ME 303 - Fluid Mechanics I (4)
  
- CE 320 - Dynamics I (4) **also listed as**
- ME 320 - Dynamics I (4)
  
- ME 326A - Thermodynamics I (4)

#### Option I - Manufacturing Engineering Emphasis within Special Option

Required and elective courses (60 units) in this option will be taken from the following group of courses in Engineering, Technology and Management. Manufacturing engineers are concerned with the transformation of raw materials into industrial and consumer products. They are employed by a wide variety of manufacturing industries including aerospace, appliance, automotive, electronics, machine tools, and semiconductor.

#### Required Courses (18 units)

- ME 310 - Mechanical Engineering Writing Laboratory (1)
- ME 323 - Machine Design I (4)

- ME 327 - Manufacturing Processes (4)
- ME 428 - Automation and Computer-Aided Manufacturing (4)
- ME 430 - Properties and Selection of Engineering Materials (4)
- ME 431 - Material Laboratory (1)

### **Elective Manufacturing Courses (6 units)**

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Select at least 6 units from the following with attention to prerequisites.

- TECH 361 - Welding Technology (3)
- TECH 460 - Manufacturing, Materials, and Processes (3)
- TECH 466 - Computer-Aided Manufacturing (3)

### **Management Electives (8 units)**

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Select 8 units from the following with attention to prerequisites:

- MGMT 306 - Operations Management (4)
- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 463 - Process Design and Improvement (4)
- MGMT 464 - Production and Inventory Management (4)
- MGMT 467 - Quality Control (4)

### **Technical Electives (16 units)**

---

Select 16 units from the following with attention to prerequisites:

- ME 306 - Heat Transfer I (4)
- ME 321 - Kinematics of Mechanisms (4)
- ME 409 - Mechanical Engineering Analysis (4)
- ME 410 - Control of Mechanical Systems (4)
- ME 414 - Machine Design II (4)
- ME 419 - Computer Aided Mechanical Engineering (4)
- ME 421 - Dynamics of Mechanisms (4)
- ME 422 - Optimization of Mechanical Engineering Systems (4)
- ME 423 - Introduction to the Finite Element Method (4)
- TECH 325 - Industrial Controls (3)
- TECH 327 - Microprocessors (3)
- TECH 411 - Tool Design (3)
- TECH 425 - Programmable Controls (3)

### **Senior Design Sequence (12 units)**

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- ENGR 497A - Engineering Senior Project (4)
- ENGR 497B - Engineering Senior Project (4)
- ENGR 497C - Engineering Senior Project (4)

## **Option II - Environmental Engineering Emphasis within Special Option**

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Required and elective courses (60 units) in this option will be taken from courses in environmental engineering, biology, chemistry, and other related programs. Environmental engineers use principles in science and engineering to identify and quantify threats to the natural environment (air, water and soil) and to design and implement technologies to improve it. They are employed by a wide variety of public and private institutions and are involved in all aspects of the discipline, ranging from policy to fundamental research to large-scale implementation of technologies.

### **Required Courses (36 units)**

---

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- MICR 300 - General Microbiology (5)
- CHEM 102† - General Chemistry II (5)
- CE 306 - Communication for Civil Engineers (3)
- CE 386 - Design of Water Resources Systems (4)
- CE 384 - Introduction to Environmental Engineering (4)
- CE 454L - Special Topics in Civil Engineering (1)
- CE 387 - Hydraulics I (4)

### **Technical Electives (12 units)**

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Select at least 12 units from the following with attention to prerequisites.

- CE 366 - Soil Mechanics I (4)
- CE 370 - Transportation Engineering (4)
- CE 483 - Hydrology I (4)
- CE 484 - Sewerage and Sewage Treatment (4)
- CE 485 - Water Supply (4)
- CE 486 - Groundwater Contamination and Remediation (4)

### **Senior Design Sequence (12 units)**

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- ENGR 497A - Engineering Senior Project (4)
- ENGR 497B - Engineering Senior Project (4)
- ENGR 497C - Engineering Senior Project (4)

### Option III - Rehabilitation Engineering Emphasis within Special Option

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Required and elective courses (60 units) will include courses in engineering design, biomechanics, kinesiology and physiology, and related sciences and engineering. The aim of this option is to enable both an analytical and hands-on understanding of biomechanics, disability, and multi-disciplinary, creative design to improve the independence, activities and quality of life of people with disabilities. Rehabilitation engineers research and develop a wide range of assistive devices for people with disabilities. Examples include all-terrain wheelchairs, improved artificial limbs, and improved recreation and therapeutic devices for adults and children with disabilities. Rehabilitation engineers may develop their own product development companies, work for biomedical devices companies, or work with rehabilitation facilities both public and private. Rehabilitation engineering is also a viable academic option in conjunction with premedical studies, or studies for allied health services field, such as occupational and physical therapy, and nursing. It also is an excellent introduction to the field of client focused product development, involving an intimate knowledge of human factors and the multidisciplinary nature of design.

#### Required Science Courses (15 units)

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- BIOL 100A - Introductory Biology I (5)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)

#### Upper Division Kinesiology Required Courses (9 units)

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- KIN 335 - Anatomical Kinesiology (4)
- KIN 340 - Applied Biomechanics (5)

#### General Science Electives (4 units)

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Select 4 units of science electives with advisor approval.

#### Upper Division Rehabilitation Requirements (12 units)

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- ME 250 - Biomaterials (4)
- ME 350 - Biomechanics (4)
- ME 454 - Special Topics in Mechanical Engineering (1-4)

#### Technical Electives (8 units)

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Select at least 8 units from the following with attention to prerequisites.

- ENGR 300 - Economics for Engineers (4)
- ME 306 - Heat Transfer I (4)
- ME 321 - Kinematics of Mechanisms (4)
- ME 409 - Mechanical Engineering Analysis (4)
- ME 410 - Control of Mechanical Systems (4)
- ME 414 - Machine Design II (4)
- ME 419 - Computer Aided Mechanical Engineering (4)
- ME 421 - Dynamics of Mechanisms (4)
- ME 422 - Optimization of Mechanical Engineering Systems (4)
- ME 423 - Introduction to the Finite Element Method (4)

#### Senior Design Course Sequence (12 units)

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- ENGR 497A - Engineering Senior Project (4)
- ENGR 497B - Engineering Senior Project (4)
- ENGR 497C - Engineering Senior Project (4)

## Department of Civil Engineering



### DEPARTMENT OFFICE

Engineering and Technology A212

Phone: (323) 343-4450

E-mail: [civilengr@calstatela.edu](mailto:civilengr@calstatela.edu)

Website: <http://www.calstatela.edu/academic/ecst/civil/index.htm>

Civil Engineering is the broadest of the engineering disciplines, extending across many technical specialties, specialties that are not independent but interact with each other. Civil engineers plan, design, and supervise the construction of facilities that vary widely in nature, size and scope: space satellites and launching facilities, offshore structures, bridges, buildings, tunnels, highways, transit systems, dams, airports, irrigation projects, treatment and distribution facilities for water and collection and treatment facilities for wastewater.

In addition to facility design and construction, civil engineers also have options to teach and to participate in research. As you develop your skills, you will have the opportunity to move into the area of engineering management, overseeing the completion of entire projects.

## The Faculty

**Professors:** Hassan Hashemian, Crist S. Khachikian, Rupa P. Purasinghe (Chair), Mark R. Tufenkjian.

**Assistant Professor:** Gustavo B. Menezes

**Emeriti:** Frank R. Balle, Anjan K. Bhaumik, Raymond I. Jeng, Irving Kett, Young C. Kim, Gunjit Sikand, Narendra B. Taly, Wen L. Wang.

## Programs for this Department:

### Undergraduate Major

- Civil Engineering, B.S.
- Civil Engineering, Integrated B.S. / M.S.

### Graduate Major

- Civil Engineering, M.S.





## Civil Engineering, B.S.

The civil engineering program provides instruction in the basic sciences and in engineering analysis and design. Areas of interest within civil engineering include: environmental and sanitary engineering, geotechnical engineering, highway and transportation engineering, hydraulics and hydrology, ocean engineering, and structural analysis and design.

The program leading to the Bachelor of Science degree in Civil Engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; Telephone (410) 347-7700. All accredited programs are required to provide the following minimum level of instruction: one year of mathematics and basic sciences; one and one-half years of engineering science and design (engineering topics); and one-half year of humanities and social sciences.

The total number of units required for the Bachelor of Science degree in Civil Engineering is 193 units, of which 145 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (145 units)

#### Lower Division Required Courses (75 units)

- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- CHEM 101† - General Chemistry I (5)
- ENGR 150 - Introduction to Higher Education for Engineers (1)
  
- CE 201 - Statics (4) **also listed as**
- ME 201 - Statics (4)
  
- EE 204 - Circuit Analysis (4)
  
- CE 205 - Strength of Materials I (4) **also listed as**
- ME 205 - Strength of Materials I (4)
  
- ENGR 207 - Materials Science and Engineering (4)
  
- CE 210 - Matrix Algebra for Engineers (2) **also listed as**
- ME 210 - Matrix Algebra for Engineers (2)
  
- CE 211 - Statistics and Probability for Engineers (2) **also listed as**
- ME 211 - Statistics and Probability for Engineers (2)
  
- CS 290 - Introduction to FORTRAN Programming (2)
- CE 190 - Introduction To CAD (1)
- CE 195 - Civil Engineering Design I (4)
- CE 202 - Plane Surveying (4)
- CE 290 - Numerical Methods for Engineers (3)

#### Upper Division Required Courses (53 units)

- CE 303 - Fluid Mechanics I (4) **also listed as**
- ME 303 - Fluid Mechanics I (4)
  
- CE 312 - Strength of Materials Laboratory I (1) **also listed as**
- ME 312 - Strength of Materials Laboratory I (1)
  
- CE 313 - Fluid Mechanics Laboratory I (1) **also listed as**
- ME 313 - Fluid Mechanics Laboratory I (1)
  
- CE 320 - Dynamics I (4) **also listed as**
- ME 320 - Dynamics I (4)
  
- CE 306 - Communication for Civil Engineers (3)
- CE 360 - Structural Mechanics I (4)

- CE 361 - Introduction to Structural Design (4)
- CE 364 - Concrete Laboratory (1)
- CE 366 - Soil Mechanics I (4)
- CE 368 - Soil Mechanics Laboratory (1)
- CE 370 - Transportation Engineering (4)
- CE 384 - Introduction to Environmental Engineering (4)
- CE 386 - Design of Water Resources Systems (4)
- CE 496A - Civil Engineering Design Project I (3)
- CE 496B - Civil Engineering Design Project II (2)
- ENGR 300 - Economics for Engineers (4)
- ENGR 301 - Ethics and Professionalism in Engineering (1)
- ME 326A - Thermodynamics I (4)

## Upper Division Electives (17 units)

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Select a coherent program of 16 units lecture and design electives, which may include a maximum of 4 units from related fields with departmental approval, plus 1 unit of laboratory electives. A minimum of 8 units must be selected from the group designated as design electives. A minimum of 12 units in upper division electives must be taken in residence at Cal State L.A.

### Design Electives: (8-16 units)

- CE 461 - Design of Steel Structures (4)
- CE 462 - Reinforced Concrete Design I (4)
- CE 463 - Timber and Masonry Design (4)
- CE 465 - Seismic Design (4)
- CE 467 - Foundations I (4)
- CE 471 - Highway Engineering (4)
- CE 472 - Highway and Airport Pavement Design (4)

### Lecture Electives: (0-8 units)

- CE 365 - Specifications and Cost Estimating (4)
- CE 387 - Hydraulics I (4)
- CE 402 - Strength of Materials II (4)
- CE 460 - Structural Mechanics II (4)
- CE 474 - Traffic Engineering (4)
- CE 475 - Advanced Geomatics (4)
- CE 483 - Hydrology I (4)
- CE 484 - Sewerage and Sewage Treatment (4)
- CE 485 - Water Supply (4)
- CE 486 - Groundwater Contamination and Remediation (4)

## Electives from Related (0-4 Units)

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### Laboratory Electives: (1 unit)

- CE 372 - Asphaltic Materials Laboratory (1)
- CE 381 - Computer Aided Design Laboratory (1)
- CE 382 - Computer Aided Structural Analysis, Design and Experimentation Laboratory (1)
- CE 413 - Fluid Mechanics Laboratory II (1) **also listed as**
- ME 413 - Fluid Mechanics Laboratory II (1)
- CE 473 - Pavement Design Laboratory (1)
- ME 412 - Strength of Materials Laboratory II (1)
- CE 499 - Undergraduate Directed Study (1-4)

## Civil Engineering, Integrated B.S. / M.S.



Print this Page

The Integrated BS/MS program in Civil Engineering provides an accelerated route for academically excellent upper-division students in the BS degree program to complete the MS degree program while simultaneously completing the BS requirements. The main objectives of the program are:

- To provide an accelerated route to a graduate degree, with simultaneous awarding of both bachelor's and master's degrees.

### Program Features

- Simplified application process
- BS and MS coursework can be taken concurrently
- 8 common 400 level elective units between BS and MS programs
- Access to graduate student facilities
- TA appointments (if available)
- The scheduling flexibility provided by the program enables students to complete the BS and MS degrees efficiently.

## Admission to the Integrated BS/MS Program

**The eligibility requirements for admission to the Integrated BS/MS program are:**

- Students must have completed a minimum of 135 quarter units of coursework.
- Students must have a minimum GPA of 3.0 in the last 90 quarter units.
- Students must have completed the CE foundation required courses: CE 303 /ME 303, CE 312 /ME 312, CE 313 /ME 313, CE 320 /ME 320, CE 360 CE 361, CE 364, CE 366, CE 368, CE 370, CE 384 , and CE 386 ) in the BS with a minimum GPA of 3.0.
- Students must have completed the Graduation Writing Assessment Requirement (GWAR).

Students are selected by a faculty committee based on prior academic performance and other measures of professional promise.

Applications for the Civil Engineering Integrated BS/MS program are only accepted in the fall quarter. Applications must be submitted two months in advance of the desired starting quarter.

**To apply, please submit:**

1. Application in word doc format.
2. Two letters of recommendation in word doc format (at least one of which should be from a Civil Engineering faculty member).

After review by a faculty committee and if the application is accepted, a Graduate Degree Study Plan will be prepared and approved. The formal degree plan would specify the eight units of common electives to be listed on the BS and the MS program.

### Degree Requirements

1. Successful completion of all requirements for the BS (193 units) and the MS (45 units) degrees with all overlap of 8 units in electives.
2. A minimum 2.0 GPA for courses counting towards the bachelor's degree and a minimum 3.0 GPA required for courses counting towards the master's degree.
3. The degrees awarded when requirements for both the bachelor's and the master's degrees are met by the student and recorded by the Registrar's Office. Both degrees are awarded in the same quarter.
4. Students who select the Thesis Option must be enrolled during the term that they submit their approved graduate thesis/project to the Library.
5. The student applies to graduate in the integrated program (BS and MS) by submitting two graduation applications. These applications should be submitted at least two quarters prior to graduation.
6. If a student fails to complete the requirements for the master's degree, the student may petition to withdraw from the Integrated Program, and the bachelor's degree will be granted when all the requirements for that degree are met.

## Civil Engineering, M.S.

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The Master of Science degree in Civil Engineering at Cal State L.A. is structured to prepare students for advancement in employment with opportunities in design, research, and development, as well as for further study at the doctoral level. Classes are offered year-round on the quarter system to accommodate the needs of working professionals.

### Requirements for the Degree (45 units)

A total of 45 units are required, with at least 24 in 500-level courses. A thesis or comprehensive examination is required.

The advice and approval of a civil engineering graduate adviser must be obtained before enrolling in any course.

### Area of Specialization (24–41 units)

Select a minimum of 24 units in 500-level engineering courses. At least 20 units must be in civil engineering courses from the following list, must be in a coherent group of courses that fulfills the student's objectives, and must have the approval of adviser and department chair.

- CE 560 - Structural Mechanics III (4)
- CE 561 - Advanced Steel Design (4)
- CE 562 - Reinforced Concrete Design II (4)
- CE 564 - Numerical Methods in Structural Analysis (4)
- CE 565 - Dynamics of Structures (4)
- CE 566 - Soil Mechanics II (4)
- CE 567 - Foundations II (4)
- CE 569 - Earth Structures (4)
- CE 570 - Soil Dynamics (4)
- CE 571 - Highway Design (4)
- CE 572 - Plates and Shells (4)
- CE 574 - Traffic Flow Analysis (4)
- CE 575 - Urban Transportation Planning (4)
- CE 577 - Bridge Engineering (4)
- CE 579 - Environmental Mass Transfer (4)
- CE 580 - Environmental Transport (4)
- CE 581 - Modeling Techniques in Hydraulic Engineering (4)
- CE 582 - Statistical Hydrology (4)
- CE 583 - Hydrology II (4)
- CE 586 - Open Channel Hydraulics (4)
- CE 587 - Hydraulics II (4)
- CE 588 - Hydraulic Structures (4)
- CE 589 - Coastal Engineering (4)

### Electives in Civil Engineering (0–17 units)

Select from 400- and 500-level courses.

### Electives in Related Fields (4–21 units)

Select a minimum of 4 units, other than in civil engineering, related to this program. MATH 402A (4 units) must be included in these electives unless already completed.

### Comprehensive Examination or Thesis (0, 4 units)

Students who select the comprehensive examination (CE 596) should expect to take it the quarter they complete all courses work on their program, and must comply with college and departmental requirements.

- CE 596 - Comprehensive Examination (0)  
or
- CE 599 - Thesis (1–4) (4)

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## Department of Computer Science

### DEPARTMENT OFFICE

Engineering and Technology A322

Phone: (323) 343-6690

E-mail: [cs@calstatela.edu](mailto:cs@calstatela.edu)

Website: <http://www.calstatela.edu/academic/ecst/cs>

With recent, rapid advances in computer hardware and computer software technology, computer science has become one of the most exciting and dynamic fields of study and research. Careers in computer science offer infinite opportunities, since almost any conceivable modern device or business transaction uses computers and computer languages. The job market is strong for workers who have specialties in areas such as computer networks, computer graphics, artificial intelligence, database systems, and distributed systems. The Department of Computer Science offers an undergraduate program of study leading to a Bachelor of Science degree in Computer Science and a graduate program leading to the Master of Science in Computer Science. The degree program allows preparation for graduate study and professional careers involving the design of computer systems and their application to science and industry. The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202 - telephone: (410) 347-7700; website: <http://www.abet.org>. Students may also minor in computer science to enhance skills that will complement their future careers. The department also participates in an Interdisciplinary Studies Minor in Multimedia that enables students to develop interactive, multimedia products. For more information, please refer to University Programs.

## The Faculty

**Professors:** Russell J. Abbott, Vladimir N. Akis, Jiang Guo, Raj S. Pamula (Chair), Behzad Parviz.

**Associate Professor:** Valentino Crespi, Huiping Guo, Eun-Young Elaine Kang, Chengyu Sun.

**Assistant Professors:**

**Emeriti:** Donald I. Kiel.

## Programs for this Department:

### Undergraduate Major

- Computer Science, B.S.
- Computer Science, Integrated B.S./M.S.

### Undergraduate Minor

- Computer Science Minor

### Graduate Major

- Computer Science, M.S.

## Computer Science, B.S.

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The objective of the Bachelor of Science degree in Computer Science is to prepare qualified students for careers involving the design of computer systems and their applications to science and industry. The program provides an excellent foundation in all core areas of computer science with the opportunity to choose electives in a variety of specialized fields.

The total number of units required for the Bachelor of Science degree in Computer Science is 180-183 units, of which 126-129 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (126-129 units)

A grade of "C" or better is required for all prerequisite courses in the major.

#### Lower Division Required Courses (60-63 units)

- CS 120 - Introduction to Website Development (3)
- CS 122 - Using Relational Databases and SQL (3)
- CS 201 - Introduction to Programming (5)
- CS 202 - Introduction to Object Oriented Programming (5)
- CS 203 - Programming with Data Structures (5)
- CS 245 - Introduction to Computer Organization, Operating Systems and Networks (3)
- MATH 270 - Introduction to Probability and Statistics (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 248 - Discrete Mathematics (4)
- MATH 255 - Introduction to Matrix Theory (4)
  
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)
- or
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)

#### Upper Division Required Courses (42 units)

- CS 301 - Computer Ethics in the Information Age (1)
- CS 312 - Data Structures and Algorithms (4)
- CS 320 - Web and Internet Programming (3)
- CS 332C - Object-Oriented Programming with C++. (2)
- CS 332F - Functional Programming (2)
- CS 332L - Logic Programming (2)
- CS 337 - Software Design (3)
- CS 386 - Introduction to Automata Theory (4)
- CS 437 - Software Engineering (5)
- CS 440 - Introduction to Operating Systems (4)
- EE 444 - Computer Architecture (4)
- CS 490 - Computer Science Recapitulation (2)
- CS 496A - Software Design Laboratory (2)
- CS 496B - Software Design Laboratory (2)
- CS 496C - Software Design Laboratory (2)

#### Electives (24 units)

Select 24 units upper division computer science courses. Courses outside Computer Science may be substituted only with prior approval of the Computer Science undergraduate adviser.

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## Computer Science, Integrated B.S./M.S.

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The Integrated BS/MS program in Computer Science provides an accelerated route for academically excellent upper-division students in the BS degree program to complete the MS degree program while simultaneously completing the BS requirements. The main objectives of the program are:

- To provide an accelerated route to a graduate degree, with simultaneous awarding of both bachelor's and master's degrees.
- To provide a seamless process whereby a limited number of student can progress from undergraduate to graduate status without having to apply through the Admissions Office.

### Program Features

- Simplified application process
- BS and MS coursework can be taken concurrently
- 16 common elective units between BS and MS programs.
- Access to graduate student facilities
- TA appointments (if available)
- Scheduling flexibility provided by the program enables students to complete the BS and MS degrees efficiently.

## Admission to the Integrated BS/MS Program

The eligibility requirements for admission to the Integrated BS/MS program are:

- **Students must have completed a minimum of 135 quarter units of coursework.**
- **Students must have a minimum GPA of 2.75 in the last 90 quarter units.**
- **Students must have completed all of the six required CS 300-level courses (CS 301, CS 312, CS 320, CS 332C, CS 332F, CS 332L, CS 337, CS 386) in the BS degree program with a minimum grade of "B".**
- **Students must have completed the Graduation Writing Assessment Requirement (GWAR).**

Students are selected by a faculty committee based on prior academic performance and other measures of professional promise including a personal statement and letters of recommendation.

Applications for the Computer Science Integrated BS/MS program are only accepted in the fall quarter. Applications must be submitted in advance of the desired starting quarter. To apply, please submit:

1. Application in word doc format.
2. Two letters of recommendation in word doc format (at least one of which should be from a full time Computer Science faculty member)

After review by a faculty committee and if the application is accepted, a Graduate Degree Study Plan will be prepared and approved. The department chair will submit a GS-8 Form to the Registrar's Office to change the degree objective from the BS to the BS/MS Integrated program. The formal degree plan would specify the sixteen units of common electives to be listed on the BS and the MS program.

### Degree Requirements

1. Successful completion of all requirements for the BS (180 - 183 units) and the MS (45 - 53 units) degrees with an overlap of 16 units in electives.
2. A minimum 2.0 GPA for courses counting towards the bachelor's degree and a minimum 3.0 GPA for courses counting towards the master's degree.
3. Degrees awarded when requirements for both the bachelor's and the master's degrees are met by the student and recorded by the Registrar's Office. Both degrees are awarded in the same quarter.
4. Students who select the Thesis Option must be enrolled during the term that they submit their approved graduate thesis/project to the Library.
5. Students must apply to graduate in the Integrated Program (BS / MS) by submitting a Graduation Application to the Registrar's Office. This request should be submitted at least two quarters prior to graduation.
6. Students who fail to complete the requirements for the master's degree, may petition to withdraw from the Integrated Program, if the petition is approved, the bachelor's degree will be granted when all the requirements for that degree are met.

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## Computer Science Minor

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A Computer Science minor, available for students majoring in other fields, consists of 25 units; 12 are upper division. Students majoring in fields that require the same courses as those required for the minor in Computer Science must take only those courses in the minor program that are not incorporated into their major.

### Requirements for the Minor (25 units)

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#### Required Courses (17 units)

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- CS 120 - Introduction to Website Development (3)
- CS 122 - Using Relational Databases and SQL (3)
- CS 242 - C Programming (4)
- CS 245 - Introduction to Computer Organization, Operating Systems and Networks (3)
- CS 342 - Object Oriented Programming Using C++ (4)

#### Electives (8 units)

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Select 8 units of upper division computer science courses.

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## Computer Science, M.S.

The Master of Science degree in Computer Science prepares students to work at advanced levels in industry, business or government, further graduate work, or to teach at the community college. Students are able to tailor their program to fit career interests and goals.

### Admission to the Program

Applicants who hold an acceptable baccalaureate degree from a regionally accredited four-year institution must apply to the University. Applicants who meet all the University requirements are admitted to postbaccalaureate unclassified standing. No more than 13-quarter units of acceptable course work completed before approval by the department's graduate adviser and college graduate dean may be included on the master's program. Students should contact the Computer Science Department to request to change their classification to conditionally classified standing and to obtain a list of courses that need to be taken to advance to classified standing. Students will be advanced to classified standing based on the recommendation from the department's graduate adviser and approval of the college graduate dean once the following requirements are met:

- Students must complete all lower and upper division core courses or equivalents as required by the Computer Science Department at Cal State L.A.
- Students must maintain a GPA of 3.0 or better at CSULA.
- Students must fill out a master's degree program.

Students with an undergraduate degree in Computer Science who meet the conditions for classified standing may be advanced to classified standing immediately upon filling out a master's degree program in consultation with the department's graduate adviser.

On attaining classified graduate standing, students must complete all the requirements for the MS degree in Computer Science.

#### Requirements for the Program (45 units)

The MSCS degree requires completion of 45-52 units as described in (I) through (IV) below. No more than 8 units of acceptable post-baccalaureate course work completed prior to entrance into classified standing may be included in the master's degree program.

##### (I) Core (12 units)

- CS 512 - Design and Analysis of Algorithms (4)
- CS 537 - Advanced Software Engineering (4)
- CS 520 - Web Programming (4)

##### (II) Three 500-level courses from one of the following three concentrations (12 units)

Prior consent of the graduate adviser is required.

###### a. Application Software:

- CS 522 - Advanced Database Systems (4)
- CS 540 - Advanced Topics in Operating Systems (4)
- CS 550 - Advanced Computer Graphics (4)
- CS 560 - Advanced Topics in Artificial Intelligence (4)
- CS 570 - Networks and Distributed Processing (4)
- CS 575 - Human Issues in Computing (4)
- CS 581 - Computer and Network Security (4)

###### b. System Software:

- CS 540 - Advanced Topics in Operating Systems (4)
- CS 565 - Reliable Computing (4)
- CS 570 - Networks and Distributed Processing (4)
- CS 580 - Advanced Information Security (4)
- CS 588 - Languages and Translators (4)

###### c. Computer Theory:

- CS 522 - Advanced Database Systems (4)
- CS 560 - Advanced Topics in Artificial Intelligence (4)

- CS 565 - Reliable Computing (4)
- CS 586 - Theory of Computing (4)
- CS 588 - Languages and Translators (4)

### **(III) Four Elective courses (16 units)**

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Choose four other CS 400/500 level courses with the prior approval of the adviser. No more than 8 units from 400 level courses can be used as electives.

### **(IV) Culminating Experience: Thesis/Project CS 599AB (5 units) or Comprehensive Exam Option: (12 units)**

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- Choose 12 additional units of 400/500 level courses (at least 8 units must be from 500 level courses)
- CS 596 Comprehensive Exam (0 units)

## Department of Electrical and Computer Engineering

### DEPARTMENT OFFICE

Engineering and Technology A342

Phone: (323) 343-4470

E-mail: [ece@calstatela.edu](mailto:ece@calstatela.edu)

Website: <http://www.calstatela.edu/academic/ecst/ee/index.htm>

Electrical Engineering is the largest major field within engineering. Electrical engineers are involved in all aspects of electrical devices and systems, from conceptual design to manufacturing. They are generally involved in one or more major areas such as electronics, computers, communications, controls, or power. Each of these major areas includes a number of subdivisions such as cognitive radios, high performance computing, microwaves, and integrated circuits. Besides employment in research, development, and design, many electrical engineering graduates are involved in manufacturing, management, sales, testing and teaching. Careers are readily available in industry, government, research, and education.

## The Faculty

**Professors:** Fred Daneshgaran (Chair), Jianyu Dong, Kamran Karimlou, Charles Liu, Helen A. Ryaciotaki-Boussalis, Lili Tabrizi, Nancy Warter-Perez.

**Associate Professors:**

**Assistant Professor:** Deborah Won.

**Emeriti:** George B. Bouse, Roger Brandt, Louis W. Eggers, Jr., Robert Howard, Jack G. Levine, M. Morris Mano, Victor Payse, Jr., Raj S. Ramchandani, Martin S. Roden, Sidney Soclof.

## Programs for this Department:

### Undergraduate Major

- Electrical Engineering, B.S.
- Electrical Engineering, Integrated B.S. / M.S.

### Graduate Major

- Electrical Engineering, M.S.

# Electrical Engineering, B.S.

The electrical engineering program offers instruction in the basic sciences and in engineering analysis and design. The upper division offerings provide a flexible, broad curriculum to enable each student to match talents and interests with career objectives. The major areas of course concentrations are circuits, communications, computers, controls, electronics, and power.

The program leading to the Bachelor of Science degree in Electrical and Computer Engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; Telephone (410) 347-7700. All accredited programs are required to provide the following minimum level of instruction: one year of mathematics and basic sciences; one and one-half years of engineering science and design (engineering topics); and one-half year of humanities and social sciences.

The total number of units required for the Bachelor of Science degree in Electrical Engineering is 198, of which 150 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (150 units)

### Lower Division Required Courses (63 units)

- CHEM 101† - General Chemistry I (5)
- CS 242 - C Programming (4)
- EE 204 - Circuit Analysis (4)
- EE 210 - Electrical Measurements Laboratory (1)
- EE 211 - Electric Circuits Laboratory (1)
- EE 244 - Digital Engineering (4)
- EE 246 - Digital Logic Laboratory (1)
- EE 290 - Electrical Engineering Computing (3)
- ENGR 150 - Introduction to Higher Education for Engineers (1)
  
- CE 208 - Statics and Strength of Materials (4) **also listed as**
- ME 208 - Statics and Strength of Materials (4)
  
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)

### Upper Division Required Courses (48 units)

- EE 304 - Electric Machines (4)
- EE 317 - Electronics Laboratory I (1)
- EE 320 - Analog Communication Systems (4)
- EE 330 - Writing for Electrical Engineers (1)
- EE 332 - Systems Analysis (4)
- EE 334 - Probability and Random Processes (4)
- EE 336 - Electronics (4)
- EE 345 - Microcomputer Programming (4)
- EE 360 - Control Systems Theory I (4)
- EE 437 - Electric and Magnetic Fields (4)
- EE 496A - Senior Design I (3)
- EE 496B - Senior Design II (3)
- EE 496C - Senior Design III (3)
- ENGR 300 - Economics for Engineers (4)
- ENGR 301 - Ethics and Professionalism in Engineering (1)

### Upper Division Electives (39 units)

**Elective Lectures (20 units) (select five from following):**

- EE 347 - Computer Logic Design (4)
- EE 371 - Analog Electronics (4)
- EE 372 - Digital Electronics (4)
- EE 412 - Antennas (4)

- EE 413 - Systems Engineering (4)
- EE 420 - Digital Communication Systems (4)
- EE 421 - Coding for Communications (4)
- EE 422 - Digital Signal Processing (4)
- EE 424 - Fiber Optics (4)
- EE 426 - Digital Image Processing (4)
- EE 427 - Speech Signal Processing (4)
- EE 431 - Electric Power Distribution (4)
- EE 432 - Power Transmission Lines (4)
- EE 433 - Electric Power System Analysis (4)
- EE 434 - Electromagnetic Energy Conversion (4)
- EE 436 - Analog Integrated Circuits (4)
- EE 439 - Digital Integrated Circuits (4)
- EE 440 - Data Communications and Networking (4)
- EE 442 - Multimedia Networking (4)
- EE 445 - Microprocessor Interface Design (4)
- EE 446 - Embedded Architectures (4)
- EE 447 - Backend Compiler Technology (4)
- EE 449 - Computer Organization (4)
- EE 460 - Control Systems Theory II (4)
- EE 461 - Discrete-Time Control Systems (4)
- EE 462 - State Space Control Systems (4)
- EE 472 - Optoelectronics (4)
- EE 483 - Power Electronics (4)
- EE 485 - Biomedical Instrumentation (4)
- EE 486 - Biomedical Signal Processing (4)
- CS 342 - Object Oriented Programming Using C++ (4)

#### **Elective Laboratories (2 units)**

- EE 314 - Electromagnetic Energy Conversion Laboratory (1)
- EE 321 - Communications Laboratory (1)
- EE 340 - Electronics Laboratory II (1)
- EE 428 - Digital Signal Processing Laboratory (1)
- EE 443 - Programmable Logic Laboratory (1)
- EE 448 - HDL Design and Simulation Laboratory (1)
- EE 468 - Control Systems Laboratory (1)
- EE 498 - Cooperative Education (1)
- EE 499 - Undergraduate Directed Study (1–4)

#### **Upper Division Mathematics Elective (4 units)**

Select one from following:

- MATH 325 - Mathematical Notation and Proof (4)
- MATH 402A - Advanced Mathematics I for Engineers and Physicists (4)
- MATH 403 - Partial Differential Equations (4)
- MATH 474 - Theory of Probability (4)

#### **Upper Division Specialization (13 units)**

With adviser approval, select a specialization that includes three lecture courses plus one laboratory course.

## Electrical Engineering, Integrated B.S. / M.S.



The Integrated BS/MS program in Electrical Engineering provides an accelerated route for academically excellent upper-division students in the BS degree program to complete the MS degree program while simultaneously completing the BS requirements. The main objectives of the program are:

- To provide an accelerated route to a graduate degree, with simultaneous awarding of both bachelor's and master's degrees.
- To provide a seamless process whereby a limited number of select student can progress from undergraduate to graduate status without having to apply through the Admissions Office.

### Program Features

- Simplified application process
- BS and MS coursework can be taken concurrently
- Sixteen (16) common 400 level elective units between BS and MS programs
- Access to graduate student facilities
- TA appointments (if available)
- The scheduling flexibility provided by the program enables students to complete the BS and MS degrees efficiently.

## Admission to the Integrated BS/MS Program

The eligibility requirements for admission to the Integrated BS/MS program are:

- Students must have completed a minimum of 135 quarter units of coursework.
- Students must have a minimum GPA of 3.0 in the last 90 quarter units.
- Students must have completed the EE foundation required courses (EE 204, CS 242, EE 244, EE 304, EE 320 , EE 332, EE 334 , EE 336 , and EE 360 )  
in the BS with a minimum average GPA of 3.0.
- Students must have completed the Graduation Writing Assessment Requirement (GWAR).

Students are selected by a faculty committee based on prior academic performance and other measures of professional promise.

Applications for the Electrical Engineering Integrated BS/MS program are only accepted in the fall quarter. Applications must be submitted two months in advance of the desired starting1quarter.

### To apply, please submit:

1. Application in word doc format.
2. Two letters of recommendation in word doc format (at least one of which should be from an Electrical Engineering faculty member).

After review by a faculty committee and if the application is accepted, a Graduate Degree Study Plan will be prepared and approved. The department chair will submit a GS-8 Form to the Registrar's Office to change the degree objective from the BS to the BS/MS Integrated program. The formal degree plan would specify the sixteen units of common electives to be listed on the BS and the MS program.

## Degree Requirements

1. Successful completion of all requirements for the BS (198 units) and the MS (45 units) degrees with an overlap of 16 units in electives.
2. A minimum 2.0 GPA for courses counting towards the bachelor's degree and a minimum 3.0 GPA required for courses counting towards the master's degree.
3. Degrees awarded when requirements for both the bachelor's and the master's degrees are met by the student and recorded by the Registrar's Office.  
Both degrees are awarded in the same quarter.
4. Students who select the Thesis Option must be enrolled during the term that they submit their approved graduate thesis/project to the Library.
5. Students must apply to graduate in the Integrated program (BS and MS) by submitting a Graduation Application to the Registrar's Office. This request should be submitted at least two quarters prior to graduation.
6. Students who fail to complete the requirements for the master's degree, may petition to withdraw from the Integrated Program, if the petition is approved, the bachelor's degree will be granted when all the requirements for that degree are met.

## Electrical Engineering, M.S.

The Master of Science degree in Electrical Engineering at Cal State L.A. is structured to prepare students for advancement in employment with opportunities in design, research, and development, as well as for further study at the doctoral level. Classes are offered year-round on the quarter system to accommodate the needs of working professionals.

### Requirements for the Degree (45 units)

#### Area of Specialization (24-37 units)

Select a minimum of 24 units in 500-level engineering courses; at least 16 units must be selected from the following electrical engineering courses.

- EE 513 - System Analysis and Design (4)
- EE 514 - Systems Risk Analysis (4)
- EE 515 - Systems Performance Analysis (4)
- EE 516 - Systems Architecture (4)
- EE 520 - Advanced Digital Communications I (4)
- EE 521 - Advanced Digital Communications II (4)
- EE 522 - Principles of Signal Compression (4)
- EE 523 - Wireless Communications (4)
- EE 524 - Simulation of Communication Systems (4)
- EE 525 - Optical Communications (4)
- EE 533 - Computer Method in Power Systems (4)
- EE 534 - Power System Stability (4)
- EE 535 - Power System Protective Relaying (4)
- EE 537 - Faulted Power Systems (4)
- EE 544 - Computer Networks and Internets (4)
- EE 545 - Mobile Ad Hoc Networks (4)
- EE 547A - Computer System Architecture I (4)
- EE 547B - Computer System Architecture II (4)
- EE 548 - High Performance Computing (4)
- EE 560 - Linear Systems Analysis (4)
- EE 561 - Stochastic Systems and Estimation (4)
- EE 562 - Advanced Digital Control Systems (4)
- EE 563 - Optimal Control Theory (4)
- EE 585 - Neural Computation (4)

#### Electives in Engineering (0–17 units of 400 or 500-level courses)

#### Elective in related fields (4 units)

MATH 402A (4 units) must be included in these electives unless already completed.

#### Typical courses are:

- MATH 474 - Theory of Probability (4)
- MATH 580 - Real Analysis (4)
- PHYS 426A - Electricity and Magnetism (3)
- PHYS 426B - Electricity and Magnetism (3)
- PHYS 510A - Mathematical Methods of Physics (4)
- PHYS 510B - Mathematical Methods of Physics (4)
- CS 440 - Introduction to Operating Systems (4)
- CS 450 - Foundations of Computer Graphics (5)
- CS 460 - Artificial Intelligence (4)
- CS 488 - Compilers (4)

#### Comprehensive Examination or Thesis (0-4 units)

Students who select the comprehensive examination (EE 596) should expect to take it in the quarter they complete all course work on their program, and must comply with college and departmental requirements. Grade CR/NC.

- EE 596 - Comprehensive Examination (0)
- or
- EE 599 - Thesis (1–4) (4)

## Department of Mechanical Engineering

### DEPARTMENT OFFICE

Engineering and Technology A205

Phone: (323) 343-4490

E-mail: [mechengr@calstatela.edu](mailto:mechengr@calstatela.edu)

Website: <http://www.calstatela.edu/academic/ecst/me/index.htm>

Mechanical engineering, one of the most general branches of engineering, requires broad knowledge in many fields: mechanics, thermal science, design, machinery, instrumentation, and more. The breadth and flexibility of a mechanical engineer's education provide a wide choice of careers and allow movement into a variety of engineering areas.

Mechanical engineers control the production, transmission, and use of power. They design and develop machines that produce and/or use power. Many mechanical engineers are employed in manufacturing. The technical versatility and importance of mechanical engineers are demonstrated by the diversity of industries that employ them.

## The Faculty

**Professors:** Darrell W. Guillaume (*Chair*), Lih-Min Hsia, Samuel E. Landsberger, Adel A. Sharif, Chivey C. Wu.

**Associate Professor:** Arturo Pacheco-Vega, Trinh K Pham.

**Assistant Professor:** Tammy Yut-Ling Chan, Verica Radisavljevic-Gajic.

**Emeriti:** Neda S. Fabris, Stephen F. Felszeghy, Alfred H. Fritz, Phillip I. Gold, Raymond B. Landis, Michael J. Maurer, Majdedin Mirmirani, Richard D. Roberto.

## Programs for this Department:

### Undergraduate Major

- Mechanical Engineering, B.S.
- Mechanical Engineering, Integrated B.S./M.S.

### Graduate Major

- Mechanical Engineering, M.S.



## Mechanical Engineering, B.S.

The mechanical engineering program provides instruction in the basic sciences and in engineering design and analysis. During the junior and senior years, students may choose from a broad spectrum of electives to match individual talents and interests with a career objective. The major areas of course concentration are applied mechanics, machine design, computer-aided engineering, manufacturing, fluids, thermal sciences, and fluid dynamics.

The program leading to the Bachelor of Science degree in Mechanical Engineering is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; Telephone (410) 347-7700. All accredited programs are required to provide the following minimum level of instruction: one year of mathematics and basic sciences; one and one-half years of engineering science and design (engineering topics); and one-half year of humanities and social sciences.

The total number of units required for the Bachelor of Science degree in Mechanical Engineering is 193 units, of which 145 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (145 units)

#### Lower Division Required Courses (67 units)

\* Students may substitute a course in any high-level programming language with department approval.

- CS 290 - Introduction to FORTRAN Programming (2) \*
- CHEM 101† - General Chemistry I (5)
- EE 210 - Electrical Measurements Laboratory (1)
- ENGR 150 - Introduction to Higher Education for Engineers (1)
- ME 103 - Introduction to Mechanical Design (3)
  
- CE 201 - Statics (4) **also listed as**
- ME 201 - Statics (4)
  
- ME 204 - Mechanical Measurements and Instrumentation (4)
  
- CE 205 - Strength of Materials I (4) **also listed as**
- ME 205 - Strength of Materials I (4)
  
- ENGR 207 - Materials Science and Engineering (4)
  
- CE 210 - Matrix Algebra for Engineers (2) **also listed as**
- ME 210 - Matrix Algebra for Engineers (2)
  
- CE 211 - Statistics and Probability for Engineers (2) **also listed as**
- ME 211 - Statistics and Probability for Engineers (2)
  
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)

#### Upper Division Required Courses (53 units)

\*Students are required to take only one of the two courses ME 321 or ME 421. The other one taken will be counted as an elective.

- ENGR 300 - Economics for Engineers (4)
- ENGR 301 - Ethics and Professionalism in Engineering (1)
  
- CE 303 - Fluid Mechanics I (4) **also listed as**
- ME 303 - Fluid Mechanics I (4)
  
- ME 306 - Heat Transfer I (4)
- ME 310 - Mechanical Engineering Writing Laboratory (1)
  
- CE 312 - Strength of Materials Laboratory I (1) **also listed as**
- ME 312 - Strength of Materials Laboratory I (1)

- ME 313 - Fluid Mechanics Laboratory I (1) **also listed as**
- CE 313 - Fluid Mechanics Laboratory I (1)
- ME 315 - Thermal Systems Laboratory I (1)
- CE 320 - Dynamics I (4) **also listed as**
- ME 320 - Dynamics I (4)
- ME 321 - Kinematics of Mechanisms (4) \*
- ME 323 - Machine Design I (4)
- ME 326A - Thermodynamics I (4)
- ME 326B - Thermodynamics II (4)
- ME 327 - Manufacturing Processes (4)
- ME 421 - Dynamics of Mechanisms (4) \*
- ME 497A - Mechanical Engineering Senior Project (4)
- ME 497B - Mechanical Engineering Senior Project (4)
- ME 497C - Mechanical Engineering Senior Project (4)

## Electives (25 units)

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Select at least 24 units from lecture courses and one unit from laboratory courses listed below: Select in consultation with permanent advisor.

### Lecture Courses (24 units)

*\*\*also listed as required*

- EE 481 - Introduction to Robotics (4)
- ME 321 - Kinematics of Mechanisms (4)
- ME 402 - Advanced Mechanics of Materials (4)
- ME 403 - Aerodynamics (4)
- ME 406 - Heat Transfer II (4)
- ME 407 - Design of Thermal Systems (4)
- ME 408 - Fluid Mechanics II (4)
- ME 409 - Mechanical Engineering Analysis (4)
- ME 410 - Control of Mechanical Systems (4)
- ME 411 - Vibrational Analysis I (4)
- ME 414 - Machine Design II (4)
- ME 415 - Air Conditioning (4)
- ME 416 - Energy Systems (4)
- ME 419 - Computer Aided Mechanical Engineering (4)
- ME 421 - Dynamics of Mechanisms (4) \*\*
- ME 422 - Optimization of Mechanical Engineering Systems (4)
- ME 428 - Automation and Computer-Aided Manufacturing (4)
- ME 430 - Properties and Selection of Engineering Materials (4)
- ME 454 - Special Topics in Mechanical Engineering (1-4)
- ME 481 - Introduction to Robotics (4)

### Laboratory Courses (1 units)

- EE 491 - Robotics Laboratory (1)
- ME 412 - Strength of Materials Laboratory II (1)
- ME 413 - Fluid Mechanics Laboratory II (1)
- ME 431 - Material Laboratory (1)
- EE 499 - Undergraduate Directed Study (1-4)

## Mechanical Engineering, Integrated B.S./M.S.

The Integrated BS/MS program in Mechanical Engineering provides an accelerated route for academically excellent upper-division students in the BS degree program to complete the MS degree program while simultaneously completing the BS requirements. The main objectives of the program are:

- To provide an accelerated route to a graduate degree, with simultaneous awarding of both bachelor's and master's degrees.
- To provide a seamless process whereby a limited number of student can progress from undergraduate to graduate status without having to apply through the Admissions Office.

### Program Features

- Simplified application process
- BS and MS coursework can be taken concurrently
- 16 common 400 level elective units between BS and MS programs
- Access to graduate student facilities
- TA appointments (if available)
- The scheduling flexibility provided by the program enables students to complete the BS and MS degrees efficiently.

### Admission to the Integrated BS/MS Program

The eligibility requirements for admission to the Integrated BS/MS program are:

- **Students must have completed of a minimum of 135 quarter units of coursework.**
- **Students must have a minimum GPA of 3.0 in the last 90 quarter units.**
- **Students must have completed the ME foundation required courses (CE/ME 201, CE/ME 205, ENGR 207, CE/ME 303), ME 312, CE/ME 313, ME 320, ME 326A, and ME 327) in the BS degree program with a minimum average GPA of 3.0.**
- **Students must have completed the Graduation Writing Assessment Requirement (GWAR).**

Students are selected by a faculty committee based on prior academic performance and other measures of professional promise.

Applications for the Mechanical Engineering Integrated BS/MS program are only accepted in the fall quarter. Applications must be submitted in advance of the desired starting quarter.

To apply, please submit:

1. Application in word doc format.
2. Two letters of recommendation in word doc format (at least one of which should be from a Mechanical Engineering faculty member).

After review by a faculty committee and if the application is accepted, a Graduate Degree Study Plan will be prepared and approved. The department chair will submit a GS-8 Form to the Registrar's Office to change the degree objective from the BS to the BS/MS Integrated program. The formal degree plan would specify the sixteen units of common electives to be listed on the BS and the MS program.

### Degree Requirements

1. Successful completion of all requirements for the BS (193 units) and the MS (45 units) degrees with all overlap of 16 units in electives.
2. A minimum 2.0 GPA for courses counting towards the bachelor's degree and a minimum 3.0 GPA required for courses counting towards the master's degree.
3. Degrees awarded when requirements for both the bachelor's and the master's degrees are met by the student and recorded by the Registrar's Office. Both degrees are awarded in the same quarter.
4. Students who select the Thesis Option must be enrolled during the term that they submit their approved graduate thesis/project to the Library.
5. Students must apply to graduate in the Integrated Program (BS / MS) by submitting a Graduation Application to the Registrar's Office. This request should be submitted at least two quarters prior to graduation.
6. Students who fail to complete the requirements for the master's degree, may petition to withdraw from the Integrated Program, if the petition is approved, the bachelor's degree will be granted when all the requirements for that degree are met.

## Mechanical Engineering, M.S.



The Master of Science degree in Mechanical Engineering at Cal State L.A. is structured to prepare students for advancement in employment with opportunities in design, research, and development, as well as for further study at the doctoral level. Classes are offered year-round on the quarter system to accommodate the needs of working professionals.

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 24 in 500-level courses. A thesis or comprehensive examination is required.

The advice and approval of the mechanical engineering graduate adviser must be obtained before enrolling in any course. MATH 402A or ME 409 is required of all students who have not already completed these or a comparable course.

### Area of Specialization (24–45 units)

Students must choose in advance a group of courses that fulfills their objectives. Approval of adviser and department chair is required. Suggested groupings of courses that cover programs in thermo-fluid systems design and mechanical systems design are available from the department office.

Select a minimum of 24 units in 500-level engineering courses; at least 16 units must be selected from the following list of mechanical engineering courses:

- ME 501A - Advanced Mechanics of Particles (4)
- ME 501B - Advanced Mechanics of Rigid Bodies (4)
- ME 503 - Design of Mechanical Systems and Products (4)
- ME 504 - Thermal Radiation (4)
- ME 505 - Heat Conduction (4)
- ME 506 - Heat Convection (4)
- ME 508 - Compressible Fluids (4)
- ME 511 - Vibrational Analysis II (4)
- ME 521 - Dynamic Systems Analysis (4)
- ME 522 - Optimal Control of Mechanical Systems (4)
- ME 525 - Computational Fluid Dynamics (4)
- ME 528 - Metalforming Science and Applications (4)
- ME 529 - Machining Science and Applications (4)

### Electives (0–21 units)

Select from 400 and 500-level courses in engineering or related fields, with adviser approval.

### Comprehensive Examination or Thesis (0, 4 units)

Students who select the comprehensive examination (ME 596) should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements.

- ME 596 - Comprehensive Examination (0)  
or
- ME 599 - Thesis (1–4)



## Department of Technology

### DEPARTMENT OFFICE

Engineering and Technology A337

Phone: (323) 343-4550

E-mail: [tech@calstatela.edu](mailto:tech@calstatela.edu)

Website: <http://www.calstatela.edu/academic/ecst/tech/>

The Department of Technology offers four undergraduate programs in areas designed to prepare students for management-oriented careers in aviation, fire safety and prevention, graphic communications, industrial technology and one undergraduate program to prepare technology education teachers. Graduates of these programs are employed in a wide range of careers including supervisors, managers, management representatives, trainers, technical support specialists, analysts, planners, and teachers. The department also offers several upper division certificate programs to provide further technical depth.

## The Faculty

**Professors:** Benjamin L. Lee, Ethan B. Lipton, Paul Liu, Don M. Maurizio, A. Keith Mew, Stephanie Nelson, Virgil A. Seaman, Ray O. Shackelford, Le D. Tang.

**Associate Professors:** David Bleckman, Jai Hong.

**Assistant Professor:** Mauricio Castillo.

**Emeriti:** Cortland C. Doan, Raymond E. Fausel, Gregory S. Graham, Kenneth F. Hird, Pamela D. Jablonsky, John LaMonica, Kenneth Phillips, Kenneth N. Sweetnam, Norwood Teague.

## Programs for this Department:

### Undergraduate Major

- Aviation Administration, B.S.
- Fire Protection Administration and Technology, B.S.
- Graphic Communications, B.S.
- Industrial Technology, B.S.

### Undergraduate Minor

- Industrial Studies Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction
- Undergraduate Certificate Program in Fire Service Administration

### Graduate Major

- Industrial and Technical Studies, M.A.

### Graduate Certificate

- Credit Certificate Programs

### Credential

- Industrial Technology Credential Program

## Aviation Administration, B.S.

   Print this Page

The Bachelor of Science in Aviation Administration requires a total of 180 units including 21 semester units (32 quarter units) of community college work for students who have completed a two-year community college program in airframe and power plant maintenance, air traffic control, air transportation, commercial pilot, travel management, or similar aviation-oriented program.

The lower division program is completed at the community college or other four-year institutions. Students who have not completed lower division general education requirements at the time of entrance to Cal. State L.A. must fulfill these remaining requirements in addition to upper division general education and major requirements. Transfer students must also complete prerequisites to required upper division courses in accounting, economics and finance.

The total number of units required for the Bachelor of Science degree in Aviation Administration is 180 units, of which 104 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Required Courses (56 units)

- TECH 341 - General Aviation Operations and Administration (4)
- TECH 342 - Airline Administration (4)
- TECH 343 - Airport Administration (4)
- TECH 344 - Aviation Law (4)
- TECH 345 - Air Cargo (4)
- TECH 400 - Written Communication Skills for Industrial Technology (4)
- TECH 440 - Safety Factors in Aviation (4)
- TECH 447 - Senior Seminar: Aviation Problems (4)
- CIS 100 - Business Computer Systems (4)
- MKT 304 - Principles of Marketing (4)
- FIN 303 - Business Finance (4)
- ECON 310 - Managerial Economics (4)
- GEOG 457 - Transportation Geography (4)

### Technical Electives (8 units)

Select a minimum of 2 classes of 300 or 400 level courses with prior advisor approval.

- TECH 340 - Airline Operations (4)
- TECH 346 - National Airspace System and Air Traffic Control (4)
- TECH 441 - Aviation Sales (4)
- TECH 442 - Airport Planning (4)
- TECH 443 - Air Transportation (4)
- TECH 446 - Airport Fiscal Administration (4 units)
- TECH 448 - Case Studies in Airline Finance (4 units)

### Options, Concentrations or Special Emphasis

Select as an option 2 classes from one of the following categories; administration, computer application technology, criminal justice, and public administration.

#### Administration Elective

- FIN 305 - Legal and Regulatory Environment of Business II (4)
- FIN 338 - Real Estate Principles (4)
- FIN 339 - Real Estate Practice (4)
- MGMT 306 - Operations Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 485 - Project Management (4)
- MKT 455 - Proseminar: International Transportation (4)

#### Computer Application Technology Elective

- CIS 283 - Introduction to Application Programming with Java (4)
- CIS 301 - Management Information Systems (4)
- CIS 484 - Communications Systems (4)
- GEOG 268 - Introduction to Geospatial Sciences (4)
- TECH 110 - Introduction to Drafting (3)

## Criminal Justice Elective

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- CRIM 126 - Concepts of Criminal Law (4)
- CRIM 303 - Theories and Perspectives in Criminal Justice (4)
- CRIM 365 - Personal Identification Systems (4)
- CRIM 310 - Ethics and Professional Responsibility (4)
- CRIM 409 - Applications of Forensic Science (4)

## Public Administration Elective

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- POLS 403 - State and Local Government (4)
- POLS 460 - Foundations of Public Administration (4)
- POLS 461 - Dynamics of Urban Administration (4)
- POLS 463 - Public Sector Human Resource Management (4)
- POLS 466 - Public Financial Administration (4)
- POLS 472 - Organization and Management (4)

## Fire Protection Administration and Technology, B.S.

[Print this Page](#)

The Bachelor of Science degree in Fire Protection Administration and Technology was designed to meet the needs of various fire services for educational experiences that provide both technical and administrative skills. The curriculum was developed through close consultation with representatives of all levels of the fire services from local groups to state committees and boards.

Required for the degree are 180 quarter units, including applicable lower division preparation at a community college. The major requires a total of 100–108 quarter units. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Required Community College Preparation

A minimum of 15 semester units (23 quarter units) of community college courses is required, as follows (semester units shown):

- Building Construction for Fire Protection (3)
- Fire Company Organization and Management (3)
- Fire Behavior and Control (3)
- Fire Protection Equipment and Systems (3)
- Fundamentals of Fire Prevention (3)

A maximum of 6 semester units (9 quarter units) of community college coursework may be used as lower division electives. Select from the following (semester units shown):

- Fire Apparatus and Equipment (3)
- Fire Hydraulics (3)
- Fire Investigation I (3)
- Fire Service Communications Systems (3)
- Fire Service Records and Reports (3)
- Hazardous Materials I and II (3 each)
- Related Codes and Ordinances (3)
- Rescue Practices (3)
- Wildland Fire Control (3)

### Requirements for the major (100-108 quarter units)

A total of 15–21 semester units (22–32 quarter units) of community college courses may be included in the major program.

The remainder of the major is primarily upper division work, with 68–86 quarter units required beyond the community college preparation. Of these units, a maximum of 12 may be taken in lower division courses.

### Required Courses (52 units)

- BUS 305 - Business Communications (4)
- POLS 403 - State and Local Government (4)
  
- PHIL 415 - Philosophy of Religion (4)  
or
- SOC 415 - Political Sociology (4)
  
- POLS 460 - Foundations of Public Administration (4)
- POLS 463 - Public Sector Human Resource Management (4)
- POLS 466 - Public Financial Administration (4)
- TECH 350 - Fire Protection and the Community (4)
- TECH 351A - Fire Defense Planning (4)
- TECH 351B - Fire Defense Planning (4)
- TECH 352A - Fire Protection Aspects of Building Design (4)
- TECH 352B - Fire Protection Aspects of Building Design (4)
- TECH 353 - Fire Disaster Administration (4)
- TECH 452 - Fire Prevention Administration (4)

### Electives (16–34 units)

Select from following with adviser approval and attention to prerequisites.

Select 8–10 units from following:

- ENGR 300 - Economics for Engineers (4)



- POLS 281 - Quantitative Methods in Political Science (5)  
**or**
- SOC 210 - Elementary Statistics (4)
- POLS 461 - Dynamics of Urban Administration (4)
- POLS 472 - Organization and Management (4)
- POLS 496

**Select 8 units from following:**

- POLS 404 - Urban Government and Politics (4)
- SOC 201 - Principles of Sociology (4)
- SOC 202 - Society and Individual Development (4)
- SOC 420 - Small Groups (4)
- TECH 355 - Fire Protection Laws (4)

**Select 0–16 units from following:**

- TECH 451 - Fire Prevention and Building Codes: Interpretation and Enforcement (4)
- TECH 453A - Fire Protection Systems Design (4)
- TECH 453B - Fire Protection Systems Design (4)

## Graphic Communications, B.S.



The Bachelor of Science in Graphic Communications is designed to provide technical management opportunities for students who have an interest in a career in graphic communications or those employed in the digital media and print industry. It was developed in response to needs identified by this industry and in cooperation with the area community colleges offering two-year graphic communications/printing programs.

The total number of units required for the Bachelor of Science degree in Graphic Communications is 180 units, of which 104 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Admission to the Program

All students must meet the admission requirements of the California State University, Los Angeles. Generally, if a student were in good standing at the last college attended, he/she may be admitted as an undergraduate transfer student.

#### Requirements for the Program (104 units)

A total of 104 units are required with 60 quarter units of required courses, 36 quarter units of technical elective courses in graphic communications, and eight quarter units in emphases.

#### Required Courses (60 units)

- TECH 101 - Industrial Safety for Industrial Education (3)
- TECH 130 - Introduction to Graphic Communications (3)
- TECH 150 - Introduction to Higher Education in Technology (2)
- TECH 231 - Imposition and Electronic Image Assembly (3)
- TECH 232 - Electronic Prepress Systems (3)
- TECH 233 - Presswork Procedures (3)
- TECH 234 - Photo Offset Lithography (3)
- ACCT 210 - Principles of Financial Accounting (4)
- ACCT 211 - Principles of Managerial Accounting (4)
- ECON 201 - Principles of Economics I: Microeconomics (4)
- ECON 202 - Principles of Economics II: Macroeconomics (4)
- FIN 205 - Legal and Regulatory Environment of Business I (4)
- CIS 283 - Introduction to Application Programming with Java (4)
- CIS 100 - Business Computer Systems (4)
- CIS 301 - Management Information Systems (4)
- ACCT 310 - Accounting Information for Decision Making (4)
- TECH 400 - Written Communication Skills for Industrial Technology (4)

#### Technical Electives (36 units)

Select 36 units of courses with prior adviser approval.

- TECH 330 - Graphic Communications Processes and Materials (3)
- TECH 332 - Typography (3)
- TECH 432 - Typographical Layout And Design (3)
- TECH 433A - Printing Estimating (3)
- TECH 433B - Computer Aided Printing Estimating and Job Costing (3)
- TECH 434A - Graphic Communications Production Management I (3)
- TECH 434B - Graphic Communications Production Management II (3)
- TECH 435 - Color Theory, Reproduction, and Management (3)
- TECH 436 - Electronic Publishing Technology and Management (3)
- TECH 437 - Alternative Media Production (3)
- TECH 438 - Image Capture, Processing, and Management (3)
- TECH 439 - Digital Workflow Management (3)
- TECH 454L - Special Topics in Industrial Studies (1-4)
- TECH 490G - Graphic Communication (1-9)

#### Options. Concentrations or Special Emphasis (8 units)

Select two courses from one of the following categories: management, marketing and sales, or digital imaging and document management.

**Management Elective:**

- ECON 303 - Money, Banking, and the Economy (4)
- FIN 303 - Business Finance (4)
- FIN 305 - Legal and Regulatory Environment of Business II (4)
- MGMT 460 - Case Studies in Operations Management (4)
- MGMT 468 - Small Business Management (4)

**Marketing and Sales Elective:**

- MKT 304 - Principles of Marketing (4)
- MKT 341 - Salesmanship (4)
- MKT 346 - Marketing of Services (4)
- MKT 448 - Mail Order/Direct Response Marketing (4)

**Digital Imaging and Document Management Elective:**

- CIS 410 - Hardware and Software Architecture (4)
- CIS 405 - Database Design and Development (4)
- CIS 484 - Communications Systems (4)

# Industrial Technology, B.S.

The total number of units required for the Bachelor of Science degree in Industrial Technology is 180 units, of which 104 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

The Industrial Technology program prepares graduates for careers in industry and education. The Industrial Career Track emphasizes preparation for technical leadership responsibilities within a broad variety of industries including aerospace, communication, manufacturing, transportation and utility services. The areas of course concentration are computer integrated design, internetworking, graphic communications, manufacturing processes and automation and power/energy/transportation. Instruction includes laboratory experiences with a project design centered approach. Graduates of programs in industrial technology are called "technologists" to distinguish them from graduates of programs in engineering. Technologists apply management theory and practice with technical skills to solve problems.

The Technology Education Career Track offers preparation for the Single Subject Teaching credential (Offered through the Charter College of Education) in Industrial Technology Education.

## Requirements for the Major (104 units)

The Bachelor of Science degree in Industrial Technology requires a total of 180 units. The lower division program may be completed at a community college or at another four-year institution. The major requires 104 units including 23 semester units (35 quarter units) of community college work for students who have completed a two year community college program in computer aided design, electronics, manufacturing technology, power/energy/transportation, or a similar technology-oriented program.

Freshmen students (non-transfer) are able to complete the lower division (35 quarter units) by taking the required foundation program.

Students who have not completed Lower Division General Education requirements at the time of entrance to Cal State L.A. must fulfill these remaining requirements in addition to the Upper Division General Education and major requirements.

### Foundation Program (35 units)

Required Courses for first-time freshmen.

- ACCT 202 - Survey of Accounting (4)
- TECH 100 - Introduction to Automotive Mechanisms (3)
- TECH 110 - Introduction to Drafting (3)
- TECH 120 - DC Electronics (3)
- TECH 130 - Introduction to Graphic Communications (3)
- TECH 144 - Introduction to Industrial Design (3)
- TECH 160 - Introduction to Metalworking (3)
- TECH 200 - History of Technology (3)
- TECH 234 - Photo Offset Lithography (3)
- TECH 291 - Computers in Technology (3)
- ART 287\* - Introduction to Photographic Processes (4)

### Prerequisites (8-9 units)

- \* MATH 104A - Precalculus: Algebra (4)
- \* PHYS 156 - Physics for the Twenty-first Century (4)
- or
- \* CHEM 151† - Fundamentals of Chemistry I (5)

**Note:**

*\*These required courses or their equivalents must be taken as part of the General Education Program and are not counted in the units to take for the major.*

### Required Core (38 units)

- TECH 101 - Industrial Safety for Industrial Education (3)
- TECH 150 - Introduction to Higher Education in Technology (2)
- or
- TECH 301 - Transition to Cal State L.A. for Technology Majors (2)
- TECH 305 - Information Literacy for Technologists (2)

- TECH 310 - The Design Process (3)
- TECH 330 - Graphic Communications Processes and Materials (3)
- TECH 360 - Modern Manufacturing (3)
- TECH 370 - Power, Energy and Transportation (3)
- TECH 400 - Written Communication Skills for Industrial Technology (4)
- TECH 421 - Internetworking Technology (4)
- TECH 488 - Fluid Power (3)
- TECH 489 - Industrial Training Methods (4)
- TECH 495 - Practicum in Industrial Technology (4)

## Required Track Courses (19 units)

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Students must choose one of the two tracks listed below and complete one of the five concentrations.

### Industry Track:

- ECON 209 - Applied Business and Economic Statistics I (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- MATH 242 - Mathematics for Business and Economics Majors (4)
- MGMT 306 - Operations Management (4)
- TECH 482 - Metrics for Industry (3)

### Technology Education Track:

- TECH 384 - Foundations of Technology Education (4)
- TECH 491 - Technology Education in the Middle Grades (4)
- TECH 492 - Technology Education in the High School (4)
- TECH 493 - Technology Education Facilities: Planning, Construction, Equipment, and Maintenance (3)
- TECH 494 - Industrial and Technology Education Curriculum (4)

## Required Concentration Courses (12 units)

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Students must choose one concentration area listed below.

### Computer Integrated Design:

- TECH 313 - Product Design and Development (3)
- TECH 315 - Project Design and Document Control (3)
- TECH 411 - Tool Design (3)
- TECH 462 - Digital Manufacturing (3)

### Internetworking:

- TECH 422 - Router Configurations (4)
- TECH 423 - Intermediate Routing and LAN Switching (4)
- TECH 424 - Wide Area Networks (4)

### Graphic Communications:

- TECH 432 - Typographical Layout And Design (3)
- TECH 434A - Graphic Communications Production Management I (3)
- TECH 436 - Electronic Publishing Technology and Management (3)
- TECH 437 - Alternative Media Production (3)

### Manufacturing Processes and Automation:

- TECH 460 - Manufacturing, Materials, and Processes (3)
- TECH 462 - Digital Manufacturing (3)
- TECH 466 - Computer-Aided Manufacturing (3)
- TECH 467 - Emerging Manufacturing Technologies (3)

### Power, Energy and Transportation:

- TECH 470 - Electric, Hybrid and Alternative Fueled Vehicles (3)
- TECH 474 - Power Generation, Distribution and Utilization 3
- TECH 476 - Electronic and Computer Control Systems for Power, Energy and Transportation (3)
- TECH 478 - Emerging Technologies in Power, Energy, and Transportation (3)

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## Industrial Studies Minor

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A minimum of 36 units is required for a minor in Industrial Studies. Included in a typical program for the minor are 3–9 units in lower division courses. However, the number of units may vary according to the selection of an area of concentration and the selection of electives.

### Requirements for the Minor (36 units)

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#### Area of Concentration (24 units)

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At least 24 units are selected from the core and two of the five concentration areas listed for the Industrial Technology major. The normal pattern for an area of concentration consists of the introductory core course and three additional courses in the two concentrations chosen. When needed, select related courses in other areas with approval of adviser.

#### Required Course (4 units)

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- TECH 384 - Foundations of Technology Education (4)

#### Electives (8 units)

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Select additional technology courses, with prior approval of adviser. If a basic college course in drafting has not been taken, TECH 110 is required for 3 of the 8 units.

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## Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction

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The Department of Technology offers an undergraduate credit certificate program in Fire Protection Risk Analysis and Reduction. This program is designed to offer students and individuals in the insurance industry or in private sector fire protection positions a series of professionally related courses in fire protection and fire safety. The courses complement each other and, as a whole, prepare individuals to serve as fire protection and safety specialists, inspectors, evaluators, and managers.

The program contains a total of 32 units of upper division course work. Courses taken to meet requirements of this program may also be applied toward the major in Fire Protection Administration and Technology. Refer to the Undergraduate Study chapter of this catalog for general regulations governing all certificate programs.

An associate level degree (A.A. or A.S.), or its equivalent, in related subjects, or employment in a fire protection-related position is prerequisite to enrollment in the program.

### Requirements for the Certificate (32 units)

#### Required Courses (32 units)

- TECH 352A - Fire Protection Aspects of Building Design (4)
- TECH 352B - Fire Protection Aspects of Building Design (4)
- TECH 451 - Fire Prevention and Building Codes: Interpretation and Enforcement (4)
- TECH 452 - Fire Prevention Administration (4)
- TECH 453A - Fire Protection Systems Design (4)
- TECH 453B - Fire Protection Systems Design (4)
- TECH 455A - Fire Protection of Structural Members and Building Components (4)
- TECH 455B - Fire Protection of Structural Members and Building Components (4)

**Note:**

A fire protection administration program adviser may approve appropriate substitute courses to suit individual student needs.

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## Undergraduate Certificate Program in Fire Service Administration

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The Departments of Technology and Political Science offer an undergraduate credit certificate program in Fire Service Administration. This program is designed to offer fire department personnel who hold an associate degree an opportunity to continue their education. Course work covers effective functioning in modern fire departments: planning, prevention and disaster administration, public administration, and personnel and budgeting administration.

The program contains a total of 32 units of upper division course work: 28 units of required courses and 4 units of electives. Courses taken to meet requirements of this program may also be applied toward the major in Fire Protection Administration and Technology. Refer to the Undergraduate Study chapter of this catalog for general regulations governing all certificate programs.

An associate degree (A.A. or A.S.), or its equivalent in a related subject, or employment in a fire protection-related position is prerequisite to enrollment in the program.

### Requirements for the Certificate (32 units)

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#### Required Courses (28 units)

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- TECH 351A - Fire Defense Planning (4)
- TECH 351B - Fire Defense Planning (4)
- TECH 353 - Fire Disaster Administration (4)
- TECH 452 - Fire Prevention Administration (4)
- POLS 460 - Foundations of Public Administration (4)
- POLS 463 - Public Sector Human Resource Management (4)
- POLS 466 - Public Financial Administration (4)

#### Electives (select 4 units from the following)

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- POLS 403 - State and Local Government (4)
- POLS 404 - Urban Government and Politics (4)
- POLS 461 - Dynamics of Urban Administration (4)
- POLS 462 - Public Policy (4)
- POLS 472 - Organization and Management (4)

**Note:**

A fire protection administration program adviser may approve appropriate substitute courses to suit individual student needs.

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## Industrial and Technical Studies, M.A.



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This program is designed to increase the effectiveness of industry professionals and industrial arts teachers in their professional service area by allowing specialization in two of three areas of interest, as follows:

- *Teaching*: emphasizes advanced subject matter content.
- *Technical*: emphasizes advanced subject matter preparation.
- *Supervision*: emphasizes industrial supervision.

### Admission to the Program

In addition to University requirements for admission to graduate study, applicants must have a baccalaureate in a related field with combined course work and industrial experience acceptable to the department.

#### Requirements for the Degree (45 units)

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A total of 45 units is required, with at least 23 in 500-level courses.

##### Required Courses (13 units)

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- TECH 485 - History, Philosophy, and Organization of Industrial Education (3)
- TECH 487 - Seminar: Comprehensive Career Education for Industrial Studies and Vocational Education (3)
- TECH 502 - Modern Industry (3)
- EDFN 500 - Evaluation of Educational Research (4)

##### Areas of Interest (20–24 units)

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Select two of the following areas and complete 10–12 units in each:

###### Teaching (10–12 units)

With adviser approval, complete TECH 506 (4 units), TECH 583 (4 units), and 2–4 units of technology or education courses to total 10–12 units.

###### Technical (10–12 units)

With adviser approval, complete 10–12 units in 400-level TECH courses; TECH 598 may be included for 3–6 units.

###### Supervision (10–12 units)

With adviser approval, complete TECH 486 (3 units), TECH 505 (4 units), and 3–5 units of technology, business, or education courses to total 10–12 units; may include second enrollment in TECH 486.

##### Additional Electives

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(select 3–7 units in technology and related fields with adviser approval)

##### Thesis or Project (5 units)

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- TECH 599A - Thesis or Project (1–2)
- TECH 599B - Thesis or Project (1–3)



## Credit Certificate Programs

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The Department of Technology offers several credit certificate programs which are open to all students who meet stated prerequisites. These programs are listed with the department's bachelor's degree curricula, above. Regulations governing all certificate programs are found in the Undergraduate Study:General Information chapters.

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## Industrial Technology Credential Program

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## Single Subject Credential

The Bachelor of Science degree in Industrial Technology has been approved by the California Commission on Teacher Credentialing as a subject matter program designed to qualify students for the Single Subject Credential in Industrial and Technology Education. Students should consult advisers in both the department and the Charter College of Education.

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## College of Extended Studies and International Programs (CESIP)

### OFFICE OF THE DEAN

Golden Eagle Building 211  
Phone: (323) 343-4900  
Fax: (323) 343-4954  
E-mail: [extension@calstatela.edu](mailto:extension@calstatela.edu)  
Website: [www.calstatela.edu/extension](http://www.calstatela.edu/extension)

### Administrators:

**Dean:** José L. Galván  
**Assistant Dean:** Justin Cassity  
**Fiscal/Administration:** Christopher Lam  
**Director, International Office:** Amy Wang  
**Director, English Language Program:** Aaron Ostrom

### College Description

The College of Extended Studies and International Programs (CESIP) exists to “extend the reach” of Cal State L.A.’s classes and programs to students not presently a part of the university community. CESIP offers flexible registration, convenient scheduling, and innovative delivery of academic classes as well as professional development and enrichment programs. Our programs extend beyond our borders to international students, extend beyond our campus buildings through online classes, extend into our local communities through academic certificate and degree programs, and extend into the workplace through professional training. We prepare students to extend their own education or professional standing through test preparation and classes for personal enrichment. Finally, our Open University registration process extends to non-matriculated students the opportunity of taking regular university classes, making accessible the university catalog to eligible students. While our reach is broad, our focus is to promote lifelong learning that will enhance our students’ lives – both professionally and personally.

### Mission Statement

The mission of CESIP is to offer a relevant range of learning experiences and professional development opportunities to make available the academic resources of the University to our local, regional, and international communities. Consistent with the goals of the University, the College’s programs meet the changing needs of the multi-ethnic, multi-lingual, and multi-cultural populations that we serve, needs that include professional certification, academic advancement, career training, language learning, test preparation, international travel/study, and personal enrichment.

## Programs and Services

### Open University Enrollment

Open University allows eligible individual to take Cal State L.A. credit classes, on a space-available basis, without being admitted to the University. Approval to enroll in classes is subject to meeting course requirements/prerequisites. To register, individuals must first obtain the instructor’s permission to add the class, and then obtain the academic department office’s approval prior to paying the course fee. Formal admission to Cal State L.A. is not required, but the classes taken through Open University may allow you to earn credits in order to complete a degree, improve your grade point average to enable you, if you have been disqualified, to be reinstated, or apply the earned credits toward a future degree. Open University registration is available each quarter, Fall, Winter, Spring, and Summer.

### Academic Certificate Programs through Open University

Some academic departments admit students to their certificate programs and permit them to complete their coursework through Open University enrollment. For a list of certificate programs offered at Cal State L.A. please visit the relevant section of the University Catalog. Please keep in mind that not all certificates are available through Open University enrollment. Students should meet with an adviser in the department prior to beginning a program.

# Academic Programs Offered through Special Sessions

## **Bachelor of Science in Engineering with an Emphasis in Manufacturing (*Degree Completion, pending approval from WASC*)**

In collaboration with the College of Engineering, Computer Science, and Technology, the Bachelor of Science in Engineering program offers students the ability to complete their degree on the campus of College of the Canyons in Santa Clarita. Instruction is provided by Cal State L.A. faculty.

## **Certificate in Business Management**

Offered in conjunction with the College of Business and Economics, this certificate program provides basic business skills to students with bachelor's degrees in other fields who are interested in management positions. The program consists of seven 4-unit courses which offer the theoretical concepts and quantitative tools fundamental to making business decisions. Students learn the theory and applications of accounting, economics, finance and law, statistics, management, and marketing. Course work completed under this certificate satisfies the prerequisites for the MBA program offered at Cal State L.A. Instruction for the certificate is delivered on the Web via an easy-to-use management system. Some professors may require students to come to campus for the final examination or may require a proctor arranged by the Coordinator.

## **Entry Level Master's Program in Nursing**

Offered in collaboration with the School of Nursing, the ELMN program is a rigorous three-year program for selected non-RN students who hold a bachelor's degree in a field other than nursing. Successful completion of the program leads to a Master of Science degree in Nursing. Students who are selected for the program will be admitted as conditionally classified graduate students and will be required to meet the following conditions prior to becoming a classified graduate student: (a) they must complete a prescribed series of basic nursing courses with an overall GPA of 3.0, over a period of 5 quarters (76 units), which will include the coursework required for the licensing exam, and (b) they must take and pass the California RN licensing exam.

## **Orff Schulwerk Program (Music Education)**

Based on pedagogy employing Carl Orff's music coupled with movement, the Orff Schulwerk Program provides music educators with a curriculum for teaching music through active music-making. This may include singing, movement, instrumental ensemble playing, and use of special instruments. Special topics include multicultural music traditions, folk dance, and storytelling.

## **Three-Summer Master of Music (Choral Conducting)**

Offered in collaboration with the Department of Music and accredited through the National Association of Schools of Music (NASM), the Master of Music (Choral Conducting) is offered over three seven-week summer residency sessions. Each intensive summer session prepares students in the areas of: choral pedagogy, performance practice, and applied vocal/choral training. One week of the program corresponds with the Summer Choral Festival.

## **Academic Advisement**

All academic CESIP offerings are subject to the same policies and procedures in place at the University, without exception. Advisors within the College provide prospective and enrolled students with advisement related to potential program options, registration, and course selection. Staff will provide students with referrals to other offices on campus as necessary. Students are advised to consult with an academic advisor before undertaking any program of study.

# International Services for the Campus

The University's excellent academic programs attract international (visa) students from around the world. The International Office, as part of the CESIP, provides assistance in admission, orientation, and counseling to all international students and scholars, permanent resident alien students, and refugees. Students interested in organizing national or cultural clubs may obtain support and guidance from the International Office. The professional staff offers advising for educational, social, or personal issues. The International Office provides assistance and guidance to students who wish to obtain practical training and maintain compliance with U.S. immigration requirements. The staff treats student concerns with confidentiality. For more information, call (323) 343-3170, or visit [www.calstatela.edu/international](http://www.calstatela.edu/international).

## **Visa and Immigration Support Services**

The International Office provides assistance to visa students, foreign scholars, and foreign faculty with visa issuance (F, H, and J visas, etc.), maintenance of student status, and matters that involve the U.S. Department of Homeland Security. This office also provides assistance to visa students and scholars in their academic and cultural adjustment as well as referrals to area recreational activities.

## **English Language Program**

The English Language Program (ELP) offers intensive English training for students eighteen (18) years of age or older via daily classroom instruction. Classes are scheduled during a 10-week quarter at six proficiency levels. The University Bridge level (sometimes called Level 7) offers academic preparation and access to Open University credit courses. Instruction centers on the language areas of: Reading and Writing; Structure (Grammar);

Speaking; Listening and Pronunciation; and Preparation for the TOEFL exam (Test of English as a Foreign Language). I-20 documents are issued by the ELP office for international students applying for visas. The program is also available to permanent U.S. residents, visiting scholars, and any student on campus wishing to improve language skills in English to succeed in his or her major.

### **Study Abroad Program Options**

Developing intercultural communication skills and international understanding among its students is a vital mission of The California State University (CSU). Since its inception in 1963, CSU International Programs has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 15,000 CSU students have taken advantage of this unique study option. At Cal State L.A., the International Office provides assistance with Study Abroad options in conjunction with the CSU International Programs office.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or special study center abroad. CSU International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 70 recognized universities and institutions of higher education in 20 countries, CSU International Programs also offers a wide selection of study locales and learning environments. International Programs pays all tuition and administrative costs for participating California resident students to a similar extent that such funds would be expended to support similar costs in California. Participants are responsible for all tuition and program fees, personal costs, such as transportation, room and board, and living expenses. Financial aid, with the exception of Federal Work-Study, is available to qualified students.

For additional information, including a listing of destination countries and application materials contact the International Office, (323) 343-3170; [www.calstatela.edu/international](http://www.calstatela.edu/international).

### **Study in L.A. Program**

This unique study abroad program offers students from all corners of the globe the opportunity to experience U.S. university life by enrolling in academic courses for a short-term overseas experience without applying for admission to a Cal State L.A. degree program. International students with advanced English skills can enroll in 12 undergraduate or 8 graduate units of Cal State L.A. courses. Students with English proficiency slightly below the required scores are eligible to enroll in a combination of university courses and intensive English language classes offered through the English Language Program. Approval to enroll in classes is subject to meeting course requirements/prerequisites and other conditions. Credits earned are listed on an official Cal State L.A. transcript and may be transferable to other universities.

## **Extension Programs**

### **Accounting and Tax Seminars**

The Accounting and Tax seminars have a history of over 30 years in presenting current, topical information for tax practitioners, including CPA's, auditors, attorneys, and accounting managers. The seminars are presented by leading practitioners and experts in their respective fields in the format of one-half day, full-day, and five full-day programs. Coursework, offered up to four times per year on 5 consecutive Saturdays, qualifies for the continuing professional education credit (CPE and MCLE) of both the California State Board of Accountancy and the State Bar of California. Topics vary, and are chosen by a professional advisory board, in consultation with the program coordinator, currently Dr. Richard T. Lau, Professor of Accounting at Cal State Los Angeles.

### **Certified Employee Benefit Specialist (CEBS) Certificate Program**

Designed for those seeking a new career path in human resource management, or those working in human resources who are interested in advancing into managerial positions, the Certified Employee Benefits Specialist (CEBS) certification enables professionals to develop new skills and obtain current up-to-date information in the field of human resource management, particularly group benefits, retirement plans or compensation management. Only eight courses are required to obtain the CEBS certification.

### **Certified Financial Planner™ Certification Education Program**

This online, non-credit program meets the educational requirements of professional advisers in the fields of retirement and investment planning to sit for the qualifying CFP Board examination. The program is structured around the student's completion of five modules in the following areas: tax management and strategy, risk management and insurance, investment planning, retirement planning and employee benefits, and principles of estate planning. Satisfactory completion of all five modules (grades of 70% or higher in each) qualifies candidates to receive a non-credit certificate and to sit for the CFP Board Certification examination.

### **EKG Technician Certification Program**

The EKG Technician Certification Program equips students to function as competent EKG technicians and prepares them to take national certifying exams, such as the ASPT – EKG technician exam (given by the American Society of Phlebotomy Technicians). The course combines theory and practice, covering important background on the anatomy and physiology of the heart and chest, on heart disease and disease processes, on medical terminology, and on the legal and ethical aspects of patient contact. The program provides practical and hands-on experience in the use and placement of the EKG machine and other equipment, and in reading and analyzing EKG printouts to determine 'cardiac intervals and complexes' and normal vs. abnormal readings.

### **Legal Interpretation and Translation Certificate Program**

The program trains bilingual students for the profession of certified court interpreter, a profession much in demand given the linguistic diversity of the state of California. Cal State L.A.'s unique program can also prepare qualified students for a career as a certified translator or interpreter for any industry that needs to serve individuals with limited English skills, including government agencies, corporations, hospitals and telecoms. Finally, bilingual persons already employed in another capacity can increase their skills and their remuneration with formal interpreting certification from an accredited university. The program consists of seven, 4-unit, courses (28 non-degree credit units in all).

### **Paralegal Studies Certificate Program**

The Paralegal Studies Certificate Program strives to produce competent, well-rounded paralegals who communicate effectively, demonstrate professional skills, and have the training and experience to assist attorneys effectively in a variety of legal practice settings. "A paralegal is a person employed by a law office, corporate legal department, or public entity to carry out specifically delegated, substantive legal work under the supervision of an attorney. A paralegal is not an attorney and may not give legal advice, accept cases, argue in court, or set fees." The program has been ABA-approved since 1978, making it one of the first programs in California in a university setting. A successful student must complete eight courses (equivalent to 32 non-credit quarter units), earning a minimum grade of "C" in each, to receive a certificate of completion in a particular track. Students may pursue multiple tracks by substituting or replacing up to 2 courses (no more than 8 units) between tracks.

### **Pharmacy Technician Certification Program**

The Pharmacy Technician Certification Program is a comprehensive, 50 hour course that prepares students to assist a licensed Pharmacist in a pharmacy, and also prepares them to take the Pharmacy Technician Certification Board exam (the PTCB exam). The program covers areas such as medical terminology (specific to the pharmacy), reading and interpreting prescriptions, and defining drugs by their generic and brand names. Students also learn dosage calculations, I.V. flow rates, drug compounding, dose conversions, dispensing of prescriptions, inventory control, and billing and reimbursement.

### **Test Preparation**

The College offers a number of courses designed to prepare students for standardized tests in business, education, engineering, and medicine. Current offerings include the CBEST California Basic Education Skills Test; CSET (California Subjects Exam for Teachers); GMAT (Graduate Management Admission Test); GRE (Graduate Record Exam); EIT (Engineer in Training); PE/EE (Professional Engineer in Electrical Engineering); MCAT (Medical College Admission Test); and RICA (Reading Instruction Competence Assessment).

## College of Health and Human Services

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### OFFICE OF THE DEAN

Fine Arts 130

Phone: (323) 343-4600

FAX: (323) 343-5598

Website: [www.calstatela.edu/academic/hhs/](http://www.calstatela.edu/academic/hhs/)

## Administrators:

**Dean:** Beatrice Yorker

**Associate Dean:** Eleanor Ferguson-Marshalleck

**Financial Manager:** Luz Solis

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The College of Health and Human Services is committed to educating and preparing human services professionals to become innovative practitioners and leaders. The College promotes the integration of teaching, research, policy, and public service in an interdisciplinary context. Knowledge, skill, and caring provide the foundation for educating a diverse workforce of the future that effectively serves multicultural urban communities from a local and global perspective. The College strives to be student-centered, faculty and staff-focused, and community-minded.

The academic units within the College are:

- The Department of Child and Family Studies
- The Department of Communication Disorders
- The School of Criminal Justice and Criminalistics
- The Department of Public Health
- The School of Kinesiology and Nutritional Science
- The School of Nursing
- The School of Social Work

Academic programs that are available in these departments and schools include audiology, child development, community health, community leadership, criminal justice, criminalistics, dietetics, exercise science, family studies, food science and technology, forensic mental health, kinesiology, nursing (including advanced practice), nutritional science, physical education, social work, and speech-language pathology.

The College is also home to the Applied Gerontology Institute, which focuses on aging issues and reaches out to multiethnic and multicultural populations within the Greater Los Angeles community, and the California Forensic Science Institute, which serves as the academic, research and development arm for the Los Angeles Regional Crime Laboratory partnership through promoting career education, in-service training and research to bridge the gap between scientific advances and forensic services. The College also has a Child Abuse and Family Violence Institute and offers a Youth Agency Administration program. In addition to the College-based certificate programs, academic programs within the College offer certificates in areas such as alcohol and drug problems specialist, food safety, food science, law enforcement leadership, nurse practitioner specialties, parent educator and sports nutrition.

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## Undergraduate Programs

### Certificate Programs

The three credit certificate programs listed below are interdisciplinary in nature and are open to interested students in all majors throughout the campus. These programs are administered by the College of Health and Human Services.

### Certificate Programs

The Applied Gerontology credit certificate, offered by the College of Health and Human Services through the Applied Gerontology Institute, contains course work in social work and is available to both social work majors and others. The school also offers course work applicable toward the



## Programs for this School/College:

### Undergraduate Certificate

- Undergraduate Certificate Program in Applied Gerontology
  - Applied Gerontology, Undergraduate, Certificate
- Undergraduate Certificate Program in Child Maltreatment and Family Violence

### Undergraduate Minor

Minor in Developmental Disabilities

### Graduate Certificate

- Graduate Certificate Program in Applied Gerontology

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# Undergraduate Certificate Program in Applied Gerontology

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The Applied Gerontology undergraduate credit certificate, offered by the College of Health and Human Services through the Applied Gerontology Institute, contains course work in social work and is available to both social work majors and others. The school also offers course work applicable toward the interdisciplinary credit certificate in Child Maltreatment and Family Violence offered by the College of Health and Human Services.

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## Applied Gerontology, Undergraduate, Certificate

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The College of Health and Human Services through the Applied Gerontology Institute offers a credit certificate program in Applied Gerontology designed to enhance the preparation of individuals interested in health and human service disciplines to increase their knowledge, skills, and effectiveness as practitioners with older populations, particularly the multiethnic and multiracial elderly. The program is designed for a wide range of students including those seeking a career change and those in the field seeking to enhance their promotional opportunities. A total of 28 units is required, including 16 units of core courses, 4 units of field experience, and 8 units of electives.

Admission to the program requires upper division standing (*completion of 90 quarter units*) and the consent of a faculty adviser in the student's major department or school (or the coordinator of the certificate program for students whose major is undeclared).

### Requirements for the Certificate (28 units)

#### Required Core Courses (16 units)

- BIOL 384N - Biology of Human Aging (4)
- SOC 323 - Socialization: Maturity and Aging (4)  
or
- SOC 450 - Sociology of Aging (4)  
or
- PSY 362 - Psychological and Psychosocial Developmental Stages in Maturity and Aging (4)
- SW 450 - Crosscultural Practice with Aging Populations (4)
- SW 465 - Programs and Policies Related to the Elderly (4)

#### Required Field Experience/Internship (4 units)

*(Three units fieldwork; one unit seminar)*

Placement is arranged for each discipline through the offering school/department or division. Students in colleges other than Health and Human Services will arrange field experience with their major adviser and the certificate program coordinator, as appropriate.

#### Electives

Select 8 units from following with the Certificate adviser approval

- COUN 400B - Lifespan Human Development (4)
- NURS 346 - Family Nursing (3)
- \* PSY 362 - Psychological and Psychosocial Developmental Stages in Maturity and Aging (4)
- SW 371 B - Human Behavior and the Social Environment: Late Adolescence Through Old Age (4)
- NTRS 451 - Nutrition and Aging (4)  
\* *If not taken in the core*

#### Note:

Or other gerontology related courses including all Theme F Courses (

ANTH 335, NTRS 351, KIN 345, 438A, 440, POLS 330, ENGL 383, ML 382, PHIL 373, RELS 325).

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## Minor in Developmental Disabilities



Developmental disabilities encompass a broad spectrum of disabling conditions that can profoundly diminish the quality of life of those impacted. A well prepared workforce is critical to ensure that those who contend with a disabling challenge receive support such that daily life can be meaningful and purposeful.

The minor in Developmental Disabilities is intended to prepare students for careers working within the delivery system established to provide service to children and youth who are disabled, including aspects related to service delivery, program management/leadership, and advocacy. As a minor program, it will complement major degree programs by offering content and experiences specific to entering the developmental disabilities workforce.

### Admission to the Minor Program

Applicants who meet the specified prerequisites and are currently enrolled in other majors are eligible to enroll in the Developmental Disabilities minor. Other requirements include filing an official program of study for the minor approved by the academic advisor and College of Health and Human Services. For further information, contact the College of Health and Human Services office at (323) 343-4600.

### Requirements for the Minor (31-32 units)

#### Required Core (11-12 units)

- PSY 160 - Psychology of the Developing Person (4)
- EDSP 400 - Foundations of Special Education (4)
- HHS 310 - Historical and Social Context of Disability (4) **or**
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)

### Required Courses in Foundations of Program Delivery, Management and Advocacy (12 units)

Select one course from each of the following three areas:

#### Policy/Leadership/Professional and Cultural Competencies

- COMD 457 - Communicating with Abused Children and Violent Families (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- PH 440 - Health Care Delivery System (4)
- PH 446 - Critical Issues in Health Policy (4)
- POLS 460 - Foundations of Public Administration (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)
- SW 362 - From Institutional Racism to Cultural Competency (4)
- SW 478 - Social Welfare Policy and Social Services (4)

#### Broad Themes/Theory

- CHDV 350 - Social and Emotional Development (4)
- CHDV 454L - Special Topics in Child Development (1-4)
- CHDV 343 - Child and Adolescent Cognition (4) **also listed as**
- PSY 343 - Child and Adolescent Cognition (4)
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- PH 410 - Theory and Principles of Public Health (4)
- PH 447 - Vulnerable Populations (4)
- NTRS 413 - Maternal and Child Nutrition (4)
- NTRS 416 - Child Nutrition (4)
- NURS 496 - Nursing Case Management for Vulnerable Populations (2)
- PSY 310 - Abnormal Psychology I (4)
- PSY 428 - Introduction to Analysis of Behavior (4)
- PSY 435 - Behavior Analysis & Treatment of Developmental Disabilities (4)
- PSY 465 - Multicultural Psychology: Current Issues and Research (4)
- SW 371A - Human Behavior and the Social Environment: Prenatal Through Early Adolescence (4)
- SW 476 - Child Welfare (4)

#### Impairment Specific/Depth Area

- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- COUN 442 - Medical Factors in Rehabilitation (3)

- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- KIN 425 - Dimensions of Kinesiology for Individuals with Disabilities (4)
- KIN 436A - Principles of Mobility Training (4)
- KIN 480B - Clinical Field Experiences in Adapted Physical Education (1)
- NURS 440 - Psychiatric and Mental Health Nursing (3)
- PSY 307 - Physiology and Psychology of Violence and Aggression (4)
- SOC 425 - Medical Sociology (4)
- SOC 427 - Society and Mental Illness (4)

## **Practicum/Internship (8 units)**

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- HHS 311 - Clinical and Community Services for Individuals with Neurodevelopmental Disabilities (4)
- HHS 312 - Internship in Developmental Disabilities (4)

## Graduate Certificate Program in Applied Gerontology



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The College of Health and Human Services through the Applied Gerontology Institute offers a graduate certificate program in Applied Gerontology designed to prepare professionals to work in the field of aging in a variety of settings, depending on the student's professional discipline and career goals. Graduates of the program will be prepared to assume leadership positions in the development and delivery of services to the elderly and their families, in the planning and evaluation of services, in the administration of programs, and in the instruction of older adults and service providers. The certificate can be earned concurrently with a graduate degree or earned independently by those students who have completed a bachelor's or other advanced degree. A total of 24 units is required: 20 units of required courses, that include 4 units of field practicum, and 4 units of elective.

Admission to the program requires a baccalaureate degree from an accredited institution with a G.P.A. of 2.75 or above during the last 90 quarter units of their program. Students currently enrolled in a graduate program at CSULA and in good standing (3.0 average on graduate program) will be eligible for admission to the program.

### Requirements for the Certificate (24 Units)

#### Required Core Courses (20 Units)

- HHS 500 - Seminar: Interdisciplinary Seminar in Gerontology (4)
- BIOL 535 - Seminar: Biology of Human Aging (4)
- MGMT 576 - Seminar: Managing Health Care Organizations (4)
- SW 576 - Policy and Service/Applications: Aging and Families (4)  
(*Social Work majors only*)
- or
- POLS 587 - Seminar: Aging Policy, Politics, and Administration (4)
- HHS 595 - Field Practicum in Health and Human Services (4)

#### Electives (4 Units)

With approval of the certificate program adviser, select 4 units from the following:

- NTRS 451 - Nutrition and Aging (4)
- POLS 587 - Seminar: Aging Policy, Politics, and Administration (4) \*
- POLS 583 - Seminar: Health Politics and Policy (4)
- PSY 462 - Psychology of Human Development: Maturity and Aging (4)
- SOC 450 - Sociology of Aging (4)
- SOC 452 - Life Span Transitions: The Retirement Years (4)
- SOC 453 - Social Aspects of Death and Bereavement (4)
- SW 450 - Crosscultural Practice with Aging Populations (4)  
*\*If not taken in the core*

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Applied Gerontology

**Occupations that this certificate program prepares students to enter:**

-Social and Human Service Assistants; SOC Code 21-1093;

[www.onetonline.org/link/summary/21-1093.00](http://www.onetonline.org/link/summary/21-1093.00)

-Personal and Home Care Aides; SOC Code 39-9021;

[www.onetonline.org/link/summary/39-9021.00](http://www.onetonline.org/link/summary/39-9021.00)

-Home Health Aides; SOC Code 31-1011;

[www.onetonline.org/link/summary/31-1011.00](http://www.onetonline.org/link/summary/31-1011.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (three quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$5576

Books and Supplies: \$1638

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Department of Child and Family Studies

### DEPARTMENT OFFICE

Engineering and Technology A535

Marlene Zepeda, Chair

Phone: (323) 343-4590

E-mail: [cfsdept@calstatela.edu](mailto:cfsdept@calstatela.edu)

Website: [www.calstatela.edu/academic/hhs/cfs/](http://www.calstatela.edu/academic/hhs/cfs/)

The Department of Child and Family Studies prepares individuals to understand the relationship between theory, research and practice and to apply this knowledge to issues in child and family studies. Students are prepared to think critically about child and family developmental processes by identifying relevant issues, developing practical solutions and applying and disseminating knowledge. The department prepares professionals in the discipline who seek to improve the quality of life for individuals, children and families.

Child Development, the empirical study of the growth and development of the individual from birth through adolescence, provides a foundation of understanding and skill for students interested in professional careers related to working with children and families. It prepares students for advanced study of child and family development as well as for professional education courses leading to the Multiple Subject teaching credential and Special Education credentials.

Students with a background in child and family development are able to pursue professional opportunities in many fields including elementary school teaching, working with children in hospitals; developing social and educational programs outside of schools; working with parents; production of children's films, books, and magazines; educational television; children's toys and educational software; and child advocacy at local, state, and national levels.

## The Faculty

**Professor:** Rita Ledesma (Chair), Marlene Zepeda.

**Associate Professor:** Yafen Lo, Edward Lopez.

**Assistant Professors:** Raquel Delevi, Allison Fuligni, Claudia Kouyoumdjian, Simona Montanari.

## Departmental Honors Program

The child development major includes an honors program for students who have completed at least 16 upper division units in the Child Development core, maintained a minimum 3.5 grade point average, passed the Graduation Writing Assessment Requirement, and are recommended and approved by the Child and Family Studies advisers. Applications are available in the Child and Family Studies office E & T 535.

## Certificate Program

The Child Development degree offers course work acceptable toward fulfillment of requirements for the interdisciplinary credit certificate program in Child Maltreatment and Family Violence offered by the College of Health and Human Services. Please contact the department office for further information.

## Certificate Program for Parent Educators

The program is designed to help individuals from varied backgrounds master the skills necessary to be qualified parent educators. Please contact the department office for further information. This certificate program is also available through the College of Extended Studies and International Programs, (323) 343-4900, for nonmatriculated students.

## Programs for this Department:

### Undergraduate Major

- Child Development, B.A.

### Undergraduate Minor

- Child Development Minor

### Graduate Major

- Child Development, M.A.

## Child Development, B.A.

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The Bachelor of Arts Degree in Child Development includes a choice of Two Options: Option I, which prepares students to work as administrators in preschools, day care centers or youth agencies or to gain entry into careers with children and families such as Child Life Specialist or Certified Family Life Educator; or, Option II, Elementary Subject Matter Teacher Preparation Program for the California Multiple Subject Teaching Credential. Students may elect to use Option II to complete the undergraduate degree program simultaneously with requirements for either a California Multiple Subject Teaching or Special Education Internship Credential.

The total number of units required for the Bachelor of Arts degree in Child Development, Option I, General Option, is 180, of which 101-104 units are in the major depending on specialization selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

The total number of units required for the Bachelor of Arts degree in Child Development, Option II, Elementary Subject Matter Teacher Preparation, is 102.

Students entering the program should plan their course work with a Child and Family Studies adviser. Students seeking a credential should also consult the Charter College of Education. Current information is available in the Child and Family Studies Office and on the Department's web page.

### Admission to the Program

There are two pathways for admission to the program, one for matriculated students and one for transfers.

Matriculated students seeking admission as Child Development majors must first be accepted as pre-Child Development majors. They may apply for admission to the Child Development major following completion of at least 48 of the 60 units required in General Education courses. Furthermore, they must complete the following courses in the major with a grade of "C" or better before admission to the program: CHDV 140, CHDV 200, CHDV 210 and CHDV 220. Child Development courses with less than a "C" grade can only be repeated once. A GPA of 2.5 or higher is required for admission.

Students who transfer into CSULA seeking admission to the Child Development major are required to have completed all the General Education courses required for transfer. A grade of "C" or better is required in all transferable child development coursework and a cumulative GPA of 2.5 or higher is required for admission.

Students entering the program should plan their course work with a Child and Family Studies adviser. Students seeking a credential should also consult the Charter College of Education. Current information is available in the Child and Family studies office and on the department's web page.

### Departmental Honors Program

The child development major includes an honors program for students who have completed at least 16 upper division units in the Child Development core, maintained a minimum 3.5 grade point average, passed the Graduation Writing Assessment Requirement, and are recommended and approved by the Child and Family Studies advisers. Applications are available in the Child and Family Studies office E & T 535.

#### Requirements for the Major (101-104 units)

Option I, the General Option, requires a core of 80 units of lower and upper division courses plus an area of specialization. The Early Childhood Program Administration Specialization requires an additional 24 units; the Youth Agency Administration Specialization requires an additional 24 units; and the Child Life/Hospitalized Child Specialization requires an additional 21 units. Option I requires a total of 180 units for completion.

Option II, Elementary Subject Matter Teacher Preparation Option, requires completion of 60 units of General Education at the lower division, 12 units at the upper division and 6 units of graduation requirements (i.e., ENGL 102 and either the Introduction to Higher Education, HHS 101, or Transition to Cal State, L.A. course, HHS 301). It also requires 60 units in the major with the remaining 42 units as recommended electives for preparation for the CSET examination. Students who pass the CSET exam will have the option of taking other coursework, which may include courses required for a Multiple Subject or Education Specialist Credential. Students interested in incorporating credential coursework as part of their baccalaureate in order to secure a California Multiple Subject Teaching or Special Education Internship Credential should consult with advisers in both the department of Child and Family Studies and in the Division of Curriculum and Instruction. Information regarding credential programs may be found in the Charter College of Education section in the Academic Programs: College-Based and University-Wide chapter for the regulations governing all Teacher Credential Programs.

Students should plan their programs with careful attention to prerequisites for upper division courses. Some courses that meet General Education requirements are included in the core for Option I. Students in this option should complete these requirements and other general education requirements before proceeding with the major. Students in Option II are subject to the standard General Education requirements, some of which



may also be used to prepare for the CSET.

A grade of C or better is required in all courses in the General Option major and in all courses used to meet the major requirements for the Elementary Subject Matter Teacher Preparation Option.

## Options

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### Option I: General Option (101-104 units)

#### Core Requirements (80 units)

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- CHDV 120 - Intimate Relationships in Our Diverse Society (4) +  
**also listed as**
- SOC 120 - Intimate Relationships in Our Diverse Society (4) +
  
- CHDV 140 - Child Development (4) +
- CHDV 200 - Techniques for the Study of Children (4)
- CHDV 210 - Infant Development (4)
  
- CHDV 220 - The Young Child (4)
- CHDV 340 - Middle Childhood and Adolescence (4)  
**or**
- CHDV 250 - Child, Family, and Community (4)
  
- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4) \*
  
  
- CHDV 225 - Ethnic Identity and Awareness in Children and Families (4)  
**or**
- CHDV 321 - Urban Families: Contemporary Issues (4)
  
- CHDV 424 - Relationship Dissolution, Stepfamilies and Children (4)  
**or**
- CHDV 454L - Special Topics in Child Development (1-4) **(4 units)**
  
- CHDV 430 - Parent-Child Development Over the Family Life Cycle (4)
- CHDV 443 - Psychology of Cognitive Development (4)
- CHDV 493 - Second Language Acquisition in Childhood (4)
  
- CHDV 496 - Senior Seminar (4)  
**or**
- CHDV 497 - Senior Honors Thesis (4) \*\*
  
- CHDV 492 - Development of Verbal Behavior in Childhood (4) **also listed as**
- COMD 456 - Development of Verbal Behavior in Childhood (4)
  
- EDFN 452 - Statistics in Education (4)  
**or**
- HHS 400 - Statistics in Health and Human Services (4) (4)
  
- CHDV 344 - Family Resource Management (4)
- CHDV 433 - Approaches to Parent Education (4)
- CHDV 444 - Family Life Education Methodology and Professionalism (4)
- CHDV 470 - The Family and the Law (4)
- PH 455 - Sex Information for Health Education (4)

#### Note:

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+ Indicates course meets GE requirement.

\* Students following specialization C should take SW 476.

\*\*Open to Honors Program participants only.

#### Areas of Specialization (21-24 units)

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### A. Early Childhood Program Administration (24 units)

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- CHDV 230 - Program Design in Early Childhood (4)
- CHDV 222 - Administration of Preschool and Day Care Programs (4)
- CHDV 228 - Administrative Leadership in Early Childhood Programs (4)
- CHDV 495 - Directed Field Experience (4)
- EDSP 400 - Foundations of Special Education (4)  
**or**
- EDSP 416 - Working with Families of Young Handicapped Children (4)

**Select one 4-unit course from the following list:**

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- EDEL 473 - Storytelling for Teachers (4)
- ENGL 430 - Children's Literature (4)
- COMM 490 - Studies in Children's Speech Arts (4)
- ART 435\* - Exploring the Arts in Early Childhood (4)
- EDEL 432 - Teaching Mathematics for Early Childhood (4)

**B. Youth Agency Administration (24 units)**

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With careful planning, students can earn the credit certificate in Youth Agency Administration concurrently with this specialization. Interested students should contact the Youth Agency Administration Director, PE 237 (323) 343-4580. The certificate program is described in the section entitled *Youth Agency Administration*.

**Required Core (16 units)**

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- SW 370 - Field of Social Work (4)
- YAA 290 - Introduction to Youth Agency Administration (4)
- POLS 467 - The Third Sector and Nonprofit Organizations (4) **also listed as**
- YAA 467 - The Third Sector and Nonprofit Organizations (4)
- YAA 490 - Volunteer Management and Fund-Raising (4)

**Required Courses in Related Field (4 units)**

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Select one course from each of the following:

**Organizational, Personnel and Fiscal Management**

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- ACCT 202 - Survey of Accounting (4)
- KIN 422 - Community Service Learning and Physical Activity Programs (4)
- POLS 466 - Public Financial Administration (4)
- POLS 472 - Organization and Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 469 - Training and Development (4)
- MGMT 485 - Project Management (4)
- \* SW 475 - Social Work Practice III: Working with Groups (4)  
\*Prerequisite: SW 372

**Required Internship (4 units)**

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Students must complete the following:

- YAA 495 - Directed Field Experience (4)

**C. Child Life / Hospitalized Child (21 units)**

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- PSY 410 - Abnormal Psychology II (4)
- CHDV 426 - Hospitalized Child/Child Life Program (5)
- EDSP 400 - Foundations of Special Education (4)
- NTRS 416 - Child Nutrition (4)
- CHDV 480 - Loss and Grief within a Family Context (4)

**Option II: Elementary Subject Matter Teacher Preparation Option (180 units, of which 102 are in the major)**

Option II, the Elementary Subject Matter Teacher Preparation Program requires completion of 60 units of general education at the lower division, 12 units at the upper division and 6 units of graduation requirements (i.e., ENGL 102 and either the Introduction to Higher Education or Transition to Cal State L.A. course). It also requires 60 units in the major with the remaining 42 units as recommended electives for preparation for the California Subject Examinations for Teachers (CSET) examination. Students who pass the CSET exam will have the option of taking other coursework.

Major courses (60 units)

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**Breadth Area (28 units)**

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- CHDV 140 - Child Development (4)

- CHDV 200 - Techniques for the Study of Children (4)
- CHDV 210 - Infant Development (4)
- CHDV 220 - The Young Child (4)
- CHDV 340 - Middle Childhood and Adolescence (4)
- CHDV 350 - Social and Emotional Development (4)
- HHS 400 - Statistics in Health and Human Services (4) (4)

### Depth Area (32 units)

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- CHDV 225 - Ethnic Identity and Awareness in Children and Families (4)
  - CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
  - CHDV 424 - Relationship Dissolution, Stepfamilies and Children (4)
  - CHDV 430 - Parent-Child Development Over the Family Life Cycle (4)
  - CHDV 443 - Psychology of Cognitive Development (4)
  - CHDV 492 - Development of Verbal Behavior in Childhood (4) **also listed as**
  - COMD 456 - Development of Verbal Behavior in Childhood (4)
  - CHDV 493 - Second Language Acquisition in Childhood (4)
  - CHDV 496 - Senior Seminar (4)
  - **or**
  - CHDV 497 - Senior Honors Thesis (4) \*\*
- \*\*Open to honors program participants only*

### Option II prepares prospective teachers for grades K-8.

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Since passing the California Subject Examination for Teachers (CSET) is a prerequisite for a teaching credential, students in Option II are expected to prepare for and take the three portions of the CSET: Multiple Subjects at their earliest convenience and report their results to a Child Development advisor. Based on the CSET results and students' previous coursework, advisors will recommend directed elective courses to help students prepare for any sections of the CSET that have not been passed. A grade of C or higher is required in all courses used to meet the major requirements for the Elementary Subject Matter Teacher Preparation Option.

Students who select Option II must complete the following coursework for a total of 180 units: 72 units of General Education Requirements, 6-8 units of University Requirements (i.e., ENGL 102 and either the Introduction to Higher Education or Transition to Cal State, L.A. course), 60 units in the major, 40 to 42 units of directed electives from advisor recommended courses (provided the CSET has been passed) or from advisor recommended Elementary Subject Matter courses (if the CSET has not been passed).

Students who pass all sections of the CSET examination may elect to use professional education courses to complete their BA degree. These courses can be applied towards the completion of a multiple subjects teaching credential.

#### A: Multiple Subjects CSET Preparation Courses

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### 1. Reading, Language and Literature; History and Social Science (CSET Subtest 1)

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- HIST 488 - California (4)
- **or**
- CHS 443 - History of the Chicano People in California (4)
- ENGL 207 - Beginning Creative Writing (4)
- ENGL 301 - Introduction to Language (4)
- ENGL 430 - Children's Literature (4)
- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)

### 2. Science and Mathematics (CSET Subtest II)

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- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- BIOL 180 - Life Science for Elementary Teachers (4)
- NATS 180 - Motion and Energy for Elementary Teachers (3)
- NATS 181 - Structure and Properties of Matter for Elementary Teachers (3)
- NATS 182 - Topics in Space Science for Elementary Teachers (2)
- NATS 183 - Earth Science for Elementary Teachers (4)

### 3. Physical Education, Human Development, Visual and Performing Arts (CSET Subtest III)

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- ART 400\* - Elementary Classroom Visual Art (3)
- MUS 400 - Elementary Classroom Music (3)
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- **or**

- TA 400 - Creative Drama for the Elementary Classroom (3)
- KIN 420 - Development of Physical Activity (3)
- CHDV 140 - Child Development (4)
- CHDV 343 - Child and Adolescent Cognition (4)
- **or**
- SOC 322 - Socialization: Childhood and Adolescence (4)
- CHDV 350 - Social and Emotional Development (4)
- PH 457 - Health Education for Elementary School Teachers (1)

#### 4. Multiple Subjects CSET Review Course

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- EDEL 490 - Problems in Elementary Education (2–5)  
(May be taken up to three times for credit)

#### Professional Education Courses (46 units)

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A minimum GPA of 2.75 in the last 90 quarter units is required for enrollment in EDCI 300 or EDSP 300. See catalog, "Multiple Subject Credential" or "Education Specialist Credential," for additional pre-requisites. An overall 3.0 GPA must be attained in all professional education courses with a minimum grade of "C" in each course. Students should see both a major adviser and a Multiple Subject or Special Education Credential adviser regarding completion of the degree and other credential requirements.

#### B. Multiple Subject Teaching Credential Courses (46 units)

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These courses are for a Multiple Subject (Elementary Education) Teaching Credential.

#### Required Prerequisite Courses (2 units)

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- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)

##### Complete the following:

- EDFN 420 - Introduction to Foundations of Urban Learning (2)  
*(It is recommended that this course be taken during Block One.)*
- EDSP 400 - Foundations of Special Education (4)  
*(it is recommended that this course be taken prior to Block Three.)*
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
*(Prerequisite for EDEL 417)*

#### Block One (must be completed before Block Two)

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- EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

#### Block Two (must be completed before Block Three)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)

#### Block Three (must be completed before Block Four)

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- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)

#### Directed Teaching Credential Requirements (12 units)

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Block Four (must attend a mandatory directed teaching meeting prior to enrolling in these courses.)

- EDEL 403 - Directed Teaching: Multiple Subject (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

#### C. Education Specialist Courses (46 units)

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Completion of these courses and passage of the CBEST qualify students to be eligible for a Special Education Internship Credential with verification of employment from a cooperating school district. For a Preliminary Education Specialist Credential, students must complete the additional credential coursework in their area of specialization (i.e., mild/moderate disabilities, moderate/severe disabilities, physical and health impairments or visual impairments). Students must consult with a Special Education adviser for specific program requirements.

**Complete the following:**

---

- EDSP 300 - Introduction to Special Education (4)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- EDSP 400 - Foundations of Special Education (4)
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
(Prerequisite for EDEL 417)
  
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 407 - Directed Teaching in Special Education (3–12)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDIT 430 - Information Technologies in the Classroom (4)  
or equivalent

**Internship Emphasis Requirement: Specialization (8)**

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Complete 8 units of appropriate work in the selected area of specialization.

**Mild-to-Moderate Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)

**Moderate-to-Severe Disabilities**

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)

**Physical and Health Impairments**

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- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 460 - Implications of Physical and Health Impairments (4)

**Visual Impairment and Blindness**

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- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)

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## Child Development Minor

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The minor in Child Development provides a foundation for students majoring in other disciplines who wish to increase their understanding and knowledge about child and family development. Students pursuing careers in family law, health, media services, nursing, psychology, speech, or urban studies, among others would find this minor useful for their careers. A total of 36 units is required for this minor. Prerequisites are required for some courses; students should consult with an adviser.

### Requirements for the Minor (36 units)

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#### Required courses (32 units)

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- CHDV 140 - Child Development (4)
- CHDV 200 - Techniques for the Study of Children (4)
- CHDV 210 - Infant Development (4)
- CHDV 220 - The Young Child (4)
- CHDV 340 - Middle Childhood and Adolescence (4)
- CHDV 430 - Parent-Child Development Over the Family Life Cycle (4)
- CHDV 443 - Psychology of Cognitive Development (4)
  
- CHDV 492 - Development of Verbal Behavior in Childhood (4) **also listed as**
- COMD 456 - Development of Verbal Behavior in Childhood (4)

#### Select one from the following (4 units)

- CHDV 225 - Ethnic Identity and Awareness in Children and Families (4)
- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)

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## Child Development, M.A.



The Masters of Arts in Child Development is designed for students interested in research, theory and practice related to the study of individuals and families across diverse populations and settings. Students may coordinate degree requirements for the Elementary Subject Matter Credential, Special Education Credentials, or the Early Childhood Special Education Credential Program.

### Admission to the Program

In addition to the University requirements for admission to graduate study, applicants must satisfy specific departmental requirements before admission to the program. These include:

- Baccalaureate in child development or a closely related academic field from a fully accredited college or university.
- Minimum grade point average of 2.85 in the last 90 quarter units.
- Two letters of recommendation and a written statement of intent.
- Completion of the department application form, including a writing sample.

Students without a baccalaureate in child development or a closely related field must complete a 27-unit prerequisite program before being admitted to the child development master's degree program. Further information is available in the Child and Family Studies office.

Admission to the Master's program in Child Development is a two tier process. Students must apply to both the University and the Department of Child and Family Studies. The department only admits students once a year during the fall quarter. Students interested in being considered for the graduate program must submit departmental applications by March 1st for subsequent fall admission. Departmental applications are available through the department office.

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 32 in 500-level courses.

#### Required Core (32 units)

Completion of the GWAR (Graduation Writing Assessment Requirement) is a prerequisite to enrolling in CHDV 500, 506, and 507.

- CHDV 500 - Advanced Developmental Science (4)
- CHDV 506 - Social Development (4)
- CHDV 507 - Risk and Resiliency in Development (4)
- CHDV 508A - Research Methods (4)
- CHDV 508B - Analytical Methods (4)
- CHDV 509 - Cognition and Language Development (4)
- CHDV 510 - Special Topics in Child Development (4)
- CHDV 595 - Graduate Field Work (1-6) (4)

#### Electives (7-13 units)

Students must select electives in consultation with a graduate adviser to give meaningful support to their professional goals. The development of an individualized and interdisciplinary program is essential. Students also seeking an Elementary Subject Matter Credential or an Early Childhood Special Education Credential should select electives in consultation with a credential adviser in the Charter College of Education and a child development graduate adviser.

#### Comprehensive Examination or Thesis or Project (0, 6 units)

A comprehensive examination or a thesis or project is required for the master's degree. Students should expect to take the comprehensive examination (CHDV 596) the quarter they complete all course work on their program or thereafter and must comply with College and departmental requirements. A thesis or project, in lieu of the comprehensive examination, may be undertaken upon approval by a child development faculty committee.

- CHDV 596 - Comprehensive Examination (0)  
or
- CHDV 599 - Thesis or Project (1-6)

## Department of Communication Disorders

King Hall B119

Phone: (323) 343-4690

Edward Klein, Chair

E-mail: mpeters@calstatela.edu (for audiology)

cflint@calstatela.edu (for speech-language pathology)

Website: [www.calstatela.edu/academic/hhs/comd/](http://www.calstatela.edu/academic/hhs/comd/)

The Department of Communication Disorders is committed to providing opportunities for students to have an exciting and rewarding future - a future in an enriching career as a respected professional helping others. Academic programs are designed to teach clinical skills and abilities for diagnosing and treating many different types of speech, language and hearing impairments.

**DEPARTMENT PROGRAMS:** The Department of Communication Disorders offers a baccalaureate degree (designated as a preprofessional major) and a master's degree (designated as a professional major) in the areas of Speech-Language Pathology and Audiology. Students choose one of these areas at the master's level. Completion of the graduate degree in the Speech-Language Pathology Option meets the academic requirements for licensure from the California State Board of Medical Quality Assurance and for the Certificate of Clinical Competence from the American Speech-Language-Hearing Association.

*The Robert L. Douglass Speech-Language Clinic and Cal State L.A. Hearing Clinic* are housed on the university campus and provide training facilities offering diagnostic and rehabilitative services.

**ACCREDITATION:** The graduate program in Speech-Language Pathology is accredited by the American Speech-Language-Hearing Association.

## The Faculty

**Professors:** Edward Klein (*Chair*), Miles Peterson.

**Associate Professors:** Nancy Cohick, Cari Flint, Colleen Friend, Peter Ivory.

**Assistant Professors:** Gabriela Simon-Cerejido.

**Emeriti:** May Chin, Robert L. Douglass, Mary W. Huber, Masako M. Matsuda, Lorraine Monnin, Patricia Savich.

## Certificate Program

The department offers coursework acceptable toward fulfillment of requirements for the interdisciplinary credit certificate in Child Maltreatment and Family Violence offered by the College of Health and Human Services.

## Speech-Language Pathology Assistant Authorization

The department offers two courses which, along with the bachelor's degree, can be used to apply to the state of California to receive the Speech-Language-Pathology Assistant (SLPA) License. These two courses are:

COMD 478A Speech-Language Pathology Assistant (SLPA) Pedagogy (4)

COMD 478B Speech-Language Pathology Assistant (SLPA) Practicum (4)

## Programs for this Department:

### Undergraduate Major

- Communicative Disorders, B.A.

### Graduate Major

- Communicative Disorders, M.A.

### Undergraduate Certificate

- Undergraduate Certificate Program in School Audiometrist

### Graduate Certificate



- Post-Baccalaureate Certificate in Speech-Language Pathology (Master's Preparation)

**Credential**

- Clinical Rehabilitative Services Credential in Language, Speech, and Hearing
  - Clinical-Rehabilitative Services Credential in Audiology

# Communicative Disorders, B.A.

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The Bachelor of Arts degree in Communicative Disorders (or its equivalency) prepares students who desire to obtain a graduate degree in Communicative Disorders with an option in either audiology or speech-language pathology. [In the state of California (and in most other states) the master's degree is the entry-level degree for the Speech Language Pathology option, and a professional doctorate, (AUD) degree is the entry level degree for the Audiology option.]

Students who wish to major in special education, deaf education, medicine or a variety of other disciplines in graduate school may also find communication disorders an excellent background for their ultimate goals.

Those students who have started the major at another campus must consult with a department adviser before beginning the program. Likewise, students who have bachelor's degrees in other disciplines must consult with a department adviser to prepare a course of study which will culminate in application to the graduate program.

The total number of units required for the Bachelor of Arts degree in Communication Disorders is 180 units, of which 92 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (92 units)

A total of 180 units is required for the Bachelor of Arts degree in Communicative Disorders, including a minimum of 92 units for the major. See Undergraduate Studies: General Information for details about General Education and other requirements that constitute the units outside the major.

### Lower Division Core (12 units)

#### *\*General Education Courses*

- COMD 170 - Introduction to Communication Disorders (4)
- MATH 100 - Introduction to College Mathematics (4) \*
- **or**
- MATH 102 - College Algebra (4) \*
- MATH\* 109 - Quantitative Reasoning with Statistics (4) **also listed as**
- ECON 109 - Quantitative Reasoning with Statistics (4) \*

### Upper Division Core (54 units)

- COMD 300 - Observation, Professional Issues and Writing Skills in Communication Disorders (4)
- COMD 400 - Hearing Science (4)
- COMD 401 - Acoustics of Speech and Hearing (4)
- COMD 402 - Audiology and Audiometry (5)
- COMD 420 - Rehabilitative Audiology (5)
- COMD 456 - Development of Verbal Behavior in Childhood (4) **also listed as**
- CHDV 492 - Development of Verbal Behavior in Childhood (4)
- COMD 460 - Advanced Language Development (4)
- COMD 461 - Descriptive Phonetics (4)
- COMD 462 - Anatomy and Physiology of the Speech Mechanism (4)
- COMD 463 - Neuroscience of Communication (4)
- COMD 471 - Speech-Language Pathology I: Language Disorders in Children and Adults (4)
- COMD 472 - Speech-Language Pathology II: Fluency and Articulation/Phonological Disorders (4)
- COMD 473 - Speech-Language Pathology III: Voice, Cleft Palate and Cerebral Palsy (4)

### Electives (Select at least 22 units)

- COMD 150 - Introduction to American Sign Language (4)
- COMD 250 - American Sign Language II (4)
- COMD 309 - Human Violence and Individual Change (4) **also listed as**
- PSY 309 - Human Violence and Individual Change (4)
- COMD 351 - American Sign Language III (4)
- COMD 450 - American Sign Language IV (4)
- COMD 451 - Psychosocial Considerations in Communication Disorders (3)
- COMD 452 - Communication Disorders of the Neurologically Handicapped and Nonverbal Child (3)

- COMD 454L,P - Selected Topics in Communication Disorders (1–4)
- COMD 457 - Communicating with Abused Children and Violent Families (4)
- COMD 458 - Research Methods in Communication Disorders (4)
- COMD 475 - Cultural/Linguistic Diversity in Communication Disorders (4)
- COMD 476 - Diagnostic Procedures in Communication Disorders (4)
- CHDV 200 - Techniques for the Study of Children (4)
- CHDV 343 - Child and Adolescent Cognition (4)
- CHDV 430 - Parent-Child Development Over the Family Life Cycle (4)
- CHDV 493 - Second Language Acquisition in Childhood (4)

### Related Courses (4 units)

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Select one course from the following:

- CHDV 140 - Child Development (4)
- CHDV 210 - Infant Development (4)
- CHDV 340 - Middle Childhood and Adolescence (4)
- CHDV 443 - Psychology of Cognitive Development (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- SOC 322 - Socialization: Childhood and Adolescence (4)
- SOC 323 - Socialization: Maturity and Aging (4)

## Communicative Disorders, M.A.

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The Department of Communication Disorders offers the Master of Arts degree in Communicative Disorders with options in Audiology or Speech-Language Pathology; the Clinical- Rehabilitative Services Credential in Audiology; the Clinical-Rehabilitative Services Credential in Language, Speech, and Hearing; the Clinical-Rehabilitative Services Credential in Language, Speech, and Hearing with Special Class Authorization; and the Certificate in School Audiometry.

The Audiology option prepares students to serve in various professional settings following completion of a professional doctorate degree. These settings include:

- Clinical settings such as hospitals, medical offices, private practice, rehabilitation clinics and other facilities that require a Professional Doctorate degree in Audiology, licensure in Audiology by the state Board of Medical Quality Assurance, and/or the certificate of clinical competence (CCC) in audiology issued by the American Speech-Language Hearing Association (ASHA).
- Public School settings as a rehabilitative/school audiologist that require a clinical rehabilitative services credential for school audiology.

The Speech-Language Pathology option prepares students to work in various professional settings including:

- Clinics, hospitals, nursing homes, private practice and other facilities that require a Master's degree with emphasis in Speech-Language Pathology, and licensure in Speech-Language Pathology by the State Board of Medical Quality Assurance, and the certificate of clinical competence (CCC) in Speech-Language Pathology issued by ASHA.
- Public and private schools as a Language-Speech and Hearing Specialist that require a Clinical Rehabilitative Services credential in Language, Speech and Hearing.
- Public school programs for severely language handicapped children that require the Clinical Rehabilitative Services Credential in Language, Speech and Hearing with Special Class Authorization.

## Admission to the Program

In addition to University and College requirements for admission to graduate study, applicants must satisfy specific department requirements before being considered for admission to either the Audiology or Speech-Language Pathology option:

- Completion of a baccalaureate degree in communicative disorders or equivalent;
- A minimum GPA of 3.00 in the last 90 quarter units and in all prerequisite Audiology and Speech-Language Pathology courses;
- A recent GRE with a minimum cumulative score of 900 on the verbal and quantitative sections, and a 450 or 4.5 on the analytical section;
- Departmental application form;
- Letter of professional goals and intent, and
- Three letters of recommendation.

Additionally, the following seminal courses are considered prerequisites for the M.A. degree program, even for students who have a baccalaureate degree in Communicative Disorders: COMD 420 and 458 (both Audiology and Speech-Language Pathology options) and COMD 476 (Speech-Language Pathology option only). These courses, or their equivalents, if not already taken prior to entering the M.A. program, will be required in addition to requirements for the M.A. degree.

Students are required to meet personal and professional standards established by the department which include (but not limited to): acceptable communication skills; the capacity to accept instruction; willingness and ability to assume professional responsibility for the welfare of clients; and the ability to relate well to clients, peers, and faculty. Students also must possess qualities of personal integrity, maturity, and sound professional judgment.

### Requirements for the Degree (minimum 58 - 61 units)

A minimum of 58 - 61 units is required, with at least 46 in 500-level courses. A comprehensive examination or a thesis is required.

### Options

- Audiology Option
- Speech-Language Pathology Option

## Audiology Option (58 units)

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### Required Courses (42-48 units)

\* These courses are waived if the thesis option is undertaken.

- COMD 500 - Hearing Aids (4)
- COMD 501 - Advanced Hearing Aids (4)
- COMD 503 - Diagnostic Audiological Procedures (4)
- COMD 504 - Audiological Psychoacoustics (4)
- COMD 505 - Special Auditory Tests (4)
- COMD 507 - Electrophysiological Tests (4)
- COMD 508 - Seminar: Vestibular Function Testing (3) \*
- COMD 510 - Seminar: Instrumentation and Hearing Conservation (4)
- COMD 515 - Pediatric Audiology (4)
- COMD 520 - Seminar: Medical Aspects of Audiology (3)
- COMD 530 - Seminar: Current Topics in Audiology (3)
- COMD 541 - Intervention Procedures in Audiology (4)
- COMD 549 - Central Auditory Processing Disorders (CAPD) (3) \*

### Required Practicum (10 units)

In order to graduate, students are required to have completed 375 hours of supervised clinical practicum. If those hours have not been successfully completed after meeting the requirements above, additional registration for clinical practicum coursework may be necessary.

- COMD 542 - Clinical Practicum in Audiology - Beginning (2)
- COMD 543 - Clinical Practicum in Audiology - Intermediate (2)
- COMD 544 - Clinical Practicum in Audiology - Advanced (2)
- COMD 545 - Clinical Externship in Audiology (2,2)

### Comprehensive Examination or Thesis (0,6 units)

In conference with an adviser, students must elect to complete either the comprehensive examination or a thesis. If the thesis option is chosen, the student will not be required to take COMD 508 or COMD 549.

#### A. Comprehensive Examination (0)

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Students should expect to take the comprehensive examination the quarter after they complete all course work in their program and must comply with college and departmental requirements.

- COMD 596 - Comprehensive Examination (0)

#### B. Thesis (6 units)

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Students must have adviser approval, be advanced to candidacy, and be enrolled in COMD 599 during the quarters the thesis is in progress. COMD 599 units may be substituted for COMD 508 and COMD 549 from the required course list.

## Speech-Language Pathology Option (minimum 61 units)

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### Required Courses (42-48 units)

- COMD 549 - Central Auditory Processing Disorders (CAPD) (3) \*
- COMD 550 - Fluency Disorders (4)
- COMD 551 - Language Disorders in Children (4)
- COMD 552 - Voice Disorders (4)
- COMD 553 - Articulation and Phonological Disorders (4)
- COMD 554 - Neurolinguistic Language Disorders in Adults (4)
- COMD 555 - Motor Speech Disorders (4)
- COMD 557 - Dysphagia (4)
- COMD 560 - Seminar: Current Topics in Language (3)
- COMD 562 - Seminar: Current Topics in Speech (3)
- COMD 565 - Curriculum Considerations for Alternative Service Delivery or Speech and Language Services (4)
- COMD 575 - Intervention Procedures in Speech-Language Pathology (4)
- COMD 576 - Advanced Diagnostic Procedures in Communication Disorders (3) \*

### Required Practicum (13 units)

Students must receive a B or better in COMD 581 before being allowed to take COMD 582.

In order to graduate, students are required to have completed 375 hours of supervised clinical practicum. If these hours have not been successfully completed after meeting the requirements below, additional registration for clinical practicum coursework may be necessary.

- COMD 577 - Evaluation Practicum in Speech-Language Pathology (1, 1, 1)
- COMD 579 - Clinical Practicum in Speech-Language Pathology - Beginning (2)
- COMD 580 - Clinical Practicum in Speech-Language Pathology - Intermediate (2)
- COMD 581 - Clinical Practicum in Speech-Language Pathology - Advanced (2)
- COMD 582 - Clinical Externship in Speech Language Pathology (2,2 or 4)

### Comprehensive Examination or Thesis (0, 6 units)

In conference with an adviser, students must elect to complete either the comprehensive examination or a thesis. If the thesis option is chosen, the student will not be required to take COMD 549 or COMD 576.

A. COMD 596 Comprehensive Examination (0)

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Students should expect to take the comprehensive examination the quarter after they complete all course work in their program and must comply with college and departmental requirements.

B. Thesis (6 units)

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Students must have adviser approval, be advanced to candidacy, and be enrolled in COMD 599 during the quarters the thesis is in progress. COMD 599 units may be substituted for COMD 549 and COMD 576 from the required course list.

*\* These courses are waived if the thesis option is undertaken.*

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## Undergraduate Certificate Program in School Audiometrist

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The state of California Department of Health Services offers a Certificate of Registration to work as an Audiometrist in the public schools. This certificate enables the holder to perform hearing conservation services which include: hearing screening, hearing threshold testing, tympanometric testing, referral, and management of the hearing conservation program.

**Requirements for this certificate are completion of nine-quarter units in the following state approved courses:**

- 
- COMD 400 - Hearing Science (4)
  - COMD 402 - Audiology and Audiometry (5)

**Individuals who are public school nurses are only required to complete one of the following courses:**

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The Audiometrist Certificate can be obtained by submitting an application, a fee, and an official transcript showing completion of the below courses to the Department of Health Services, Sacramento, California.

- COMD 402 - Audiology and Audiometry (5)
- COMD 440 - School Audiometry for Nurses (4)

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## Post-Baccalaureate Certificate in Speech-Language Pathology (Master's Preparation)

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This postbaccalaureate credit certificate program is designed to prepare students with undergraduate degrees in fields other than communication disorders for entry into master's degree programs in Speech-Language Pathology. Holders of this certificate will attain the student learning outcomes typically attained in undergraduate degree programs in communication disorders. Specifically, certificate holders will have knowledge of 1) basic human communication processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases, and 2) the nature of speech, language, hearing, and communication disorders and differences, including their etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.

Student must receive a grade of "C" or better in each class and maintain a minimum GPA of 2.50 to continue in the program. Completion of the program for awarding of the certificate requires 57 units of course work with a minimum 3.0 grade point average. Refer to the Graduate and Postbaccalaureate Study chapter of this catalog for general regulations governing all certificate programs. Obtaining the certificate does not guarantee admission to the MA program in Speech-Language Pathology at CSULA.

### Required Courses:

- COMD 170 - Introduction to Communication Disorders (4)
- COMD 401 - Acoustics of Speech and Hearing (4)
- COMD 402 - Audiology and Audiometry (5)
- COMD 420 - Rehabilitative Audiology (5)
- COMD 451 - Psychosocial Considerations in Communication Disorders (3)
  
- COMD 456 - Development of Verbal Behavior in Childhood (4) **also listed as**
- CHDV 492 - Development of Verbal Behavior in Childhood (4)
  
- COMD 458 - Research Methods in Communication Disorders (4)
- COMD 460 - Advanced Language Development (4)
- COMD 461 - Descriptive Phonetics (4)
- COMD 462 - Anatomy and Physiology of the Speech Mechanism (4)
- COMD 463 - Neuroscience of Communication (4)
- COMD 471 - Speech-Language Pathology I: Language Disorders in Children and Adults (4)
- COMD 472 - Speech-Language Pathology II: Fluency and Articulation/Phonological Disorders (4)
- COMD 473 - Speech-Language Pathology III: Voice, Cleft Palate and Cerebral Palsy (4)

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## Clinical Rehabilitative Services Credential in Language, Speech, and Hearing


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### Requirements for the Credential (145-146 units)

In addition to the coursework listed below, all requirements for the Master's Degree in Communicative Disorders with an option in Speech-Language Pathology, including all required courses, practicum and the comprehensive examination or thesis, are required before a student will be recommended for the credential.

- COMD 400 - Hearing Science (4)
  - COMD 401 - Acoustics of Speech and Hearing (4)
  - COMD 402 - Audiology and Audiometry (5)
  - COMD 420 - Rehabilitative Audiology (5)
  - COMD 456 - Development of Verbal Behavior in Childhood (4)
  - COMD 458 - Research Methods in Communication Disorders (4)
  - COMD 460 - Advanced Language Development (4)
  - COMD 461 - Descriptive Phonetics (4)
  - COMD 462 - Anatomy and Physiology of the Speech Mechanism (4)
  - COMD 463 - Neuroscience of Communication (4)
  - COMD 471 - Speech-Language Pathology I: Language Disorders in Children and Adults (4)
  - COMD 472 - Speech-Language Pathology II: Fluency and Articulation/Phonological Disorders (4)
  - COMD 473 - Speech-Language Pathology III: Voice, Cleft Palate and Cerebral Palsy (4)
  - COMD 475 - Cultural/Linguistic Diversity in Communication Disorders (4)
  - COMD 476 - Diagnostic Procedures in Communication Disorders (4)
  - COMD 479 - Language, Speech and Hearing Services in the Public Schools (3)
  - COMD 480 - Directed Teaching in Communication Disorders (6 – 12) (6)
  - \*\* COMD 490 - Directed Teaching Laboratory (1)
  - EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)
  
  - EDFN 413 - Psychological Foundations of Education (4)
  - or
  - COMD 451 - Psychosocial Considerations in Communication Disorders (3)
  
  - EDSP 400 - Foundations of Special Education (4)
- \*\*COMD 490 must be taken concurrently with the first quarter of COMD 480.*

### The Special Class Authorization to Teach Severe Language Handicapped Children requires an additional 20 units:

- COMD 452 - Communication Disorders of the Neurologically Handicapped and Nonverbal Child (3)
- COMD 481 - Directed Teaching in the Aphasia Classroom (6)
- EDEL 400 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4 each)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)


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## Clinical-Rehabilitative Services Credential in Audiology

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In addition to the coursework listed below, all requirements for the Master's Degree in Communicative Disorders with an option in Audiology, including all required courses, practicum and the comprehensive examination or thesis, are required before a student will be recommended for the credential.

### Requirements for the Credential (130-133 units)

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In addition to the coursework listed below, all requirements for the Master's Degree in Communicative Disorders with an option in Audiology, including all required courses, practicum and the comprehensive examination or thesis, are required before a student will be recommended for the credential.

- COMD 400 - Hearing Science (4)
- COMD 401 - Acoustics of Speech and Hearing (4)
- COMD 402 - Audiology and Audiometry (5)
- COMD 420 - Rehabilitative Audiology (5)
- COMD 456 - Development of Verbal Behavior in Childhood (4)
- COMD 458 - Research Methods in Communication Disorders (4)
- COMD 461 - Descriptive Phonetics (4)
- COMD 462 - Anatomy and Physiology of the Speech Mechanism (4)
- COMD 463 - Neuroscience of Communication (4)
- COMD 471 - Speech-Language Pathology I: Language Disorders in Children and Adults (4)
- COMD 472 - Speech-Language Pathology II: Fluency and Articulation/Phonological Disorders (4)
- COMD 475 - Cultural/Linguistic Diversity in Communication Disorders (4)
- COMD 479 - Language, Speech and Hearing Services in the Public Schools (3)
- COMD 480 - Directed Teaching in Communication Disorders (6 – 12) (6)
- COMD 300 - Observation, Professional Issues and Writing Skills in Communication Disorders (4)
- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)
- EDSP 400 - Foundations of Special Education (4)
- COMD 451 - Psychosocial Considerations in Communication Disorders (3)
- EDSP 430 - Sign Language (3)
  
- EDSP 431A - Laboratory: Sign Language, Beginning (1)  
or
- COMD 150 - Introduction to American Sign Language (4)

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## School of Criminal Justice and Criminalistics

### SCHOOL OFFICE

Hertzberg-Davis Forensic Science Center

Room # 244

Phone: (323) 343-4610

Joseph L. Peterson, Director

Website: [www.calstatela.edu/academic/hhs/crim\\_jus/](http://www.calstatela.edu/academic/hhs/crim_jus/)

Programs in the School of Criminal Justice and Criminalistics are designed to prepare students for successful positions in law enforcement, corrections, criminal justice planning and/or law, as well as for further study in graduate or professional schools in any of these fields. The curriculum provides intensive study in the areas of criminal justice theory, research methodology and data analysis, criminal law, organizational functioning, program planning and criminalistics. The program strives to promote understanding of key criminal, legal, and scientific issues affecting contemporary urban society and respect for racial, ethnic, cultural and gender diversity.

The School of Criminal Justice and Criminalistics offers programs leading to the Bachelor of Science degree in Criminal Justice, a Master of Science degree in Criminal Justice, with options in Administration and Forensic Mental Health, and a Master of Science degree in Criminalistics. The Criminalistics degree builds upon undergraduate preparation in the natural sciences. Also offered is an undergraduate minor for students majoring in a natural or physical science at CSULA.

## The Faculty

**Professors:** Denise Herz, Joseph L. Peterson (*Director*), Katherine Roberts.

**Associate Professors:** Donald Johnson, Bill Sanders.

**Assistant Professors:** Lisa Graziano, Katherine Tellis.

**Emeriti:** Allen P. Bristow, William M. Cole, Harry Diamond, G. Douglas Gourley, Richard C. Grace, Robert H. Morneau, Jr., Nathaniel Trives.

## Certificate Program

In addition, the school offers course work acceptable toward fulfillment of requirements for the interdisciplinary credit certificate in *Child Maltreatment and Family Violence* offered by the College of Health and Human Services.

## Graduate and Postbaccalaureate Programs

Two Master of Science degrees are offered by the School of Criminal Justice and Criminalistics: Master of Science in Criminal Justice and a Master of Science in Criminalistics. The program leading to the Master of Science in Criminal Justice offers two options, one in Administration and one in Forensic Mental Health. The program leading to the Master of Science in Criminal Justice, Administration Option, addresses issues of crime and criminal justice within a framework that emphasizes theory and research with their implications for criminal justice policy and practice. The Forensic Mental Health Option trains students in the delivery of services to psychiatrically impaired clients of the criminal justice systems. Both curricula are grounded in the social, behavioral and natural sciences. The Master of Science in Criminal Justice is designed to provide the background necessary for administrative, practice, policy and research positions in criminal justice. It also prepares students for doctoral study in criminal justice and related fields. The school recognizes the value of diverse methodological and theoretical approaches and encourages their complementary use and integration. The program leading to the Master of Science degree in Criminalistics offers a specialization in the application of science to the criminal justice process.

## Admission to the Program

Students must complete a university application in order to be admitted into a graduate studies program. In addition to university requirements for admission to graduate study, applicants must satisfy specific school requirements before admission to either the criminalistics or criminal justice graduate degree programs. Application forms to the school are available on the school website and in the school office.

All applications must be received by February 1st of the calendar year the applicant seeks to be admitted. New criminalistics and criminal justice graduate students are accepted only in the fall quarter of each academic year.

Transcripts from all colleges and universities attended must be submitted with the school application in addition to the transcripts required by the Office

of University Admission and Outreach. Students must also arrange to take the Graduate Record Exam (GRE) and to have their GRE scores sent directly to the school by the Educational Testing Service. An acceptable GRE score is required for consideration. Additionally, a minimum grade point average of 3.0 in the last 90 quarter units (or last 60 semester units) and 3.0 in the undergraduate major are required for consideration. Applications will not be considered until all of these conditions are met.

## Programs for this School:

### Undergraduate Major

- Criminal Justice, B.S.

### Undergraduate Minor

- Criminal Justice Minor
- Forensic Science Minor

### Undergraduate Certificate

- Undergraduate Certificate in Child Maltreatment and Family Violence

### Graduate Major

- Criminal Justice, M.S.
- Criminalistics, M.S.

## Criminal Justice, B.S.

The Bachelor of Science Degree in Criminal Justice is designed to prepare individuals academically in the behavioral, natural and social science perspectives, as well as for further study in graduate or professional schools in any of these fields. The program provides intensive study in areas of criminal justice theory, research methodology and data analysis, criminal law, organizational functioning, and program planning. The program strives to promote understanding of key criminal and legal issues of contemporary urban society and respect for racial, ethnic, cultural, and gender diversity. By incorporating a multidisciplinary social, behavioral and natural science approach to undergraduate study, the program provides two important benefits for the student. First, it encourages the development of an interrelated perspective with regard to the study of criminal justice. This perspective facilitates a more comprehensive focus on the connections among the endeavors of crime prevention, law enforcement, adjudication, and punishment. Secondly, the program is designed to encourage the development of effective analytical and problem-solving skills that will equip professionals with the intellectual capacity necessary for a variety of positions in criminal justice.

The total number of units required for the Bachelor of Science degree in Criminal Justice is 180 units, of which 88 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Limitations on Transfer Credit

Students intending to transfer to Cal State L.A. from a community college to continue work toward a Bachelor of Science degree in Criminal Justice are advised to complete general education requirements and any lower division core courses equivalent to those in the Cal State L.A. curriculum prior to transferring. Students are advised to contact the school for information on transfer agreements between Cal State L.A. and specific community colleges.

### Criteria for Admission to the Major

Students seeking admission to the major must first be admitted to the university as a pre-criminal justice major and then directly apply to the School of Criminal Justice and Criminalistics to be accepted as a major. Criteria for admission to the major are a minimum cumulative GPA of 2.75 and a grade of B- or better in CRIM 101, 126 (or the equivalent) and CRIM 301. Students will have a single opportunity to take and achieve a grade of B- in each of these courses.

#### Requirements for the Major (88 units)

A total of 180 units is required for the Bachelor of Science degree in Criminal Justice, including a minimum of 88 units for the major. All students must complete a required core of 24 quarter units in lower division courses. The total upper division requirement includes 64 units; thirty-two (32) units of upper division criminal justice courses and thirty-two (32) elective units. CRIM 301 is a prerequisite to all upper division courses. See Undergraduate Studies: General Information for details about the General Education and other requirements that constitute the units outside the major.

All students must see a faculty adviser in the school before beginning the program. Further, all students must receive approval from a faculty adviser before making any changes in the major program. Students are strongly encouraged to meet regularly with a school adviser concerning criminal justice degree requirements. Students must earn a grade of "C" or higher in all courses used to meet major curriculum requirements. Students who receive two failing grades within the upper or lower division core will be required to change their major.

#### Lower Division Required Core Courses (24 units)

- CRIM 101 - Introduction to Administration of Justice (4)
- CRIM 126 - Concepts of Criminal Law (4)
- CRIM 201 - Correctional Systems (4)
- CRIM 202 - Police and Society (4)
- CRIM 203 - Judicial Organization (4)
- CRIM 208 - Introduction to Forensic Science for Criminal Justice Majors (4)

#### Upper Division Required Core Courses (32 units)

- CRIM 301 - Written Communication in Criminal Justice (4)
- CRIM 303 - Theories and Perspectives in Criminal Justice (4)
- CRIM 309 - Juvenile Justice (4)
- CRIM 310 - Ethics and Professional Responsibility (4)
- CRIM 330 - Criminal Justice Research (4)
- CRIM 428 - Contemporary Criminal Procedures (4)

- CRIM 483 - Statistics in Criminal Justice (4)
- CRIM 492 - Advanced Criminal Justice Theory and Practice (4)

#### **Selected electives (12 units)**

Students must select 12 units from the following list of electives:

- CRIM 306 - Crime Control Policy (4)
- CRIM 307 - Forensic Mental Health (4)
- CRIM 308 - White Collar Crime (4)
- CRIM 365 - Personal Identification Systems (4)
- CRIM 395 - Community Service in Criminal Justice (1–4)
- CRIM 398 - Cooperative Education in Criminal Justice (1–4)
- CRIM 401 - Gangs (4)
- CRIM 402 - Substance Use and Crime (4)
- CRIM 411 - Interpretation of Evidence in the Courtroom (4)
- CRIM 412 - Crime Scene Management (4)
- CRIM 413 - Sex Crimes and Physical Evidence (4)
- CRIM 432 - Mental Disorder, Substance Abuse and Violence (4)
- CRIM 445 - Legal Issues for Police Officers (4)
- CRIM 446 - Community Policing and Problem Solving (4)
- CRIM 454 - Special Topics in Criminal Justice (4)
- CRIM 470 - Women and Crime (4)
- CRIM 499 - Undergraduate Directed Study (1–4)

#### **Directed Electives in Criminal Justice or Related Fields (20 units)**

With major adviser approval, students select 20 units of **upper division** directed electives in Criminal Justice or related fields. With adviser approval, a minor in a related field is acceptable as directed electives provided the minor contains at least twenty (20) units of upper division curriculum. If the selected minor contains less than twenty (20) units of upper division curriculum, the student will have to select additional upper division units in Criminal Justice or related fields to meet the twenty-unit curriculum requirement.

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## Criminal Justice Minor

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The minor in Criminal Justice is designed for students majoring in other fields who wish to prepare for careers relating to the administration of criminal justice. A total of 32 units are required. The CRIM 301 prerequisite for 303, 310 and 428 will be waived with instructor permission.

### Required for the Minor (32 units)

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#### Lower Division Required Core Courses (16 units):

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- CRIM 101 - Introduction to Administration of Justice (4)
- CRIM 126 - Concepts of Criminal Law (4)
- CRIM 201 - Correctional Systems (4)
- CRIM 202 - Police and Society (4)

#### Upper Division Required Core Courses (16 units):

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- CRIM 303 - Theories and Perspectives in Criminal Justice (4)
- CRIM 310 - Ethics and Professional Responsibility (4)
- CRIM 330 - Criminal Justice Research (4)
- CRIM 428 - Contemporary Criminal Procedures (4)

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## Forensic Science Minor

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Forensic Science represents the interface of science and the law. The minor is intended to complement a major in the natural sciences by introducing biology and chemistry students to the forensic perspective as it operates within and across justice system communities. However, students may also take select courses in the minor without formal enrollment in the program provided they have satisfied the course prerequisites. Prospective students should note that CRIM 414 stipulates 300 or 400 level prerequisites and CRIM 415 stipulates 300 level prerequisites. The CRIM 301 prerequisite for CRIM 305, CRIM 411, and CRIM 412 will be waived with permission from the instructor or the forensic science minor advisor.

The courses offered in the minor integrate the scientific concepts developed from the basic sciences to problems unique to the forensic sciences, including crime scene reconstruction, legal integrity of scientific evidence, expert testimony, and individualization. The curriculum covers several specializations, including forensic biology, forensic chemistry, microscopy, crime scene management and courtroom interpretation of evidence. Completion of the minor in Forensic Science requires a total of 32 units with a minimum C grade point average. At least 12 units of upper division courses must be taken in residence at CSULA.

### Requirements for the Minor (32 units)

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#### Upper Division Required Courses (32 units)

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- CRIM 310 - Ethics and Professional Responsibility (4)
- CRIM 409 - Applications of Forensic Science (4)
- CRIM 411 - Interpretation of Evidence in the Courtroom (4)
- CRIM 412 - Crime Scene Management (4)
- CRIM 414 - Forensic Biology (4)
- CRIM 415 - Forensic Chemistry (4)
- CRIM 416 - Physical Methods and Pattern Analysis (4)
- CRIM 417 - Forensic Microscopy and Trace Evidence Analysis (4)

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# Undergraduate Certificate Program in Child Maltreatment and Family Violence



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## Curriculum Summary

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The College of Health and Human Services offers an interdisciplinary credit certificate program designed to provide individuals in health and human service disciplines or other related fields with expanded knowledge and formalized education, multidisciplinary training, and field experience in child abuse and domestic violence. Course work includes theoretical, conceptual, and practical experiences leading to a multidisciplinary view of the relevant issues, processes, and systems involved. The goal of the program is to prepare individuals to better serve the needs of abused children and violent families and to qualify for career positions for which multidisciplinary training is essential.

Admission to the program requires upper division standing, formal application to the college, a screening interview with the program director covering the applicant's prior academic work, and approval of the individual student program. The program requires 24 units of upper division course work including 16 units of required core courses, 4 units of electives, and 4 units of field experience. Students must earn a minimum C grade point average to qualify for the certificate. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

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## Requirements for the Certificate (24 units)

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### Required Courses (16 units)

- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
- COMD 457 - Communicating with Abused Children and Violent Families (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4) **also listed as**
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- SW 456 - Multidisciplinary Teams, Child Maltreatment, and Family Violence (4)

### Field Experience (minimum 4 units)

Select from following:

- COMD 582 - Clinical Externship in Speech Language Pathology (2,2 or 4)
- COUN 495 - Field Work in Rehabilitation Services (3-9)
- EDSP 499 - Undergraduate Directed Study (1-4)
- \*\* EDSP 503 - Field Work in Special Education (3-6)
- HHS 495 - Field Work in Health and Human Services (1-4)
- PSY 485 - Directed Field Experience in Community Clinical Psychology (4)
- \*\* PSY 595 - Field Experience in Psychology (1-9)
- SW 495 - Directed Field Experience (4)  
\*\* *open to graduate students only*

### Electives

Select at least 4 units from following with adviser approval:

- CHDV 430 - Parent-Child Development Over the Family Life Cycle (4)
- COMD 357 - Victimology in Child Abuse and Family Violence (4) **also listed as**
- HHS 357 - Victimology in Child Abuse and Family Violence (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 460 - Laws Relating to the Child and Family (4)
- CRIM 309 - Juvenile Justice (4)
- NURS 470 - Community/Public Health Nursing (4)
- NURS 355 - Strategies for Preventing and Intervening in Family Violence and Abuse (4) **also listed as**
- SW 355 - Strategies for Preventing and Intervening in Family Violence and Abuse (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- PSY 426 - Family Therapy Dynamics and Perspectives (4)
- PSY 464 - Psychology and the Law (4)

- SOC 383 - Violence in American Society (4)
- SOC 421 - Social Sources of Human Sexuality (4)
- SOC 440 - Marriage and the Family (4)
- SOC 482 - Juvenile Delinquency (4)
- SW 476 - Child Welfare (4)

# Criminal Justice, M.S.

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In addition to University requirements for admission to graduate study, applicants must possess a baccalaureate from an accredited college or university with acceptable preparation in criminal justice and general principles of theory and research.

## Prerequisites

Undergraduate preparation must include the following courses or equivalents:

- CRIM 101 - Introduction to Administration of Justice (4)
- CRIM 126 - Concepts of Criminal Law (4)
- CRIM 303 - Theories and Perspectives in Criminal Justice (4)
- CRIM 310 - Ethics and Professional Responsibility (4)
- CRIM 330 - Criminal Justice Research (4)
- CRIM 483 - Statistics in Criminal Justice (4)

## Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 in 500-level courses.

### Required Core Courses (20 units)

- CRIM 501 - Seminar: Administration of Justice (4)
- CRIM 502 - Seminar: Introduction to Forensic Mental Health (4)
- CRIM 511 - Principles of Research (4)
- CRIM 530 - Theories and Perspectives in Criminal Justice (4)
- CRIM 538 - Seminar: Criminal Justice Problems (4)

## Options

- Administration Option
- Forensic Mental Health Option

### Administration Option

#### Required Core Courses (9 units)

- CRIM 512 - Quantitative Applications (4)
- CRIM 590 - Planning and Program Development (5)

#### Directed Electives in Criminal Justice and Related Fields (12-16 units)

- CRIM 506 - Seminar: Comparative Criminal Justice Administration (4)
- CRIM 513 - Qualitative Approaches (4)
- CHDV 507 - Risk and Resiliency in Development (4)
- PSY 510 - Seminar: Abnormal Psychology (4)
- PSY 512 - Behavior Disorders in Children (4)
- PSY 522 - Seminar: Social Psychology (4)
- SOC 522 - Seminar: Social Psychology (4)
- SOC 526 - Seminar: Sociology of Deviant Behavior (4)
- SOC 530 - Seminar: Urban Social Systems (4)
- SOC 544 - Seminar: Social Organization, Institutions, and Change (4)
- SOC 560 - Seminar: Racial and Ethnic Minorities (4)
- SOC 584 - Seminar: Corrections (4)

### Forensic Mental Health Option

#### Required Courses (13 units)

- CRIM 598 - Graduate Directed Study (1-5) (1)
- PSY 464 - Psychology and the Law (4)
- PSY 510 - Seminar: Abnormal Psychology (4)
- PSY 531B - Individual Testing and Case Study Techniques (4)

### Electives in Criminal Justice and Related Fields (8-12 units)

- CRIM 411 - Interpretation of Evidence in the Courtroom (4)
- CRIM 432 - Mental Disorder, Substance Abuse and Violence (4)
- CRIM 512 - Quantitative Applications (4)
- CRIM 595 - Directed Field Work (1-8)
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- PSY 424 - Cognitive Psychology (4)
- PSY 445 - Community Psychology – Service Learning (4)
- PSY 512 - Behavior Disorders in Children (4)
- PSY 531A - Individual Testing and Case Study Techniques (4)
- PSY 586 - Brief Psychotherapy and Crisis Intervention (4)

### Comprehensive Examination or Thesis (0-4)

Students must have completed all other degree requirements prior to enrolling for the comprehensive examination.

The comprehensive examination (CRIM 596) is a written, onsite examination that covers issues related to theory, research and urban problems as they impact on criminal justice. Students may take the comprehensive examination during the fall, winter or spring quarters after completion of their course work and must comply with college and school requirements regarding the comprehensive examination. Students are allowed a maximum of two attempts to complete the comprehensive examination successfully.

The thesis may only be selected after approval from the school Graduate Committee. Oral defense of the thesis is required.

- CRIM 596 - Comprehensive Examination (0)
- CRIM 599 - Thesis (1-4)

## Criminalistics, M.S.

Criminalistics is an interdisciplinary field, in which the physical and natural sciences are employed to analyze and evaluate physical evidence in a judicial context. The Criminalistics program provides advanced, discipline specific knowledge for those wishing to enter the field of criminalistics. The Master of Science Degree program emphasizes current analytical and scientific methods. A broad understanding of the concepts underlying the forensic sciences is provided through a sequence of required and effective courses.

In addition to University requirements for admission to graduate study, applicants must hold a baccalaureate in one of the natural or physical sciences. The Graduate Record Examination (GRE) is required for admission to the master's program.

Students are advised that background checks similar to those required for law enforcement officers are likely to be a condition of employment (NIJ Report NCJ 203099 – "Qualifications for a Career in Forensic Science." PP. 7-10)

### Prerequisites

#### The following courses or their equivalents may be taken concurrently.

These courses are not included in the 52 units required for the masters degree.

- CHEM 201† - Quantitative Analysis (5)
- CRIM 409 - Applications of Forensic Science (4)
- CRIM 416 - Physical Methods and Pattern Analysis (4)

#### The following courses or their equivalents must have been completed prior to admission to graduate study.

These courses are not included in the 52 units required for the master's degree.

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- BIOL 300 - Biometrics (4)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- MICR 300 - General Microbiology (5)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)

### Requirements for the Degree (56 units)

A total of 56 units is required, with at least 28 in 500-level courses.

#### Required Courses (44 units)

- CRIM 510 - Graduate Seminar: Ethical, Managerial and Contemporary Issues in Forensic Science (4)
- CRIM 511 - Principles of Research (4)
- CRIM 515 - Statistical Analysis of Forensic Science Evidence (4)
- CRIM 550 - Crime Scene Reconstruction (4)
- CRIM 552 - Trace Evidence Analysis (4)
- CRIM 553 - Forensic Serology and DNA Analysis (4)
- CRIM 554 - Analysis of Controlled Substances (4)
- CRIM 557 - Forensic Pathology (4)
- CRIM 559 - Forensic Microscopy (4)
- CRIM 560 - Forensic Toxicology (4)
- CRIM 562 - Courtroom and Legal Issues in Criminalistics (4)

#### Electives (8 units)

With adviser approval, select 8 units in Criminal Justice or related fields from the following.

*\*Check catalog for prerequisite courses.*

- ANTH 463 - Forensic Anthropology (4)
- BIOL 408 - Experimental Design and Advanced Biometry (4)
- BIOL 413 - Molecular Diagnostics (4) \*
- BIOL 415 - Population Genetics (4) \*
- BIOL 416 - Molecular Genetics (4) \*
- BIOL 417 - Gene Manipulation (4) \*
- BIOL 432 - Fundamentals of Toxicology (4) \*
- CHEM 435 - Introduction to Biochemistry (4) \*
- CHEM 463† - Biomedical Microanalysis (4) \*
- GEOL 400 - Optical Mineralogy (4) \*
- GEOL 422 - Environmental & Forensic Geochemistry (4) \*
- CRIM 496 - Firearms and Toolmark Examination (4)
- CRIM 595 - Directed Field Work (1–8) (1-8)
- CRIM 598 - Graduate Directed Study (1–5)

## **Thesis (4)**

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Students are required to take the Forensic Science Assessment Test (FSAT) during the spring quarter of their second year. The FSAT is an on-site examination that is administered by the program director or another faculty member. The test consists of 220 multiple-choice questions of which 200 will be scored. The remaining 20 questions are being piloted for future FSAT examinations. This is not a pass/fail test. A numerical score out of a possible 1200 points will be provided to the student.

The thesis may only be selected after approval from the school graduate committee. The results of the thesis will be presented orally in a public forum for evaluation.

- CRIM 599 - Thesis (1–4) (4)

## Department of Public Health

### PROGRAM OFFICE

Simpson Tower 302

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Website: <http://www.calstatela.edu/academic/hhs/ph/>

Lifetime wellness or health is dependent upon a variety of factors, many of which are related to environment and lifestyle. The primary mission of the Department of Public Health is to educate individuals to become entry-level health professionals at the baccalaureate or graduate level. In such roles, graduates can promote positive activities both personal and environmental that impact the health of individuals and communities.

The Department of Public Health offers a Bachelor of Science degree and a Master of Arts degree in Health Science. Students in these programs are prepared to provide direct services, advocacy, management, and counseling in health education, public health, environmental health, and community organizations. Graduates may assume various allied health roles such as teaching in public and private health agencies, and specializing in substance abuse prevention and treatment programs.

## The Faculty

**Professors:** William M. London, Behjat A. Sharif, Walter A. Zelman (*Chair*).

**Assistant Professor:** Beth Hoffman.

**Emeriti:** Carlton Blanton, Robert L. Fennessy, Ben F. Scherer, William E. R. Whiteley, Vicente S. Zapata.

## Programs for this Department:

### Undergraduate Major

- Health Science, B.S.

### Undergraduate Minor

- Health Science Minor

### Undergraduate Certificate

- Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems

### Graduate Major

- Health Science, M.A.

### Credential

- Health Science Credential Program

## Health Science, B.S.



The Bachelor of Science degree in Health Science prepares students for leadership and education roles in community health and other public health careers as well as for graduate study.

The total number of units required for the Bachelor of Science degree in Health Science is 180 units, of which 107-109 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (107-109 units)

The Health Science major consists of a curriculum which has a focus on community health and includes lower and upper division core courses (28 units), upper division core electives (4 units), the community health core (40 units), community health electives (8 units), plus 27-29 units of lower division prerequisites that, to the extent possible, should be completed prior to enrollment in upper division courses.

See the Undergraduate Studies: General Information for details about the General Education and other requirements that constitute the units outside the major. A minimum C grade is required in all courses used to meet major requirements.

### Required Prerequisites (27-29 units)

- CHEM 101† - General Chemistry I (5)  
or
- CHEM 151† - Fundamentals of Chemistry I (5)  
or
- CHEM 158† - Molecules Matter (4)  
and
- CHEM 159† - The Chemistry of Everyday Things Laboratory (1)
- MATH 100 - Introduction to College Mathematics (4) \*
- or
- MATH 102 - College Algebra (4) \*
- MICR 151 - Biology of Microorganisms (4)  
or
- MICR 201 - Microbiology for Health Related Sciences (4)  
or
- MICR 202 - Microbiology Laboratory for Health Related Sciences (2)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- SOC 201 - Principles of Sociology (4) \*
- or
- PSY 150 - Introductory Psychology (4) \*
- or
- ANTH 250 - Cultural Anthropology (4) \*
- or
- URBA 180 - The Urban World (4)

**Note:**

\*General Education Courses.

### Required Core (28 units)

#### Lower Division Required Core Courses (4 units)

- PH 150 - Health and Wellness (4)

#### Upper Division Required Core Courses (24 units)

- PH 410 - Theory and Principles of Public Health (4)
- PH 412 - Introduction to Epidemiology (4) **also listed as**
- MICR 412 - Introduction to Epidemiology (4)
- PH 471 - General Principles of Environmental Health (4)
- PH 472 - Data Analysis for Public Health (4)  
or
- HHS 400 - Statistics in Health and Human Services (4)



- PH 480 - Introductory Research Analysis and Technical Writing for Public Health (4)

### **Upper Division Core Electives (4 units)**

One course from a discipline other than public health. The following courses are deemed acceptable; students wishing to use other classes to meet this requirement should consult their advisor.

- ANTH 444 - Medical Anthropology (4)
- CHS 450 - Research on Community Problems (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- HIST 458 - Sickness and Health in American History (4)
- NTRS 450N - Nutrition and Well Being (4)
- PHIL 429 - Bioethics (4)
- PSY 450 - Principles of Health Psychology (4)
- SOC 450 - Sociology of Aging (4)

## **Community Health Option**

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### **Required Courses (40 units)**

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- PH 413 - Health Communication (4)
- PH 440 - Health Care Delivery System (4)
- PH 445 - Health Promotion (4)
- PH 463 - International Health (4)
- PH 464 - Community Health Care Programs (4)
- PH 470 - Public Health Administration (4)
- PH 475 - Proseminar: Current Issues in Health (4)
- PH 479 - Program Planning and Evaluation (4)
- PH 496 - Internship in Public Health (2–8) (8)

### **Community Health Electives (8 units)**

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Select two courses from the following:

- PH 431 - Community, Environmental Safety and Public Health Law (4)
- PH 447 - Vulnerable Populations (4)
- PH 455 - Sex Information for Health Education (4)
- PH 456 - Drugs and Health (4)
- PH 476 - Quality Assurance in Health Programs (4)

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## Health Science Minor

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A total of 45 units is required for the minor in Health Science. This program provides preparation for teaching in the areas of adult education, civil defense, medical self-help, Red Cross instructional programs, and in public schools.

### Requirements for the Minor (45 units)

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#### Lower Division Required Courses (21 units)

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- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- PH 201 - Medical Emergencies Management (3)
- PH 150 - Health and Wellness (4)
- NTRS 250 - Human Nutrition (4)
- **or**
- SOC 201 - Principles of Sociology (4)

#### Upper Division Required Courses (24 units)

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- PH 410 - Theory and Principles of Public Health (4)
- PH 413 - Health Communication (4)
- **or**
- PH 440 - Health Care Delivery System (4)
- PH 456 - Drugs and Health (4)
- PH 464 - Community Health Care Programs (4)
- PH 471 - General Principles of Environmental Health (4)

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# Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems



This undergraduate credit certificate requires a total of 60 units, including 33 units of course work and field experience in public health and 27 units in related fields. Course selection is designed to supplement previous academic and/or vocational experience and to apply to basic professional training leading to the baccalaureate or to graduate degrees. The program prepares alcohol and other drug abuse specialists for employment in educational, therapeutic, rehabilitative, and consultant settings. Refer to Undergraduate Studies: General Information for general regulations governing all certificate programs.

## Requirements for the Certificate (57 units)

### Required Courses (30 units)

- PH 201 - Medical Emergencies Management (3)
- NTRS 250 - Human Nutrition (4)
- PH 456 - Drugs and Health (4)
- PH 468 - Problems in Controlled Substances (3)
- \* PH 496 - Internship in Public Health (2-8) (12)
- PH 499 - Undergraduate Directed Study (1-4) (4)

### Electives (select 27 units from following):

- ANTH 444 - Medical Anthropology (4)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- CRIM 309 - Juvenile Justice (4)
- COUN 200A - Introduction to Rehabilitation Services (3) \*\*
- COUN 200B - Introduction to Rehabilitation Services (3) \*\*
- COUN 445 - Developmental Self Exploration (2) \*\*
- COUN 450 - Counseling Theories (3) \*\*
- COUN 490 - Problems in Guidance (1-5) \*\*
- COUN 494 - Seminar: Rehabilitation Services (3) \*\*
- PH 431 - Community, Environmental Safety and Public Health Law (4) \*\*\*
- PH 464 - Community Health Care Programs (4) \*\*\*
- PH 470 - Public Health Administration (4) \*\*\*
- PH 476 - Quality Assurance in Health Programs (4) \*\*\*
- PH 491 - Special Studies in Health and Safety (1-4) \*\*\*
- MGMT 470 - Managerial Leadership and Motivation (4)
- PSY 150 - Introductory Psychology (4)
- PSY 410 - Abnormal Psychology II (4)
- SOC 201 - Principles of Sociology (4)
- SOC 322 - Socialization: Childhood and Adolescence (4)
- SOC 422 - Social Psychology (4)
- SOC 425 - Medical Sociology (4)
- COMM 150 - Oral Communication (4)
- COMM 278 - Problem Solving through Group Discussion (4)
- COMM 454 - Selected Studies in Communication (1-4)
- COMM 478 - Group Communication: Dynamics of Leadership and Participation (4)
- COMM 489 - Intercultural Communication (4)
- UNIV 398 - Cooperative Education (1-4)

### Note:

\* *Rehabilitation Counseling majors may substitute COUN 495 when placed in an agency that provides services to alcohol-dependent or drug-dependent persons.*

\*\**maximum 6 units*

\*\*\**maximum 4 units*

## Health Science, M.A.

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The Master of Arts degree in Health Science provides advanced preparation in health sciences and safety fields including school, community, and allied health programs. It qualifies graduates for advanced leadership positions and provides the health science foundation for community college teaching positions.

### Admission to the Program

#### Prerequisites (10 units)

Applicants must have a baccalaureate from an accredited institution with sufficient courses in public health and the basic sciences to provide a foundation for advanced work. In addition, applicants must have a 2.75 grade point average in the last 90 quarter units or have demonstrated ability to earn a B (3.0) grade point average at the postbaccalaureate level.

- PH 350 - Health Maintenance Problems (3)
- PH 360 - Selecting Health and Medical Services and Products (3)
- PH 463 - International Health (4)

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 in 500-level courses.

#### Required Courses (14 units)

- PH 530 - Research Design in Health Science (4)
- PH 560 - Administration of Health and Safety Education (3)
- PH 580 - Seminar: Health Science Research (4)
- PH 591 - Advances in Health Education (3)

#### Electives (select 16–30 HS units with adviser approval)

#### Electives in related fields (select 0-14 units with adviser approval)

#### Comprehensive Examination, Thesis or Project (0, 6 units)

Students should expect to take the comprehensive examination (HS 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

- PH 596 - Comprehensive Examination (0)  
**and**
- PH 598 - Graduate Directed Study (1–4)  
**or**
- PH 599 - Thesis or Project (1–6)

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## Health Science Credential Program

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The Bachelor of Science degree in Health Science is authorized for the Single Subject Credential Program in Health Science. Refer to the Charter College of Education section for regulations governing all teaching credential programs. Students interested in this credential should consult advisers in the Department of Public Health and the Charter College of Education.

**In addition, they must include the following courses in the major:**

- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- CHEM 151† - Fundamentals of Chemistry I (5)
- PH 201 - Medical Emergencies Management (3)
- PH 431 - Community, Environmental Safety and Public Health Law (4)
- PH 455 - Sex Information for Health Education (4)
- PH 456 - Drugs and Health (4)
- PH 463 - International Health (4)
- PH 464 - Community Health Care Programs (4)
- PH 470 - Public Health Administration (4)
- PH 475 - Proseminar: Current Issues in Health (4)
- PH 479 - Program Planning and Evaluation (4)
- PH 480 - Introductory Research Analysis and Technical Writing for Public Health (4)
- PSY 170 - Introductory Behavioral Neuroscience (4)

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## School of Kinesiology and Nutritional Science

### SCHOOL OFFICE

Physical Education 206

Phone: (323) 343-4650

E-mail: [schoolkns@calstatela.edu](mailto:schoolkns@calstatela.edu)

Website: [www.calstatela.edu/academic/hhs/kns/](http://www.calstatela.edu/academic/hhs/kns/)

The School of Kinesiology and Nutritional Science focuses on the study of human physical activity, dietary practices, and food production processes. The mission is to prepare professionals to practice at the baccalaureate and masters level, conduct research, pursue graduate study, and engage in public and professional service. The overall goals of the School are to promote adoption of lifestyles that involve health-related physical activity and healthy eating at various stages of the lifecycle, and to encourage production of healthy, safe, and attractive foods.

The School of Kinesiology and Nutritional Science offers Bachelor of Science degree programs in Exercise Science, in Food Science and Technology, in Kinesiology and in Nutritional Science; Master of Science degree programs in Kinesiology and in Nutritional Science; and certificate programs in Alternative Nutrition, in Food Safety, and in Sports Nutrition.

### Undergraduate Degree Programs:

The Bachelor of Science degree in Exercise Science (BSES) is designed primarily to meet the educational needs of students who wish to pursue strong bioscience-based study in Exercise and Nutritional Sciences that will prepare them for post-graduate studies in the above-mentioned fields as well as in various allied health fields (e.g. Physical Therapy, Physician Assistant). The Bachelor of Science degree in Exercise Science has two options: Exercise and Biosciences and Exercise and Nutrition. The Exercise and Biosciences option is designed to provide an in-depth study of the human organism during exercise and the effect of acute and chronic exercise on the human body. It provides a strong background in Biology, Chemistry, Physics, and Mathematics and is intended to arm the students with the knowledge and skills necessary to succeed in graduate studies in Exercise Science (e.g. Clinical Exercise Physiology, Exercise Physiology, Kinesiotherapy, Biomechanics, Motor Control) or Allied Health (e.g. Physician Assistant, Physical Therapy, Occupational Therapy, Chiropractic Medicine, Optometry, Public Health). Furthermore, with additional course work (15 quarter units), students may complete the prerequisites required for admission to other Allied Health professional programs (e.g. Medicine, Osteopathy, Dentistry, Pharmacy). Graduates of this program will also have the same opportunities for careers in physical activity professions available to students in the Kinesiology degree options of Exercise and Human Performance and Rehabilitation and Therapeutic Exercise. The Exercise and Nutrition option prepares students for the above-mentioned graduate studies and careers that are more focused on the nutritional aspects of health, exercise, and performance.

The Bachelor of Science degree in Food Science and Technology is organized to provide knowledge and skills in the area of food safety, food preservation technologies, food analysis, quality assurance, and new product development. This degree is designed to provide technical opportunities for students interested in a career in the food industry in positions such as production manager, food technologist, HACCP coordinator, quality assurance manager, quality control manager, technical service leader, sales representative, regulatory affairs manager, new product innovation manager, health inspection, and research. Students may also prepare for graduate study in Food Science and Technology.

The Bachelor of Science degree in Kinesiology prepares students to be physical activity specialists who pursue careers in organizing and managing health-related exercise programs in community health clubs, corporate fitness centers, and medical settings; developing and managing programs to rehabilitate people with disabilities through the use of exercise; leading physical activity programs in nonprofit community agencies such as YMCAs, Boys and Girls Clubs, or community recreation centers; teaching physical education, adapted physical education, or dance in schools; and coaching athletic teams in schools and colleges. Students can also prepare to study for advanced degrees in Kinesiology or an allied health profession. The Bachelor of Science degree in Kinesiology has four options: Exercise and Human Performance (Option I), Rehabilitation and Therapeutic Exercise (Option II), Community Leadership (Option III), and Subject Matter Preparation for Single Subject Teaching Credential (Option IV). With the Subject Matter preparation for Single Subject Teaching Credential Option, there are three concentrations from which to choose: Physical Education, Adapted Physical Education, and Dance.

The Bachelor of Science degree in Nutritional Science prepares students for careers in nutrition, dietetics, food service administration, food technology, food science, and community nutrition. Students can also prepare to study for advanced degrees in nutritional science, food science and technology, or an allied health profession. The Bachelor of Science degree in Nutritional Science has two options: Nutrition (Didactic Program in Dietetics (DPD) and Coordinated Dietetics Program (CDP)). The Didactic Program prepares students to enter dietetics internships approved by the American Dietetic Association. Graduates of the Coordinated Dietetics Program (CDP) option are fully eligible for membership in the American Dietetic Association and to take the national examination to become a Registered Dietitian (R.D.) The Coordinated Dietetics Program (CDP) option requires a separate application available from the School Office from December 1st of each year through the application deadline in early February.

### **Graduate Degree Programs:**

The Master of Science degree in Kinesiology prepares students to (a) progress in a professional career in exercise and fitness, rehabilitation and therapeutic exercise, physical education teaching, or community leadership; and (b) embark on further graduate study in a doctoral program in Kinesiology or a related discipline. The Master of Science degree in Kinesiology has three options: Exercise Science, Physical Education Instruction and Community Leadership.

The Master of Science degree in Nutritional Science is an individualized program designed to develop specialized professional competence in the selected areas of food science, dietetics and nutrition, while also providing breadth in related areas. The program is designed for persons preparing for positions as public health nutritionists or supervisors in dietetics and food production and service, or doctoral study in nutrition and dietetics. Graduate students seeking to qualify for the Registered Dietitian examination may complete appropriate course work and clinical experiences concurrently with requirements for the master's degree by also completing courses in the Coordinated Dietetics Program (CDP), or the Didactic Program in Dietetics (DPD). The CDP requires a separate application for admission.

To apply to either of the School's graduate programs, students must apply and fulfill University requirements for admission to graduate study and must also submit a separate graduate program application to the School of Kinesiology and Nutritional Science, available from the School office.

Credentials, Certificates and other Non-Degree programs:

The B.S. degree program in Kinesiology Option IV has been approved by the Commission on Teacher Credentialing as the subject matter program designed to qualify students for the Single Subject credential in Physical Education. Students should consult credential advisers in the School of Kinesiology and Nutritional Science and the Charter College of Education. Holders of a Single Subject or Multiple Subject credential issued by the State of California may add a supplemental authorization to teach in another discipline by completing additional course work. See School credential adviser for requirement for a supplementary authorization in physical education.

The program leading to the Adapted Physical Education Specialist credential meets the subject matter requirements and entitles the holder to teach adapted physical education in California to individuals between the ages of 3 and 21 years who have exceptional needs. The 36-unit program is based upon a basic authorization to teach physical education. Candidates must hold (or concurrently complete) a Single Subject credential in Physical Education, a Multiple Subject credential, or an equivalent authorization. They also must maintain a minimum 3.0 grade point average for all courses required in the program, complete directed teaching, and receive School recommendation.

The certificate programs offered by the School of Kinesiology and Nutritional require 24-25 units to complete. The Alternative Nutrition Certificate program (24 units) provides students with validated scientific knowledge and information or identifying effective and safe herbal and nutritional products; nutritional information and data for possibly delaying the onset of chronic diseases such as cancer, heart disease, obesity, diabetes and Alzheimer's; and sound scientific knowledge of the effective use of functional foods and phytochemicals to enhance health. The Food Safety Certificate program (24 units) is designed to educate Nutritional Science students, Food Science and Technology students, foodservice employees, nutritionists, and others about important food safety principles in order to meet the increasing need for professionals trained in food safety methods. The Sports Nutrition Certificate program (25 units) is designed to prepare fitness professionals, coaches, nutritionists, and others to provide fluid and nutrient recommendations, as well as an appropriate exercise prescription, to active people. Students will qualify for the award of the certificates upon the successful completion of the required courses with a minimum 2.0 grade point average.

The School also offers a wide variety of physical activity courses dealing with sports skills and exercise techniques for all university students. Special exercise classes are open to students with disabilities complete details regarding each program and program admission requirements may be found in the Individual program descriptions.

## **The Faculty**

**Professors:** Dwan M. Bridges, Laura Calderon, Andrew Cornwell, Daniel Frankl, Nazareth Khodiguan (*Director*), Samuel E. Landsberger, Anne Larson, John Orta, Chick F. Tam.

**Associate Professors:** Roberta L. Beyer, Ray de Leon, Pera Jambazian.

**Assistant Professor:** Christine Dy, Kathryn A. Hillstrom, Sunil Mangalassary.

**Emeriti:** Jerry Reed Ball, Mary Conroy, Cameron Scott Deeds, Patricia A. Delaney, Rod A. Faurot, Anita H. Fisher, John W. Hermann, Jackie L. Hoyt, Melva E. Irvin, Joan D. Johnson, Karen M. Johnson, Mary A. Kramer, Jane Sanford Lewis, Carol G. McKenzie, Margaret E. McWilliams, Robert A. Miller, Marguerite Mochel, Ron Morris, Reed E. Nilsen, Warren E. Reeves, Pauline E. Schatz, Mary L. Schreiber, Janet A. Seaman, Burton M. Seidler, Patricia L. Wagner, Beverly Y. Warner, Patricia M. White, William E. Wilgus, Emil Wroblicky.

## **Supplementary Authorization**

Holders of a Single Subject or Multiple Subject credential issued by the State of California may add a supplemental authorization to teach in another discipline by completing additional course work. See School credential adviser for requirements for a supplementary authorization in physical education.

## **Programs for this School:**

### **Undergraduate Major**

- Exercise Science, B.S.
- Food Science and Technology, B.S.
  - Kinesiology, B.S.
- Nutritional Science, B.S.

### **Undergraduate Certificate**

- Undergraduate Certificate Program in Alternative Nutrition
  - Certificate Program: Community Nutrition
- Undergraduate Certificate Program in Food Safety
  - Certificate Program in Food Science
- Undergraduate Certificate Program in Sports Nutrition

### **Graduate Major**

- Kinesiology, M.S.
- Nutritional Science, M.S.

### **Credential**

- Adapted Physical Education Specialist Credential
  - Kinesiology, M.S.



## Exercise Science, B.S.

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The Bachelor of Science degree in Exercise Science provides specific preparation in the exercise sciences as well as a strong grounding in the biosciences and/or nutritional science. The degree may lead to graduate study in exercise science or nutritional science; entrance into professional schools in allied health professions; and employment in applied exercise science, kinesiology, or nutrition.

The total number of units required for the Bachelor of Science degree in Exercise Science is 180 units, of which 121 are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives

### Requirements for the Major (121 units)

Requirements for the Bachelor of Science degree in Exercise Science include University requirements, General Education courses, Core and Option courses in the major. Students choose either: Exercise and Biosciences (Option I) or Exercise and Nutrition (Option II).

Students must earn minimum C grades in all required major courses consisting of 79 units in the core and 42 units in the option selected.

### Required Core Courses (79 units)

#### Lower Division Required Courses (46 units)

*\*General Education courses.*

- PSY 150 - Introductory Psychology (4) \*
- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 200A - Human Anatomy and Physiology I (5) \*
- BIOL 200B - Human Anatomy and Physiology II (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- PHYS 101 - Physics (4) \*
- MATH 104A - Precalculus: Algebra (4) \*
- MATH 105 - Introduction to Mathematical Models in Biology (4)

#### Upper Division Required Courses (33 units)

- KIN 310 - Written Communication for Kinesiology (4)
- KIN 335 - Anatomical Kinesiology (4)
- KIN 340 - Applied Biomechanics (5)
- KIN 360 - Physiology of Exercise and Physical Activity (5)
- KIN 460 - Principles of Physical Fitness Assessment (5)
- KIN 461 - Advanced Exercise Physiology (5)
- KIN 465 - Principles of Exercise Prescription (5)

### Options I and II (42 units)

Select one of the following options and complete the required courses; directed and selected electives listed below.

- Exercise and Biosciences
- Exercise and Nutrition

#### Option I. Exercise and Biosciences (42 units)

This option prepares students for graduate study in exercise science, entrance into professional schools in allied health professions, and employment in applied exercise science and kinesiology.

#### Lower Division Required Courses (15 units)

- BIOL 100C - Introductory Biology III (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)

#### Directed Upper Division Electives (10 units)

Select ten units from the following:

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- KIN 436A - Principles of Mobility Training (4)
- KIN 436B - Mobility Training Practicum (2)
- KIN 437 - Disease and Plasticity in Neuromuscular Systems (4)
- KIN 455 - Principles of Clinical Exercise Testing (4)
- KIN 456 - Sport and Exercise Ergogenic Aids (4)
- KIN 485A - Practicum in Exercise and Human Performance (2)
- NTRS 430 - Sports Nutrition (4)
- BIOL 300 - Biometrics (4)
- BIOL 380 - Cell Biology (4)
- BIOL 435 - Neurobiology: Neuroanatomy (4)
- CHEM 291A - Organic Chemistry (3)
  
- CHEM 291B - Organic Chemistry (3)
- or
- CHEM 292A† - Organic Chemistry Laboratory (2)

**Selected/Free Electives (17 units)**

With advisor approval, complete a minimum of 17 units of electives.

## **Option II. Exercise and Nutrition (42 units)**

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This option prepares students for graduate study in exercise science or nutritional science and employment in applied exercise science, kinesiology, or nutrition.

**Lower Division Required Courses (9 units)**

- MICR 151 - Biology of Microorganisms (4)
- CHEM 152† - Fundamentals of Chemistry II (Organic) (5)

**Upper Division Required Courses (17 units)**

- CHEM 353† - Nutritional Aspects of Biochemistry (5)
- NTRS 317 - Fundamentals for Human Nutrition (4)
- NTRS 417A - Advanced Nutrition I (4)
- NTRS 430 - Sports Nutrition (4)

**Selected/Free Electives (16 units)**

With advisor approval, complete a minimum of 16 units of electives.

## Food Science and Technology, B.S.



The Bachelor of Science Degree in Food Science and Technology is organized to provide knowledge and skills in the area of food safety, food preservation technologies, food analysis, quality assurance, and new product development. This degree is designed to provide technical opportunities for students interested in a career in the food industry in positions such as production manager, food technologist, HACCP coordinator, quality assurance manager, quality control manager, technical service leader, sales representative, regulatory affairs manager, new product innovation manager, health inspection, and research. Students may also prepare for graduate study in Food Science and Technology.

### Requirements for the Major (122 units)

The total number of units required for the Bachelor of Science degree in Food Science and Technology is 180 units. After completing the General Education courses required for the Food Science Technology major, the remaining major requirements consist of a lower division core of 29 units and an upper division core of 44 units for a total of 73 units, 24 units of Food Safety Emphasis courses and 4 - 6 units of directed elective. A minimum C grade is required in all courses used to meet major requirements.

Students completing the University requirements and the lower and upper division General Education (G.E.) course requirements listed below as well as the requirements in the major will have fulfilled all university and general education requirements for the degree.

### University Requirements (6-8 units)

- ENGL 102 - Composition II (4)
- HHS 101 - Introduction to Higher Education: Living an Examined Life (4)  
or
- HHS 301 - Transition to Cal State L.A. for Health and Human Services Majors (2)
- UNIV 400 - Writing Proficiency Examination (0)

**Note:**

*Students must pass HHS 101 or HHS 301 within their first two quarters of enrollment.*

### General Education (G.E.) Lower Division Requirements for Food Science and Technology Majors (61 Units)

The following GE program is required for students majoring in Food Science and Technology.

**Note:** *Two Diversity courses (d) must be included in the GE Coursework.*

#### Block A: Basic Subjects (16 Units)

##### A1 Written Communication

- ENGL 101 - Composition I (4)

##### A2 Oral Communication

- COMM 150 - Oral Communication (4) \*

##### A3 Critical Thinking

Select a critical thinking course (4)

##### A4 Mathematical Concepts and Quantitative Reasoning

- MATH 104A - Precalculus: Algebra (4)

##### American Institutions (8 Units)

See the University Catalog for required G.E. courses

#### Block B: Natural Sciences (9 Units)

## **B1 Biological**

- MICR 151 - Biology of Microorganisms (4) \*

## **B2 Physical**

- CHEM 151† - Fundamentals of Chemistry I (5) \*

## **Block C: Humanities (12 Units)**

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Select 12 units from three different areas listed in Block C

## **Block D: Social Sciences (12 Units)**

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- PSY 150 - Introductory Psychology (4) \*

Select 8 additional units from two different disciplines listed in Block D

## **Block E: Lifelong Understanding (4 Units)**

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Select a Lifelong Understanding course listed in Block E

*Note: HHS 101 satisfies both IHE and Block E*

\* = Required for major program and Lower Division GE

## **General Education (G.E.) Coursework Upper Division (12 Units)**

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### **Block F: Upper Division Theme (12 Units)**

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Select an Upper GE Division Theme of your choice with the provision that the two diversity (d) course requirement is being met if it has not already been met with lower division G.E. coursework.

### **Required Core (73 Units)**

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#### **Lower Division Required Core Courses (29 Units)**

These courses must be completed prior to enrollment in upper division major courses:

- BIOL 156 - Plant Biology (4)
- CHEM 152† - Fundamentals of Chemistry II (Organic) (5)
- MATH\* 109 - Quantitative Reasoning with Statistics (4) **also listed as**
- ECON 109 - Quantitative Reasoning with Statistics (4)
- MATH 242 - Mathematics for Business and Economics Majors (4)
- PHYS 156 - Physics for the Twenty-first Century (4)
- NTRS 210 - Foundations of Food (4)
- NTRS 250 - Human Nutrition (4)

#### **Upper Division Required Core Courses (44 Units)**

- CHEM 353† - Nutritional Aspects of Biochemistry (5)
- FST 320 - Food Chemistry (4)
- FST 323 - Food Analysis (2)
- FST 327 - Principles of Food Engineering (4)
- FST 332 - Food Law (3)
- FST 421 - Sensory Evaluation of Food Products (4)
- FST 425 - Food Preservation Technologies (4)
- FST 429 - Food Packaging (4)
- FST 431 - Quality Assurance of Food Products (4)
- FST 446 - Food Product Development (4)
- FST 454 - Special Topics in Food Science (1–4) (2)
- FST 479 - Professional Interactions and Writing Skills (4) **also listed as**
- NTRS 479 - Professional Interactions and Writing Skills (4)

#### **Food Safety Emphasis Courses (24 Units)**

- FST 325 - Food Microbiology (5)
- NTRS 438 - Food-Borne Illnesses: Etiology, Prevention and Control (4) **also listed as**
- PH 438 - Food-Borne Illnesses: Etiology, Prevention and Control (4)
- FST 444 - Food Safety Programs (3)
- FST 447 - Water for Food Processing (4)
- FST 475 - Food Safety: Current Challenges and Trends (4)
- FST 495 - Field Work in Food Safety (4)

#### **Directed Elective (4 -6 units)**

With adviser approval, student completes 4 - 6 units of elective course work in Food Science and Technology or related fields.

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## Kinesiology, B.S.

The Bachelor of Science degree in Kinesiology prepares students to be physical activity specialists who pursue careers in fitness, health, and medical settings (e.g. health clubs, rehabilitative exercise centers); educational settings (e.g. elementary and secondary schools); and community service agencies (e.g. YMCAs, Boys and Girls Clubs, neighborhood recreation centers).

The total number of units required for the Bachelor of Science degree in Kinesiology is 180-181 units, of which 125-126 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (125-126 units)

A total of 180-181 units are required for the Bachelor of Science degree in Kinesiology that includes General Education courses, Kinesiology core courses, and Kinesiology option courses. The latter two categories constitute the requirements for the major and consist of a total of 125-126 units. The Bachelor of Science degree in Kinesiology has four options: Exercise and Human Performance (Option I), Rehabilitation and Therapeutic Exercise (Option II), Community Leadership (Option III), and Subject Matter Preparation for Single Subject Teaching Credential (Option IV). Within the Subject Matter Preparation for Single Subject Teaching Credential Option, there are three concentrations from which to choose: Physical Education, Adapted Physical Education, and Dance.

**Students must earn minimum C grades in all required major courses;** i.e. the 77 units in the core, plus the 48-49 units in the chosen option (48 units in option I, 48-49 units in option II, 48 units in option III, or 48 units in option IV).

### Required Core for All Options (77 units)

#### Lower Division Required Courses (39 units)

*\*General Education Courses.*

- BIOL 200A - Human Anatomy and Physiology I (5) \*
- BIOL 200B - Human Anatomy and Physiology II (5)
- ECON 109 - Quantitative Reasoning with Statistics (4) **also listed as**
- MATH\* 109 - Quantitative Reasoning with Statistics (4) \*
- PH 201 - Medical Emergencies Management (3)
- KIN 250 - Introduction to Kinesiology (4)
- KIN 260 - Computer Applications in Kinesiology (2)
- MATH 102 - College Algebra (4) \*
- PHYS 156 - Physics for the Twenty-first Century (4) \*
- PSY 150 - Introductory Psychology (4) \*
- SOC 201 - Principles of Sociology (4) \*

#### Upper Division Courses (38 units)

Required Courses (34 units)

- KIN 310 - Written Communication for Kinesiology (4)
- KIN 325 - Principles of Physical Fitness (4)
- KIN 340 - Applied Biomechanics (5)
- KIN 360 - Physiology of Exercise and Physical Activity (5)
- KIN 365 - Applied Motor Learning (4)
- KIN 370 - Psychomotor Development (4)
- KIN 375 - Historical Analyses of Physical Activity (4)
- KIN 425 - Dimensions of Kinesiology for Individuals with Disabilities (4)

#### Choose one of the following ( 4 units)

- KIN 380 - Psychological Analyses of Physical Activity (4)
- KIN 385 - Sociocultural Analyses of Physical Activity (4)

### Options I-IV (48–49 units)

Select one of the following options and complete the required courses as listed below.

- Exercise and Human Performance
- Rehabilitation and Therapeutic Exercise
- Community Leadership
- Subject Matter Preparation For Single Subject Teaching Credential

### **Option I: Exercise and Human Performance (48 units)**

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This option prepares students for careers in fitness and related fields. Students acquire skills and knowledge necessary for employment in health and fitness centers, hospitals, orthopedic centers, sport medicine clinics, and similar health care environments.

#### **Required Courses (48 units)**

- KIN 305 - Theory and Analysis of Aquatics (3)
- KIN 330 - Exercise Psychology (4)
- KIN 335 - Anatomical Kinesiology (4)
- KIN 345 - Physiological Effects of Exercise During Aging (4)
- KIN 455 - Principles of Clinical Exercise Testing (4)
- KIN 456 - Sport and Exercise Ergogenic Aids (4)
- KIN 460 - Principles of Physical Fitness Assessment (5)
- KIN 461 - Advanced Exercise Physiology (5)
- KIN 465 - Principles of Exercise Prescription (5)
- KIN 485B - Field Experience in Exercise and Human Performance (4)
- KIN 496 - Capstone Seminar in Exercise and Human Performance (4)

Two units of electives selected with advisor approval.

### **Option II: Rehabilitation and Therapeutic Exercise (48-49 units)**

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This option prepares students to design, develop and implement fitness programs that meet the specific needs of two segments of the general population: 1) people with acute or chronic physical impairments; and 2) healthy older adults. Students also gain valuable hands-on experience in preparation for employment in fitness centers, senior centers, rehabilitation clinics, and hospitals.

#### **Required Courses (44 units)**

Complete all of the following:

- KIN 330 - Exercise Psychology (4)
- KIN 335 - Anatomical Kinesiology (4)
- KIN 430 - Clinical Techniques: Rehabilitation Modalities (4)
- KIN 436A - Principles of Mobility Training (4)
- KIN 436B - Mobility Training Practicum (2)  
(Must be taken twice for a total of 4 units)
- KIN 437 - Disease and Plasticity in Neuromuscular Systems (4)
- KIN 438A - Principles of Exercise for Older Adults (5)
- KIN 438B - Field Experience in Exercise for Older Adults (1)  
(Must be taken twice for a total of 2 units)
- KIN 439 - Rehabilitation Exercise Machines (3)
- KIN 460 - Principles of Physical Fitness Assessment (5)
- KIN 465 - Principles of Exercise Prescription (5)

Complete one of the following (4-5 units)

- KIN 454L - Special Topics in Physical Education (1-4)
- KIN 454P - Special Topics in Physical Education (1-4)
- KIN 461 - Advanced Exercise Physiology (5)
- KIN 485B - Field Experience in Exercise and Human Performance (4)

### **Option III: Community Leadership (48 units)**

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This option prepares students to develop and lead physical activity programs in community agencies such as YMCAs, Boys and Girls Clubs, senior centers, and neighborhood recreation centers. The focus is on working with the local agencies and neighborhood residents in joint planning to develop and maintain physical activity programs that help people identify and realize their full potential as human beings. Students who complete this option will also receive a certificate from the University in Youth Agency Administration.

#### **Required Courses (24 units)**

- KIN 421 - Youth Development and Physical Activity (4)
- KIN 422 - Community Service Learning and Physical Activity Programs (4)
- SW 370 - Field of Social Work (4)
- YAA 290 - Introduction to Youth Agency Administration (4)
  
- POLS 467 - The Third Sector and Nonprofit Organizations (4) **also listed as**
- YAA 467 - The Third Sector and Nonprofit Organizations (4)
  
- YAA 490 - Volunteer Management and Fund-Raising (4)

Select one of the following (4 units):

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- KIN 345 - Physiological Effects of Exercise During Aging (4)
- KIN 440 - Psychosocial Aspects of Exercise During Aging (4)

Internship (6 units)

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- KIN 495A - Early Directed Field Experience in Community Leadership (3)
- KIN 495B - Advanced Directed Field Experience in Community Leadership (3)

#### **Professional Activity Courses (6 units)**

Choose two from the following:

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- KIN 320A - Professional Team Activity #1 - Basketball, Volleyball, Team Handball (3)
- KIN 320B - Professional Team Activity #2 - Flag Football, Soccer, Softball (3)
- KIN 320C - Professional Individual Activity - Archery, Golf, Track and Field (3)
- KIN 320D - Professional Racquet Activity - Badminton, Racquetball, Tennis (3)
- KIN 320E - Professional Aesthetic Activity - Combatives, Dance, Rhythmic Gymnastics (3)
- KIN 320F - Professional Adventure Activity – Outdoor Education, Aquatics, Contemporary Games (3)

#### **Communications (4 units)**

Select one course:

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- COMM 370 - Business and Professional Communications (4)
- COMM 389 - Intercultural Communication in the Urban Environment (4)
- COMM 430 - Dynamics of Organizational Communication (4)
- COMM 489 - Intercultural Communication (4)
- SW 372 - Social Work Practice I: Communication and Interviewing Skills (4)

#### **Marketing (4 units)**

Select one course:

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- MKT 304 - Principles of Marketing (4)
- MKT 453 - Marketing for Nonprofit Organizations (4) (Prerequisite: MKT 304)

### **Option IV: Subject Matter Preparation For Single Subject Teaching Credential (48 units)**

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This option is designed for individuals interested in teaching physical activity in schools. There are three concentrations from which to choose: Physical Education, Adapted Physical Education, and Dance. Students seeking a teaching credential should see advisers in the School of Kinesiology and Nutritional Science or Theater Arts and Dance, and in the Charter College of Education. Refer to the Charter College of Education sections for regulations governing all teaching credential programs.

#### **Required Courses**

- KIN 315 - Early Infusion in Physical Education (4)
- KIN 319 - Instructional Strategies in Physical Education (4)
- KIN 320A - Professional Team Activity #1 - Basketball, Volleyball, Team Handball (3)
- KIN 320B - Professional Team Activity #2 - Flag Football, Soccer, Softball (3)
- KIN 320C - Professional Individual Activity - Archery, Golf, Track and Field (3)
- KIN 320D - Professional Racquet Activity - Badminton, Racquetball, Tennis (3)
- KIN 320E - Professional Aesthetic Activity - Combatives, Dance, Rhythmic Gymnastics (3)
- KIN 320F - Professional Adventure Activity – Outdoor Education, Aquatics, Contemporary Games (3)
- KIN 400 - Elementary School Physical Education Program Design (4)
- KIN 405 - Secondary School Physical Education Program Design (4)
- KIN 415 - Assessment of Physical Activity Instruction (4)
- KIN 475A - Field Experience in Elementary Physical Education (3)
- KIN 475B - Field Experience in Secondary Physical Education (3)
- KIN 490 - Capstone Seminar in Physical Education (4)

### **Adapted Physical Education Concentration (48 units)**

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This concentration is designed for students interested in teaching adapted physical education for individuals with disabilities. Students seeking an Adapted Physical Education Specialist credential must also obtain a Single Subject credential in Physical Education, a Multiple Subject credential, or an equivalent authorization. Students seeking a teaching credential should see advisers in the School of Kinesiology and Nutritional Science and in the Charter College of Education. Refer to Charter College of Education for regulations governing all teaching credential programs.

#### **Required Courses (42 units)**

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- KIN 319 - Instructional Strategies in Physical Education (4)
- KIN 400 - Elementary School Physical Education Program Design (4)



- KIN 405 - Secondary School Physical Education Program Design (4)
- KIN 415 - Assessment of Physical Activity Instruction (4)
- KIN 428 - Psychomotor Assessment for Individuals With Disabilities (3)
- KIN 431 - Low-Incidence Disabilities: Physical Activity Programming and Instruction (3)
- KIN 433 - High-Incidence Disabilities: Physical Activity Programming and Instruction (3)
- KIN 435 - Physical Disabilities and Other Health Impairments: Physical Activity Programming and Instruction (3)
- KIN 475A - Field Experience in Elementary Physical Education (3)
- KIN 475B - Field Experience in Secondary Physical Education (3)
- KIN 480A - Educational Field Experiences in Adapted Physical Education (1)
- KIN 480B - Clinical Field Experiences in Adapted Physical Education (1) repeat for 3 units
- KIN 491 - Capstone Seminar in Adapted Physical Education (4)

### **Selected Electives (6 units)**

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Select two from the following:

- KIN 320A - Professional Team Activity #1 - Basketball, Volleyball, Team Handball (3)
- KIN 320B - Professional Team Activity #2 - Flag Football, Soccer, Softball (3)
- KIN 320C - Professional Individual Activity - Archery, Golf, Track and Field (3)
- KIN 320D - Professional Racquet Activity - Badminton, Racquetball, Tennis (3)
- KIN 320E - Professional Aesthetic Activity - Combatives, Dance, Rhythmic Gymnastics (3)
- KIN 320F - Professional Adventure Activity - Outdoor Education, Aquatics, Contemporary Games (3)

### **Dance Concentration (48 units)**

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This concentration is designed for students interested in teaching physical education and dance. Students desiring to teach dance must obtain a single subject credential in physical education, or a multiple subject credential. Students seeking a teaching credential should see advisers in the School of Kinesiology and Nutritional Science, the Department of Theatre Arts and Dance, and the Charter College of Education. Refer to the Charter College of Education sections of the catalog for regulations governing all teaching credential programs.

#### **Lower Division Required Courses (8 units)**

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- DANC 140A - Beginning Modern Dance (3)
- DANC 272 - Choreography I: Improvisation (3)

**Two units of electives selected with advisor approval.**

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#### **Upper Division Required Courses (40 units)**

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- KIN 319 - Instructional Strategies in Physical Education (4)
- KIN 320A - Professional Team Activity #1 - Basketball, Volleyball, Team Handball (3)
- KIN 400 - Elementary School Physical Education Program Design (4)
- KIN 405 - Secondary School Physical Education Program Design (4)
- KIN 415 - Assessment of Physical Activity Instruction (4)
- KIN 475A - Field Experience in Elementary Physical Education (3)
- KIN 475B - Field Experience in Secondary Physical Education (3)
- DANC 372 - Choreography II: Dance Composition (3)
- DANC 400 - Creative Dance in the Elementary Classroom (3)
- DANC 470 - Theory and Analysis of Dance (3)
- DANC 483 - University Dance Ensemble Tour (3)
- DANC 484 - Educational Dance Tour (3)

## Nutritional Science, B.S.



Students must select one of two available options: the Nutrition Option - Didactic Program in Dietetics (DPD) (which also prepares students to enter dietetics internships approved by the American Dietetic Association) or the Coordinated Dietetics Program (CDP) Option. Graduates of the Coordinated Dietetics Program (CDP) option are fully eligible for membership in the American Dietetic Association and to take the national examination to become a Registered Dietitian (R.D.)

The total number of units required for the Bachelor of Science degree in Nutritional Science is 180-186 units, of which 127-136 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (127–136 units)

The Bachelor of Science degree in Nutritional Science requires a total of 180-186 units. The major requires 41 units in preparatory courses plus 86-95 units, 62 in the core and 24 or 33 in an option.

A minimum C grade is required in **all** courses used to meet major requirements.

#### Preparatory Courses (41 units)

*\*Can also be double counted as General Education courses.*

- ANTH 250 - Cultural Anthropology (4) \*
- **or**
- SOC 201 - Principles of Sociology (4) \*
  
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- CHEM 151† - Fundamentals of Chemistry I (5) \*
- CHEM 152† - Fundamentals of Chemistry II (Organic) (5)
- CHEM 353† - Nutritional Aspects of Biochemistry (5)
- ECON 150 - Economics for the Citizen (4) \*
- MICR 151 - Biology of Microorganisms (4) \*
- PSY 150 - Introductory Psychology (4) \*

#### Required Core Courses (62 units)

*\*Can also be double counted as General Education courses.*

- NTRS 210 - Foundations of Food (4) \*
- NTRS 312 - Cultural Cuisine (4) \*
- NTRS 317 - Fundamentals for Human Nutrition (4)
- NTRS 410 - Experimental Foods (4)
- NTRS 411 - Evaluation of Current Nutrition Concepts (4)
- NTRS 413 - Maternal and Child Nutrition (4)
- NTRS 414A - Institutional Food Service I (4)
- NTRS 414B - Institutional Food Service II (4)
- NTRS 415A - Medical Nutrition Therapy (4)
- NTRS 415B - Medical Nutrition Therapy (4)
- NTRS 417A - Advanced Nutrition I (4)
- NTRS 417B - Advanced Nutrition II (4)
- NTRS 417L - Nutritional Assessment Laboratory (1)
- NTRS 418 - Community Nutrition (4)
- NTRS 434 - Management Principles in Dietetics (5)
- NTRS 479 - Professional Interactions and Writing Skills (4)

#### Options (24-33 units)

- Coordinated Dietetics Program Option (CDP)
- Option in Nutrition (Didactic Program)

#### Coordinated Dietetics Program Option (CDP) (33 units)

The Coordinated Dietetics Program (CDP) option requires a separate application (available each December 1st and due each February 1st). This program is designed for persons seeking both academic course work and supervised practice required to qualify to take the examination to

become a Registered Dietitian. The four-year curriculum integrates academic preparation and clinical experience needed by the generalist in dietetics. Upon passing the national examination administered under the direction of the Academy of Nutrition and Dietetics, graduates are recognized as registered dietitians (R.D.). The Coordinated Dietetics Program (CDP) is currently granted accreditation status by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Chicago, Illinois 60606,(312) 899-0040, ext 5400.

### Eligibility

Students who seek preliminary admission to the CDP must fulfill the following criteria:

- Eligible for admission to Cal State L.A.
- Minimum 3.0 overall grade point average (on a 4.0 scale).
- Minimum 2.75 grade point average in the major, with no grade lower than C in courses required for membership in the ADA.
- Students may repeat CDP courses and prerequisite science courses in which they earned a grade lower than C only once to meet program admission criteria.
- Students must repeat any nutrition and biochemistry prerequisite courses they completed more than three years before beginning the CDP before they may enter the program.
- Satisfactory health for full participation in the clinical program. Before they may enter the CDP, students must complete a physical examination, including Mantoux skin test or chest x-ray and other laboratory tests (including proof of immunity to rubella), as specified in contractual agreements with clinical facilities.
- Upper division standing and completion of the first two years of the Nutritional Science major. Because of the intensity of the CDP, undergraduate students must complete all lower division general education and preparatory courses before they may enter the program.
- Graduate students must have completed all preparatory courses for program admission. When admitted, graduate students enter the CDP as first year students in a two-year program.
- Valid California driver's license and access to an automobile, or transportation to clinical facilities.
- Professional liability, health, and automobile insurance.
- Live Scan Review (background check)

Final approval for admission to the intensive clinical work in the senior year (NTRS 419ABC) is contingent upon recommendation of the CDP Review Board and maintenance of a minimum 2.75 grade point average.

### Required Professional Courses (33 units)

*\* Only CDP students are eligible to take these courses.*

- NTRS 315 - Communication Skills in Dietetics (3)
- NTRS 419A - Supervised Practice in Dietetics (8)
- NTRS 419B - Supervised Practice in Dietetics (8)
- NTRS 419C - Supervised Practice in Dietetics (8)
- NTRS 419S - Seminar: Dietetics (2) repeat for 6 units

### Option in Nutrition (Didactic Program) (24 units)

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The option in Nutrition leads to careers in businesses and agencies involved in nutrition-related products and services and enables students to complete the academic requirements needed to qualify for a dietetic internship or supervised practice needed to qualify to take the examination to become a Registered Dietitian (R.D.). The Didactic Program in Dietetics (DPD) is currently granted accreditation status by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 120 South Riverside Plaza, Chicago, Illinois 60606, (312) 899-0040, ext. 5400.

### Required Professional Courses (7-8 units)

- NTRS 451 - Nutrition and Aging (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)  
or
- COUN 450 - Counseling Theories (3)

### Supporting Professional Courses (16-17 units)

With approval of adviser, complete 16-17 units of additional supporting courses to specialize in an area of interest.

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## Undergraduate Certificate Program in Alternative Nutrition

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This undergraduate credit certificate program requires 24 units to complete. Courses in this program may be taken by coordinated dietetics and nutritional science students to meet this standard. Students must be in upper division standing. A basic course in human nutrition (NTRS 250) is prerequisite to all courses. Health professionals in such disciplines as Dietetic Technician, Health Science, Nursing, Medicine, Pharmacy, Dentistry, Biology and Chemistry would also find this program useful. Students will qualify for the award of the Certificate in Alternative Nutrition upon the successful completion of the required courses with a minimum 2.0 grade point average.

### Requirements for the Certificate (24 units)

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#### Required Courses (16 units)

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- NTRS 462 - Alternative Nutrition (4)
- NTRS 463 - Functional Foods for Health (4)
- NTRS 465 - Medicinal Herbs and Nutrition (4)
- NTRS 467 - Functional Food Design for Health (4)

#### Electives (8 units) Complete 2 courses from following:

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- NTRS 312 - Cultural Cuisine (4)
- NTRS 351 - Adult Nutrition (4)
- NTRS 416 - Child Nutrition (4)
- NTRS 451 - Nutrition and Aging (4)
- NTRS 450N - Nutrition and Well Being (4)

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## Certificate Program: Community Nutrition

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The School of Kinesiology and Nutritional Science offers this undergraduate credit certificate program in Community Nutrition to adequately prepare Nutritional Science students to work as Community Nutritionists. Six of the ten leading causes of death in the United States are linked to a poor diet, and these leading causes of death are all lifestyle related, and preventable. This certificate would focus on strategies for providing good nutrition for vulnerable populations; this would involve assessment, program planning, implementing interventions and evaluation of these programs at non-profit agencies within the greater Los Angeles area. Nutrition interventions can increase quality of life as well as save money - that is, decrease the burden of cost of the nutrition related disorders/diseases/impairments.

### Admission Requirements into the Program

Students must be in upper division standing (completion of at least 90 quarter units) and a minimum 2.0 GPA. A basic course in anatomy and physiology (BIOL200AB or equivalent) as well as general chemistry (CHEM 151) is a prerequisite to all courses.

### Requirements for the Award of the Certificate

Students will qualify for the award of the Certificate in Community Nutrition upon the successful completion of the required courses with a minimum 2.0 grade point average.

**THE PROGRAM:** This program requires 24 units to complete.

#### Nutrition Core Courses (24 units):

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- NTRS 317 - Fundamentals for Human Nutrition (4)
- NTRS 413 - Maternal and Child Nutrition (4)
- NTRS 418 - Community Nutrition (4)
- NTRS 491 - Advanced Community Nutrition: Program Planning and Evaluation (4)
- NTRS 493 - Grant Writing in Community Nutrition (4)
- NTRS 495 - Field Work in Nutritional Science (2-4) (4 units)

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## Undergraduate Certificate Program in Food Safety

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The certificate program in Food Safety offered by the School of Kinesiology and Nutritional Science is designed to educate Nutritional Science students, Food Science and Technology students, foodservice employees, nutritionists, and others about important food safety principles in order to meet the increasing need for professionals trained in food safety methods.

The program requires 24 units to complete. Students will qualify for the award of the Certificate in Food Safety upon the successful completion of the required courses with a minimum 2.0 grade point average.

### Requirements for the Certificate (24 units)

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- NTRS 210 - Foundations of Food (4)
- MICR 151 - Biology of Microorganisms (4)
- FST 325 - Food Microbiology (5)
- FST 444 - Food Safety Programs (3)
- FST 475 - Food Safety: Current Challenges and Trends (4)
  
- NTRS 438 - Food-Borne Illnesses: Etiology, Prevention and Control (4) **also listed as**
- PH 438 - Food-Borne Illnesses: Etiology, Prevention and Control (4)

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## Certificate Program in Food Science

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The certificate program in Food Science offered by the School of Kinesiology and Nutritional Science is designed to educate Food Science and Technology students, Nutritional Science students, food industry professionals, nutritionists, and others about important food science principles in order to meet the increasing need for professionals trained in food science and food product development methods.

The program consists of a total of 25 units, plus 18 units of required prerequisites that must be completed prior to enrollment in the certificate program. Students will qualify for the award of the Certificate in Food Science upon the successful completion of the required courses with a minimum 2.0 grade point average.

### Requirements for the Certificate (25 units)

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#### Required Prerequisites (18 units)

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- NTRS 210 - Foundations of Food (4)
- MICR 151 - Biology of Microorganisms (4)
- CHEM 151† - Fundamentals of Chemistry I (5)
- CHEM 152† - Fundamentals of Chemistry II (Organic) (5)

#### Required Courses (25 units)

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- CHEM 353† - Nutritional Aspects of Biochemistry (5)
- FST 325 - Food Microbiology (5)
- FST 320 - Food Chemistry (4)
- FST 332 - Food Law (3)
  
- NTRS 467 - Functional Food Design for Health (4)  
**Or**
- FST 454 - Special Topics in Food Science (1–4) **Four units**
  
- NTRS 410 - Experimental Foods (4)  
**Or**
- FST 446 - Food Product Development (4)

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## Undergraduate Certificate Program in Sports Nutrition

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The School of Kinesiology and Nutritional Science offers this undergraduate credit certificate program in Sports Nutrition to adequately prepare fitness professionals, coaches, nutritionists, and others to provide fluid, and nutrient recommendations, as well as an appropriate exercise prescription to active people.

The program requires 25 units to complete. Courses in this program may be taken by Kinesiology and Nutritional Science students in upper division or graduate level standing. Students in other health related disciplines such as Dietetic Technician, Nursing, Health Science, Chemistry or Biology might also find this certificate program useful. Anatomy Physiology (BIOL200AB) and Chemistry (Chemistry 151/152) are prerequisites to this certificate program. NTRS317 is a prerequisite for all 400/500 NTRS courses in this certificate program, and KIN 360 is a prerequisite for KIN 456. Students must be in upper division standing. Students will qualify for the award of the Certificate in Sports Nutrition upon the successful completion of the required courses with a minimum 2.0 grade point average.

### Requirements for the Certificate (25 units)

#### Required Courses: Nutrition: (12 units)

- NTRS 317 - Fundamentals for Human Nutrition (4)
- NTRS 430 - Sports Nutrition (4)
- NTRS 411 - Evaluation of Current Nutrition Concepts (4)
- **or**
- NTRS 513 - Advanced Problems and Topics in Nutritional Science (4) (*graduate students only*)

#### Required Courses: Kinesiology: (13 units)

- KIN 360 - Physiology of Exercise and Physical Activity (5)
- KIN 325 - Principles of Physical Fitness (4)
- KIN 456 - Sport and Exercise Ergogenic Aids (4)

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Sports Nutrition

**Occupations that this certificate program prepares students to enter:**

-Fitness Trainers and Aerobics Instructors; SOC Code 39-9031;

[www.onetonline.org/link/summary/39-9031.00](http://www.onetonline.org/link/summary/39-9031.00)

-Athletic Trainers; SOC Code 29-9091;

[www.onetonline.org/link/summary/29-9091.00](http://www.onetonline.org/link/summary/29-9091.00)

-Coaches and Scouts; 27-2022;

[www.onetonline.org/link/summary/27-2022.00](http://www.onetonline.org/link/summary/27-2022.00)

-Dietitians and Nutritionists; SOC Code 29-1031;

[www.onetonline.org/link/summary/29-1031.00](http://www.onetonline.org/link/summary/29-1031.00)

- Dietetic Technicians; SOC Code 29-2051.00;

[www.onetonline.org/link/summary/29-2051.00](http://www.onetonline.org/link/summary/29-2051.00)

- Recreation and Fitness Studies Teachers, Postsecondary; SOC Code 25-1193.00;

[www.onetonline.org/link/summary/25-1193.00](http://www.onetonline.org/link/summary/25-1193.00)

- Fitness and Wellness Coordinators; SOC Code 11-9039.02;

[www.onetonline.org/link/summary/11-9039.02](http://www.onetonline.org/link/summary/11-9039.02)

- Sports Medicine Physician; SOC Code 29-1069.11;

[www.onetonline.org/link/summary/29-1069.11](http://www.onetonline.org/link/summary/29-1069.11)

- Athletes and Sports Competitors; SOC Code 27-2021.00;

[www.onetonline.org/link/summary/27.2021.00](http://www.onetonline.org/link/summary/27.2021.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**



Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Kinesiology, M.S.



The Master of Science degree in Kinesiology prepares students to (a) progress in a professional career in exercise and fitness, rehabilitation and therapeutic exercise, physical education teaching, or community leadership; and (b) embark on further graduate study in a doctoral program in Kinesiology or a related discipline.

### Admission to the Program

Graduate degree applicants must meet the University requirements for admission which include a baccalaureate degree from an accredited institution. To be admitted into the Master of Science degree program in Kinesiology, applicants must also meet the following:

- A. Grade point average of at least 2.75 in last 90 quarter units (60 semester units) attempted
- B. Appropriate undergraduate preparation for desired specialization within the discipline of Kinesiology
- C. Two letters of recommendation
- D. Statement of goals for graduate study
- E. Submission of GRE general test scores

### Requirements for the Degree (45 units)

A total of 45 units are required for graduation. This includes the common core (13 units), and an option (32 units). At least 29 units must be at the 500-level, and at least 29 units must be in Kinesiology. No more than 12 units of KIN 598, Graduate Directed Study, may be included. To develop the 45-unit course of study, each student consults with an assigned graduate adviser who must approve the courses selected. Approval of the student's graduate adviser is a specific prerequisite for enrollment in KIN 599, Thesis or Project, and students must enroll in a total of 6 units to complete this course.

#### Common Core (13 units)

Complete the following:

- KIN 503 - Applied Statistics in Kinesiology (4)
- KIN 504 - Research Design in Kinesiology (5)
- KIN 507 - Cultural Analyses of Sport in the United States (4)

#### Options (32 units)

Complete one of the following:

- Exercise Science
- Physical Education Instruction
- Community Leadership

#### Option I: Exercise Science (32 units)

This Option prepares students for advanced professional positions in the fitness and rehabilitation exercise industries, and for advanced doctoral study.

##### Required Courses (24 units):

- KIN 560 - Cardiorespiratory Aspects of Human Performance (4)
- KIN 561 - Neuromuscular Aspects of Human Performance (4)
- KIN 562 - Exercise Interventions in Cardiac Rehabilitation (4)
- KIN 563 - Exercise Interventions in Neuromuscular Rehabilitation (4)
- KIN 580 - Exercise Psychology (4)

Select one of the following:

- KIN 564 - Exercise Interventions for Special Populations (4)
- KIN 565 - Endocrine Aspects of Human Performance (4)

### **Electives (8 units).**

- KIN 599 - Thesis or Project (1–6) can be counted as an elective.

### **Option II: Physical Education Instruction (32 units)**

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This Option prepares students for advancement in professional positions involving teaching physical education in schools and other community settings, and for advanced doctoral study.

#### **Required Courses (16 units):**

- KIN 545 - Research on Effective Teaching in Physical Education (4)
- KIN 546 - Analysis of Physical Education Programming (4)
- KIN 548 - Physical Activity Program Leadership (4)
- KIN 549 - Portraits of Physical Activity Experiences (4)

#### **Electives (16 Units)**

- KIN 599 - Thesis or Project (1–6) can be counted as an elective.

### **Option III: Community Leadership (32 units)**

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This Option prepares students for advanced professional positions in physical activity programming for nonprofit, community, and government agencies; for general leadership positions in such agencies; and for advanced doctoral study.

#### **Required Courses (16-24 units):**

Required for students who did not complete a B.S degree in Kinesiology at Cal State L.A. with an option in community leadership (8 units):

- KIN 421 - Youth Development and Physical Activity (4)
- KIN 422 - Community Service Learning and Physical Activity Programs (4)

#### **Required for All Students (16 units):**

- KIN 548 - Physical Activity Program Leadership (4)
- KIN 549 - Portraits of Physical Activity Experiences (4)
- KIN 555 - Community Development and Physical Activity Programming (4)
- POLS 568 - Seminar: Community Development Administration (4)

#### **Electives (8-16 units)**

- KIN 599 - Thesis or Project (1–6) can be counted as an elective.

#### **Culminating Experience (0 or 6 units)**

Students in all Options must complete one of the following:

- KIN 596 - Comprehensive Examination (0)
- KIN 599 - Thesis or Project (1–6)

## Nutritional Science, M.S.



The Master of Science degree in Nutritional Science is an individualized program designed to develop specialized professional competence in the selected areas of food science, dietetics and nutrition, while also providing breadth in related areas. The program is designed for persons preparing for positions as public health nutritionists or supervisors in dietetics and food production and service, or doctoral study in nutrition and dietetics.

Graduate students seeking to qualify for the Registered Dietitian examination may complete appropriate course work and clinical experiences concurrently with requirements for the master's degree by also completing courses in the Coordinated Dietetics Program (CDP), or the Didactic Program in Dietetics (DPD). The CDP requires a separate application for admission.

### Admission to the Program

Graduate degree applicants must meet the university requirements for admission, which include a baccalaureate degree from an accredited institution. To be admitted into the Master of Science degree program in Nutritional Science, applicants must also meet the following:

1. Apply to the University by March 1 to be eligible for Fall Quarter entry; admission is limited to Fall Quarter only.
2. Grade point average of at least 3.0 in last 90-quarter units (60 semester units) attempted.
3. Appropriate undergraduate preparation for desired specialization within the discipline of nutritional science.
4. Two letters of recommendation.
5. Statement of goals for graduate study.
6. Submission of G.R.E. (completed within the past five years) with minimum scores of: Verbal-400 (146 on new test); Quantitative 500 (144 on new test); and Analytical Writing- 3.5.
7. Completion of the following prerequisites:
  - BIOL 200A - Human Anatomy and Physiology I (5)
  - BIOL 200B - Human Anatomy and Physiology II (5)
  - CHEM 151† - Fundamentals of Chemistry I (5)
  - CHEM 152† - Fundamentals of Chemistry II (Organic) (5)
  - CHEM 353† - Nutritional Aspects of Biochemistry (5)
  - MICR 151 - Biology of Microorganisms (4)
  - NTRS 210 - Foundations of Food (4)
  - NTRS 317 - Fundamentals for Human Nutrition (4)

**NOTE: This secondary application to the School of Kinesiology and Nutritional Science must be submitted by March 15.**

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 in 500-level courses

#### Required 400-level courses (0-21 units)

All of the following courses are required. Students who took these courses as an undergraduate must select (with the approval of their adviser) additional 400 or 500-level courses that contribute to their professional and scholarly objectives.

An upper division statistics course is required prior to taking NTRS 511 or 599. EDFN 452, HHS 400 or equivalent course may be used to meet this requirement. This course may be applied to the M.S. program plan.

Students may not enroll in 500-level courses in nutritional science before completing all of the 400-level courses listed below.

- NTRS 410 - Experimental Foods (4)
- NTRS 415A - Medical Nutrition Therapy (4)
- NTRS 415B - Medical Nutrition Therapy (4)
- NTRS 417A - Advanced Nutrition I (4)
- NTRS 417B - Advanced Nutrition II (4)
- NTRS 417L - Nutritional Assessment Laboratory (1)  
*NTRS 419ABC and NTRS 419S may not be included in a student's course of study for the Master's Degree in Nutritional Science.*

#### Required 500-level courses (8-9 units)

- NTRS 511 - Research Concepts and Methodology in Nutritional Science (4) \*  
or
- KIN 504 - Research Design in Kinesiology (5) \*
- NTRS 513 - Advanced Problems and Topics in Nutritional Science (4)  
*\*An upper division statistics course, approved by adviser, must be completed prior to taking NTRS 511 or KIN 504*

### Select two or more of the following (8-16 units):

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- NTRS 521 - Advanced Topics in Eating Behaviors (4)
- NTRS 523 - Advanced Topics in Dietetic Management (4)
- NTRS 525 - Advanced Topics in Food Science and Technology (4)
- NTRS 527 - Nutritional Epidemiology (4)

### Electives (0-29 units)

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- NTRS 519 - Seminar: Special Topics in Food and Nutritional Science (4)
- NTRS 595 - Fieldwork in Nutritional Science (2-4)
- NTRS 597 - Graduate Research (1-4) (4)

**Note:**

Other courses that contribute to the student's professional and scholarly objectives, selected with approval of adviser. No more than 12 units may be counted in disciplines other than nutritional science.

### Comprehensive Examination, Thesis or Project (0, 6 units)

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Students planning to take the comprehensive exam should enroll in NTRS 596 during the quarter in which they complete all other course work listed on their course of study.

- NTRS 596 - Comprehensive Examination (0)  
or
- NTRS 599 - Thesis or Project (1-6)

## Adapted Physical Education Specialist Credential

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The program leading to the Adapted Physical Education Specialist credential meets the subject matter requirements and entitles the holder to teach adapted physical education in California to individuals between the ages of 3 and 21 years who have exceptional needs. The 36-unit program is based upon a basic authorization to teach physical education. Candidates must hold (or concurrently complete) a Single Subject credential in Physical Education, a Multiple Subject credential, or an equivalent authorization. They also must maintain a minimum 3.0 grade point average for all courses required in the program, complete directed teaching, and receive School recommendation.

### Required Courses (36 units)

- KIN 425 - Dimensions of Kinesiology for Individuals with Disabilities (4)
- KIN 428 - Psychomotor Assessment for Individuals With Disabilities (3)
- KIN 431 - Low-Incidence Disabilities: Physical Activity Programming and Instruction (3)
- KIN 433 - High-Incidence Disabilities: Physical Activity Programming and Instruction (3)
- KIN 435 - Physical Disabilities and Other Health Impairments: Physical Activity Programming and Instruction (3)
- KIN 480A - Educational Field Experiences in Adapted Physical Education (1)
- KIN 480B - Clinical Field Experiences in Adapted Physical Education (1) repeat for 3 units
- KIN 491 - Capstone Seminar in Adapted Physical Education (4)
- KIN 535 - Organizational Strategies for Adapted Physical Education (4)
- KIN 536 - Seminar: Issues in Adapted Physical Education (4)
- EDCI 535 - Teaching for Cross-Cultural and Global Awareness (4)

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## School of Nursing

### SCHOOL OFFICE

Simpson Tower F417

Phone: (323) 343-4700

Cynthia B. Hughes, Director

E-mail: [nursing@cslanet.calstatela.edu](mailto:nursing@cslanet.calstatela.edu)

Website: [www.calstatela.edu/academic/hhs/nursing/index.htm](http://www.calstatela.edu/academic/hhs/nursing/index.htm)

The faculty in the School of Nursing believes that nursing is a health care profession, which systematically assists patients/clients to achieve health or health-related goals. The focus of nursing is on a health promotion system of care and nurses provide health care for individuals, families and communities. Further, the faculty believes that students, endowed with the capacity for self-direction, are responsible for their own learning and self-development.

The nursing curriculum prepares nurses for professional careers in the maintenance and promotion of health and in supportive, preventive, therapeutic, and restorative nursing care for individuals, families, and communities in institutional and community-based settings. Students who complete the undergraduate program will have acquired knowledge and skills specific to generalized professional nursing practice and will be qualified to assume leadership roles. Students who complete the graduate program will be prepared to function in advanced nursing practice roles as nurse practitioners, clinical nurse specialists, or case managers or in nursing administration or education roles.

## The Faculty

**Professors:** Thomas Barkley, Jr., Eleanor Ferguson-Marshalleck, Cynthia B. Hughes (Director), Beatrice Yorker.

**Associate Professors:** Lorie H. Judson, Paula Vuckovich, Ming-Fang Wang, Gail Washington.

**Assistant Professors:** Margaret Avila, Jon D. Christensen, Darlene N. Finocchiaro, Karen Herold, Donna Scemons, Mary Anne Schultz, Nnenna Weathers.

**Emeriti:** Marlohn Balas, Evelyn Malkin Barclay, Beverly R. Bigler, Henry Etta Brown Blackmon, Miriam M. Blomquist, Randy M. Caine, Patricia A. Chin, Sarah P. Farnham, Marlene Farrell, Marilyn Friedman, Jo Ann Johnson, Wanda L. King, Jung Kim Miller, Irene M. Molloy, Freda V. O'Bannon-Lemmi, Helen M. O'Connell, Marjorie Elaine O'Leary, Judith L. Papenhausen, Barbara Peterson Sinclair, S. Winifred Utz, Diane Vernon, Rhea P. Williams, Ruth R. Wu, DeAnn Marie Young.

## Programs for this School:

### Undergraduate Major

- Nursing, B.S.

### Graduate Major

- Nursing, M.S.

### Graduate Certificate

- Post Master's Certificate in Acute Care Nurse Practitioner (ACNP): Adult Specialty
  - Post Master's Certificate in Adult Nurse Practitioner Speciality (ANP)
    - Post Master's Certificate in Family Nurse Practitioner (FNP)
  - Post Master's Certificate in Nurse Practitioner: Psychiatric/Mental Health
    - Nursing Administration
      - Post Master's Certificate in Nursing Education
  - Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality
    - Psychiatric/Mental Health Clinical Nurse Specialist

### Credential

- Health Services Credential: School Nurse Services
-

## Nursing, B.S.

The professional nursing curriculum leads to the Bachelor of Science degree with a major in Nursing. The undergraduate program is approved by the California Board of Registered Nursing (BRN) and accredited by the Commission on Collegiate Nursing Education (CCNE) One Dupont Circle, NW, Suite 530, Washington, DC 20036-2001. Some courses are open to non-majors who may find one or more courses helpful in achieving their own professional or personal goals.

The total number of units required for the Bachelor of Science degree in Nursing is 180-195 units, of which 99-111 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Admission to the Program

The program consists of two pathways to the degree, each of which has separate admission criteria and program requirements.

#### Basic Pre-Licensure BSN Program

In this pathway to the BSN degree, freshmen, transfer, or continuing students are first admitted as pre-nursing majors, provided that they meet the supplementary eligibility requirements, and then they must complete the prerequisites for the nursing major as part of their basic pre-licensure program.

The requirements for admission to the basic pre-licensure program for entering freshmen are a 3.0 high school GPA and an SAT score of 900 on the math and verbal portions of the exam. The requirements for admission to the pre-nursing major for continuing or transfer students are a 2.75 GPA in at least 20 units of the required prerequisite coursework and a 2.75 cumulative GPA.

Entering freshmen are admitted as pre-nursing majors through the admissions process if they designate pre-nursing as their intended major and meet the eligibility requirements. Transfer students and continuing students seeking admission to the pre-nursing major must obtain approval from a pre-nursing adviser in the University Academic Advisement Center provided they have met the eligibility requirements. Pre-nursing majors may apply to be admitted as nursing majors once they successfully complete the prerequisites for the nursing major.

Applicants to the nursing major are screened competitively based on a variety of indicators. Please check the School of Nursing website for a complete, discussion of the admission process to the school. <http://www.calstatela.edu/dept/nursing/index.htm>

#### RN BSN Transfer Program

The second pathway is the R.N. BSN Transfer Program, in which students who possess a California R.N. License and transfer in with an Associate of Arts or Associate of Science in Nursing or with an NLNAC Accredited diploma are admitted directly to the nursing major.

Admission to the RN-BSN Program also requires a separate application with a copy of the CA RN license attached. The minimum GPA accepted from the transfer institution is 2.00. Please check the school of nursing website for further details.

Applications are accepted September 1 to December 1 of each academic year. Applications are submitted the year prior to beginning nursing courses. Contact school of nursing for further details or look on the school of nursing website: <http://www.calstatela.edu/dept/nursing/index.htm>

### Required Prerequisites (37 units)

The following courses are prerequisites for admission to The Bachelor of Nursing program: For both the Basic Pre-Licensure BSN student and the RN BSN transfer student:

- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- CHEM 151† - Fundamentals of Chemistry I (5)
- ENGL 101 - Composition I (4)
- \* MICR 201 - Microbiology for Health Related Sciences (4)
- \* MICR 202 - Microbiology Laboratory for Health Related Sciences (2)
- PSY 150 - Introductory Psychology (4)
- COMM 150 - Oral Communication (4)

### Completion of one course meeting the general education requirement in critical thinking:

- PHIL 160 - Critical Thinking (4)
- PHIL 250 - Introduction to Symbolic Logic (4)



- POLS 155 - Critical Analysis of Political Communication (4)  
or
- COMM 176 - Argumentation (4)

*\*Students entering with 4 or more semester units (6 or more quarter units) of credit from an accredited college for a course including laboratory satisfy this requirement by transfer credit.*

## General Information

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Students in the nursing program must carry university liability insurance, personal health insurance, and workers' compensation when required by a clinical agency. Nursing students must have a valid California driver's license and access to an automobile covered by appropriate automobile insurance. Prior to entering the first clinical lab, students must have a current CPR card, a physical examination, proof of immunity to rubella and hepatitis B and other specified infectious diseases, a two-step Mantoux skin test and a chest X-ray, if there is proof of a positive TB skin test.

Additional immunizations may be necessary if required by clinical agencies. Annual renewal of CPR certification, an annual physical examination and a two step Mantoux skin test or chest x-ray, if indicated, will be required. Information about professional behavior, clinical attire and picture identification regulations can be found in the undergraduate student handbook. All nursing students are required to complete a background check upon admission to the program.

Potential applicants are strongly encouraged to carefully assess any personal criminal background before applying to the School of Nursing. Nursing students must have a cleared background check that is acceptable to clinical agencies after acceptance to the School of Nursing. Since the California State Board of Nursing makes the final determination on eligibility for licensure, a positive background check may be a barrier to licensure, certification and employment.

## School Regulations

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- Students in the Nursing major must maintain good academic standing and attain grades of C or better in all nursing courses and in all natural and social science courses prerequisite or corequisite to the major. Nursing courses and prerequisite science courses for which the student earns less than a grade of C may be repeated only once, and then with instructor consent. Students who receive a C- or lower in the same course for the second time or receive a C- or lower in three separate courses will not be allowed to continue in the BSN program. To meet the requirement of continuing satisfactory performance, students on academic probation are not permitted to enroll in a nursing course until the probation has been removed.
- Students may not enroll in any course that requires other nursing prerequisites unless the prerequisite courses are completed with grades of C or better.
- Basic nursing students must take at least two diagnostic readiness tests for the R.N. Licensure Examination (NCLEX) at their own expense, one prior to NURS 486 and one while enrolled in NURS 486.

## Requirements for the Major (99-111 units)

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The basic program requires a total of 195 units for the degree, including 111 units in required courses in nursing and related fields. The RN BSN transfer program requires a total of 180 units for the degree, including 99 units in required courses in nursing and related fields. See Undergraduate Studies: General Information for details about General Education and other requirements that constitute the units outside the major.

### Required in Related Fields (12-16 units)

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- NTRS 317 - Fundamentals for Human Nutrition (4)
- NTRS 250 - Human Nutrition (4)
- \*\* PSY 160 - Psychology of the Developing Person (4)
- SOC 201 - Principles of Sociology (4)
- \*\*\* MATH\* 109 - Quantitative Reasoning with Statistics (4)  
\*\* RN Transfer students are exempt.  
\*\*\* Students entering with three or more semester units of inferential statistics meet this requirement by transfer credit.

### Required in Nursing (87-95 units)\*

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#### Lower Division Required Courses RN BSN (44-49 units)

Students in the Basic BSN program are required to complete the 49 units of lower division coursework listed below. Students in the RN BSN Transfer program meet these lower division required courses by completing 44 nursing units of transfer credit granted by the School of Nursing for RN transfer students only.

- NURS 100 - Introduction to Professional Nursing Process and Skills I (2)
- NURS 105 - Introduction to Professional Nursing Process and Skills Laboratory I (1)
- NURS 210 - Introduction to Professional Nursing Process and Skills II (3)
- NURS 211 - Introduction to Professional Nursing Process and Skills Laboratory II (3)
- NURS 214 - Introduction to the Art and Science of Nursing (3)
- NURS 215 - Clinical Introduction to Professional and Clinical Practice Issues (1)
- NURS 216 - Nursing Care of Women, Child-bearing Families and Infants (3)
- NURS 217 - Nursing Care of Women, Child-bearing Families and Infants Lab (3)
- NURS 218 - Information Literacy for Nurses (1)
- NURS 220 - Nursing Care of Children (3)
- NURS 221 - Nursing Care of Children Clinical Laboratory (3)
- NURS 222 - Acute Professional Nursing Care of Adults I (3)

- NURS 223 - Acute Professional Nursing Care of Adults Laboratory I (4)
- NURS 224 - Acute Professional Nursing Care of Adults II (3)
- NURS 225 - Acute Professional Nursing Care of Adults Laboratory II (4)
- NURS 250 - Introduction to Pathophysiology for Nursing Practice (4)
- NURS 272 - Introduction to Health Assessment and Promotion Across the Life Span (3)
- NURS 273 - Introduction to Health Assessment and Promotion Across The Life Span Laboratory (2)

Note:

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Students must complete the natural science courses before beginning upper division courses. R.N. students may enroll in the last natural science course concurrent with the first quarter of 300-level nursing courses.

## Upper Division Required Courses (43-46 units)

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Basic BSN students are required to take 46 upper division units. RN BSN Transfer students are required to take 43 upper division units.

### Upper division courses required only for students in the Basic Pre-Licensure BSN program (20 units)

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- NURS 300 - Acute Nursing Care of Adults III (3)
- NURS 301 - Acute Nursing Care of Adults Laboratory III (3)
- NURS 318 - Nursing Care of Psychiatric Patients (3)
- NURS 319 - Psychiatric Clinical Nursing Lab (3)
- NURS 360 - Pharmacology (2)
- NURS 486 - Transition to Nursing Professional Practice (2)
- NURS 487 - Transition to Nursing Professional Practice Laboratory (4)

### Upper division courses required only for students in the RN BSN Transfer program (17 units)

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- NURS 346 - Family Nursing (3)
- NURS 348A - Development for Professional Practice (4)
- NURS 349A - Development for Professional Practice Laboratory (1)
- NURS 350 - Pathophysiology For Nursing Practice (4)
- NURS 372 - Health Assessment and Promotion Across the Life Span (3)
- NURS 373 - Health Assessment and Promotion Across the Life Span Laboratory (2)

### Upper division courses required for all nursing majors (26 units)

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- NURS 394 - Nursing Concepts in Health Promotion: Prevention, Treatment and Adherence (4)
- NURS 450 - Nursing Leadership and Management Dynamics (2)
- NURS 451 - Nursing Leadership and Management Dynamics Laboratory (2)
- NURS 470 - Community/Public Health Nursing (4)
- NURS 471 - Community/Public Health Nursing Lab (4)
- NURS 476 - Nursing and the Health Care System (2)
- NURS 490 - Introduction to Nursing Research (4)
- NURS 496 - Nursing Case Management for Vulnerable Populations (2)
- NURS 497 - Nursing Case Management of Vulnerable Populations Lab (2)

#### Notes:

\* If after completion of all University and Nursing major requirements additional units are required for graduation, it is recommended that students complete up to six units in Nursing elective courses.

\*\* Required only of basic students.

\*\*\* Required only of R.N. transfer students.

## Nursing, M.S.

The Master of Science degree in Nursing provides advanced study in selected areas. A total of 45-75 units in nursing is required depending on the option chosen. Students select from the following options:

### Graduate Nursing Specialty Options

- **Nursing Administration Option (45 units)**
- **Nursing Education Option (49-54 units)**
- **Psychiatric Mental Health Clinical Nurse Specialist Option (58-63 units)**
- **School Health: Credential Preparation Option (48-53 units)**      **OPTION SUSPENDED UNTIL 2014**
- **School Health: Teaching Authorization Option (45 units)**

### Nurse Practitioner Options

- **Nurse Practitioner: Adult Acute Care Option (Minimum 64 units)**
- **Nurse Practitioner: Adult Option (minimum 65 units)**
- **Nurse Practitioner: Family Option (minimum 75 units)**
- **Nurse Practitioner Pediatric Option (minimum 64 units)**      **OPTION SUSPENDED UNTIL 2014**
- **Nurse Practitioner: Family Psychiatric/Mental Health Option (minimum 74 units)**

Every student is required to take 14 units of graduate core courses, 7-24 units of advanced nursing practice core courses (depending on option), and required specialty courses.

The Master of Science degree in Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE) One DuPont Circle, NW, Suite 530 Washington, DC 20036-2001

Students may gain admission to the MS in Nursing program in one of three ways: through the traditional master's program, through the Entry Level Master's in Nursing program (ELMN), or through the Blended Master's Program. The admission requirements for each of these programs are specified below.

### Admission to Accelerated Master's Program

Acceptance to the graduate program in Nursing occurs once each year in the Fall Quarter. Students first apply to the university and then separately, complete the school of Nursing MSN application. A personal interview and/or onsite written assignment may also be required as components of the application process.

### Applicants must fulfill the following prerequisites and criteria:

- Equivalent of requirements for Bachelor of Science Degree in Nursing from an NLN or CCNE accredited program in effect at the time of admission as a graduate;
- Minimum B (3.0) grade point average in upper division nursing courses;
- 3.0 grade point average in the last 90 quarter units attempted;
- Completion of a second application to the School of Nursing including 3 references and an essay;
- Completion of an Upper Division statistics course which is four quarter units or more and includes inferential statistics content;
- NURS 490 or equivalent undergraduate nursing research course;
- For NP and CNS students: Completion of a recent basic physical assessment course;
- Current licensure to practice nursing as an RN in California and cleared background check.

Potential applicants are strongly encouraged to carefully assess any personal criminal background before applying to the School of Nursing. Nursing students must have a cleared background check that is acceptable to clinical agencies after acceptance to the School of Nursing. Prior to entering the first clinical lab, students must have university liability insurance, current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest x-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

## School Regulations

Per university policy MSN students are required to maintain an overall GPA of at least 3.0. In addition, in the school of nursing, students who receive two grades of C- or lower will not be allowed to continue in the MSN program.

## Admission and Classified Standing Requirements for the Entry Level Master's in Nursing (ELMN) Program for Non-RNs with a Baccalaureate (or Higher) Degree in Another Field

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Applicants who possess a baccalaureate (or higher) degree in another field but who do not possess an RN must meet the following admission requirements:

- Completion of bachelor's (or higher) degree in any field
- Minimum GPA 3.0 in last 90 units
- Completion of prerequisite courses
- A selected test of basic academic skills administered by the School of Nursing will be required prior to consideration for admission into the program.
- Top ranking applicants will be invited for an interview and on-site writing sample. Admission decisions will be made after this process.

## Prerequisite Courses

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Prior to beginning the ELMN program students must have completed the following courses or their equivalents as approved by the School of Nursing:

- CHEM 151† - Fundamentals of Chemistry I (5)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- MICR 201 - Microbiology for Health Related Sciences (4)
- MICR 202 - Microbiology Laboratory for Health Related Sciences (2)
- ENGL 101 - Composition I (4)
- PSY 160 - Psychology of the Developing Person (4)
- NTRS 250 - Human Nutrition (4)
- or
- NTRS 317 - Fundamentals for Human Nutrition (4)
- SOC 201 - Principles of Sociology (4)
- or
- ANTH 250 - Cultural Anthropology (4)
- HHS 400 - Statistics in Health and Human Services (4)
- or
- EDFN 452 - Statistics in Education (4)
- or
- MATH 274 - Introduction to Statistics (4)

## ELMN Program Nursing Pre-Licensure Requirements

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Successful completion of 76 units of basic nursing courses and passing the NCLEX examination for RN licensure is required prior to changing from conditionally classified to classified graduate student status in the ELM program. Students apply to MS specialty options they are interested in and once accepted are classified in that option. The following 76 units of basic nursing courses are required with a minimum 3.0 GPA and no less than a C in each course. These courses will be offered through special sessions via extended education.

- NURS 320 - Fundamentals of Nursing (5)
- NURS 321 - Practicum: Fundamentals of Nursing (5)
- NURS 328 - Pathophysiology (3)
- NURS 362 - Health Assessment and Health Promotion Across the Life Span (3)
- NURS 323 - Practicum: Nursing Care of Adults and Older Adults (6)
- NURS 360 - Pharmacology (2)
- NURS 424 - Introduction to Nursing Research (3)
- NURS 324 - Nursing Care of Women, Childbearing Families and Infants (4)
- NURS 325 - Practicum: Nursing Care of Women, Childbearing Families, and Infants (3)
- NURS 326 - Nursing Care of Children (3)
- NURS 327 - Practicum: Nursing Care of Children (3)
- NURS 434 - Nursing Case Management of Clients with Chronic Illness Across the Life Span (4)
- NURS 440 - Psychiatric and Mental Health Nursing (3)
- NURS 441 - Practicum: Psychiatric and Mental Health Nursing (3)
- NURS 442 - Community Health Nursing (5)
- NURS 443 - Practicum: Community Health Nursing (4)
- NURS 444 - Advanced Nursing Concepts and Leadership (4)
- NURS 445 - Practicum: Advanced Nursing Concepts and Leadership (4)
- NURS 498 - Advanced Cooperative Education (1-4)

## Admission to Blended Master's Program

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### BLENDING PROGRAM SUSPENDED UNTIL 2014

The Blended Master's Program combines undergraduate coursework with graduate coursework and may lead to the awarding of a Baccalaureate Degree in Nursing in addition to the M.S. Degree in Nursing, provided that all requirements for the B.S. in Nursing are met. The School of Nursing

offers two tracks in the Blended Master's program. After completion of undergraduate requirements the students select one of the options in the MS in Nursing program.

### **Track I. Admission Requirements to the Blended Master's Program for RNs with a Non-Nursing Baccalaureate**

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- A baccalaureate from an accredited institution with a major other than nursing;
- An A.A. or A.S. degree in nursing from an accredited college or an NLN-accredited diploma program;
- Completion of current B.S. Degree in Nursing course prerequisites;
- Eligibility for university admission in conditionally classified graduate standing;
- A minimum 2.75 grade point average in the last 90 quarter units attempted; and
- Current licensure to practice nursing in California and university liability insurance.

#### **To continue in the blended program, students must:**

- Complete one year of clinical employment as an RN before they enroll in NURS 470/471 and
- Maintain a minimum B (3.0) grade point average in and complete required upper division nursing courses to qualify for classified graduate standing.

### **Requirements for Second Baccalaureate**

A bachelor's degree is conferred in this accelerated master's degree program only to students who fulfill current general education requirements for a second bachelor's degree in addition to the nursing major undergraduate requirements

### **Track II. Admission Requirements for the Blended Master's Program for RNs without a Baccalaureate**

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- An A.A. or A.S. degree in nursing from an accredited college or an NLN-accredited diploma program with a minimum 2.75 grade point average
- Completion of current B.S. degree in nursing course prerequisites
- Current licensure to practice nursing in California and university liability insurance
- To qualify for classified graduate standing, students pursuing this accelerated program must:
- Complete one year of clinical employment as an RN
- Complete all required baccalaureate nursing courses
- Maintain a minimum B (3.0) grade point average in required upper division nursing courses

### **Undergraduate Requirements for Track I and Track II:**

#### **RNs with a Non-Nursing Baccalaureate and RNs without a Baccalaureate**

A total of 180 units is required for the Bachelor of Science degree in Nursing, which is conferred concurrently with the Master of Science Degree in Nursing\*.

*\*If after completion of all general education, university and nursing major requirements, additional units are required for graduation, it is recommended that students complete up to six units in nursing elective courses. See the Undergraduate Studies: General Information chapter for details about general education and other requirements that constitute the units outside the major.*

### **Prerequisites (33 units)**

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The following courses are prerequisites to the nursing major:

- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 200B - Human Anatomy and Physiology II (5)
- CHEM 151† - Fundamentals of Chemistry I (5)
- ENGL 101 - Composition I (4)
- \*\* MICR 201 - Microbiology for Health Related Sciences (4)
- \*\* MICR 202 - Microbiology Laboratory for Health Related Sciences (2)
- COMM 150 - Oral Communication (4)
- PSY 150 - Introductory Psychology (4)

#### **Note:**

*\*\*Students entering with 4 or more semester units (6 or more quarter units) of credit from an accredited college for a course including laboratory satisfy this requirement by transfer credit.*

### **Required in Related Fields (12 units)**

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- NTRS 250 - Human Nutrition (4)
- NTRS 317 - Fundamentals for Human Nutrition (4)
- SOC 201 - Principles of Sociology (4)  
and Completion of a statistics course (four or more units which include inferential statistical content).

### **Required in Nursing (77 units)**

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## Lower Division Required Courses (44 units)

Lower division required courses are met by 44 nursing units of transfer credit granted by the School of Nursing for RN transfer students only.

## Upper Division Required Courses (33 units)

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- NURS 346 - Family Nursing (3)
- NURS 348A - Development for Professional Practice (4)
- NURS 349A - Development for Professional Practice Laboratory (1)
- NURS 372 - Health Assessment and Promotion Across the Life Span (3)
- NURS 373 - Health Assessment and Promotion Across the Life Span Laboratory (2)
- NURS 394 - Nursing Concepts in Health Promotion: Prevention, Treatment and Adherence (4)
- NURS 470 - Community/Public Health Nursing (4)
- NURS 471 - Community/Public Health Nursing Lab (4)
- NURS 490 - Introduction to Nursing Research (4)
- NURS 496 - Nursing Case Management for Vulnerable Populations (2)
- NURS 497 - Nursing Case Management of Vulnerable Populations Lab (2)

## Requirements for the Master's Degree (45–75 units)

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A total of 45-75 units are required with at least half of the units in 500-level courses. The options consist of a required common core, an advanced practice courses, required option courses and electives.

### Common Core Courses Required for all Options (14 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)
- NURS 504 - Research Utilization in Nursing Practice (2)
- NURS 590 - Nursing Research Methods (4)
- NURS 592 - Theoretical Basis of Nursing Research and Practice (2)
- NURS 594 - Decision-Making in Nursing and Health Care Policy (3)

## Graduate Nursing Specialty Options

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### Nursing Administration Option (45 - 50 Units)

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#### Common Core Courses Required for all Options (14 units)

#### Required Advanced Practice Courses (5 units)

- NURS 524 - Care of Vulnerable Populations (4)
- NURS 595 - Advanced Field Study (1–15) **1 unit**

#### Required Option Courses (14 units)

- NURS 564A - Advanced Concepts in Health Care Leadership and Management I (4)
- NURS 564B - Advanced Concepts in Health Care Leadership and Management II (4)
- NURS 595 - Advanced Field Study (1–15) **6 units total**

#### Required Non-Nursing Courses (12 units)

- MGMT 578 - Financial Management of Health Care Organizations (4)
- MGMT 500 - Management (4)
- CIS 581 - Health Care Information Systems (4)

#### Comprehensive Exam (0 units) or Thesis (5 units)

### Nursing Education Option (49-54 units)

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#### Common Core Courses Required for all Options (14 units)

#### Required Advanced Practice Courses (19 units)

- NURS 566 - Advanced Pathophysiology (4)
- NURS 524 - Care of Vulnerable Populations (4)
- NURS 595 - Advanced Field Study (1–15) **(1 unit total)**
- NURS 528 - Advanced Pharmacology (5)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)

#### Required Option Courses (16 units)

- NURS 560A - Development of Educational Programs in Nursing I (3)
- NURS 560B - Development of Education Programs in Nursing II (3)
- NURS 595 - Advanced Field Study (1–15) **(6 units total)**  
(Must be taken with NURS 560AB)
- EDFN 510 - Advanced Study: Learning Theory and Education (4)

#### Comprehensive Exam (0 units) Project or Thesis (5 units)

- NURS 596 - Comprehensive Examination (0)
- NURS 597 - Graduate Research (1–4)
- NURS 599 - Thesis or Project (1–3)

## Psychiatric/Mental Health Clinical Nurse Specialist Option (58-63 units)

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### Common Core Courses Required for all Options (14 units)

#### Required Advanced Practice Courses (24 units)

- NURS 524 - Care of Vulnerable Populations (4)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)
- NURS 595 - Advanced Field Study (1–15) 3 units total

#### Required Option Courses (20 units)

- NURS 542A - Diagnosis and Individual Psychotherapy in Psychiatric Nursing (3)
- NURS 542B - Group Psychotherapy and Psychoeducation in Psychiatric Nursing (3)
- NURS 542D - Family, Community and Agency Interventions in Psychiatric Nursing (3)
- NURS 595 - Advanced Field Study (1–15) **12 units total**

#### Comprehensive Exam (0 units) or Thesis (5 units)

## School Health: Credential Preparation Option (48-53 units)

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### OPTION SUSPENDED UNTIL 2014

This option offers a student preparation for a Master's Degree in Nursing and eligibility for a Health Service Credential. This option is for students who have a baccalaureate degree in Nursing and Public Health Certification but do not yet have the Health Service Credential, or a graduate degree in Nursing.

### Common Core Courses Required for all Options (14 units)

#### Required Advanced Practice Courses (6 units)

- NURS 524 - Care of Vulnerable Populations (4)
- NURS 595 - Advanced Field Study (1–15)

#### Required Option Courses (24 units)

- NURS 526 - Advanced Nursing Management in Public Schools (5)
- NURS 530 - Advanced Nursing Assessment in Public Schools (5)
- NURS 423 - Nursing in School Health Programs Clinical Laboratory (6)
- EDSP 400 - Foundations of Special Education (4)
- PH 490 - Administration of School Health Programs (4)

#### Directed Electives (4 units)

- COMD 440 - School Audiometry for Nurses (4)

#### Comprehensive Exam (0 units) or Thesis (5 units)

## School Health: Teaching Authorization Option (45 units)

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This option offers a student preparation for a Master's Degree in Nursing and a Special Teaching Authorization in Health. This option is for students who already have a Baccalaureate Degree in Nursing, Public Health Certification and who also have the Health Service Credential.

### Common Core Courses Required for all Options (14 units)

#### Required Advanced Practice Courses (4 units)

- NURS 524 - Care of Vulnerable Populations (4)

#### Required Option Courses (12 units)

- NURS 560A - Development of Educational Programs in Nursing I (3)
- NURS 560B - Development of Education Programs in Nursing II (3)
- EDFN 510 - Advanced Study: Learning Theory and Education (4)
- NURS 595 - Advanced Field Study (1–15)

#### Directed Electives (15 units)

See selected electives under Health Services Credential program. Select appropriate 400 or 500 level courses as electives.

Students who complete a thesis use 5 units of NURS 597 or NURS 599 as elective units.

## Nurse Practitioner Options

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- Nurse Practitioner: Pediatric Option
- Nurse Practitioner: Adult Option
- Acute Care Nurse Practitioner: Adult Option
- Nurse Practitioner: Family Option
- Nurse Practitioner: Psychiatric/Mental Health Option

All Nurse Practitioner Options require the completion of 23 units of advanced nursing practice core courses as follows:

### Nurse Practitioner Advanced Practice Core Courses (23 units)

- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

### Nurse Practitioner: Pediatric Option (Minimum of 64 or 69 units)

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#### OPTION SUSPENDED UNTIL 2014

#### Common Core Courses Required for all Options (14 units)

#### Nurse Practitioner Advanced Practice Core Courses (23 units)

#### Required Option Courses (25 units)

- NURS 498 - Advanced Cooperative Education (1–4)
- NURS 522A - Primary Care of Children with Acute Health Problem (4)
- NURS 522B - Primary Care of Children with Chronic Health Problem (4)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 523A - Primary Care Practicum: Children with Acute Illness (3)
- NURS 523B - Primary Care Practicum: Children with Chronic Illness (3)
- NURS 523C - Primary Care Practicum: Adolescents (3)
- NURS 529 - Advanced Pediatrics Clinical Practicum (3)
- NURS 572B - Developmental Assessment and Health Promotion (2)

#### Electives (2 units)

Select appropriate 400 or 500 level courses as electives.

#### Comprehensive Exam (0 units) or Thesis (Add 5 units)

### Nurse Practitioner: Adult Option ( 65 or 70 units)

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#### Common Core Courses (14 units)

#### Nurse Practitioner Advanced Practice Core Courses (23 units)

#### Required Option Courses (24 units)

- NURS 498 - Advanced Cooperative Education (1–4)
- NURS 512A - Primary Care of Adults with Acute Health Problems (4)
- NURS 512B - Care of Aging Adults (3)
- NURS 513A - Practicum: Primary Care of Adults with Acute Health Problems (4)
- NURS 513B - Care of Aging Adults Practicum (4)
- NURS 513C - Care of Adults with Chronic Health Care Problems Practicum (4)
- NURS 520 - Care of Adults with Chronic Health Problems (3)
- NURS 522C - Primary Care of Adolescents (2)

#### Electives (4 units)

Select appropriate 400 or 500 level courses as electives.

#### Comprehensive Exam (0 units) or Thesis (Add 5 units)

### Acute Care Nurse Practitioner: Adult Option (Minimum 64 or 69 units)

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#### Common Core Courses (14 units)

#### Nurse Practitioner Advanced Practice Core Courses (23 units)

#### Required Option Courses (27 units)

- NURS 516A - Management of Acutely Ill Adults I (5)
- NURS 517A - Advanced Therapeutics Practicum I (4)



- NURS 516B - Management of Acutely Ill Adults II (5)
- NURS 517B - Advanced Therapeutics Practicum II (4)
- NURS 516C - Management of Acutely Ill Adults III (5)
- NURS 517C - Advanced Therapeutics Practicum III (4)

**Comprehensive Exam (0 units) or Thesis (Add 5 units)**

## **Nurse Practitioner: Family Option (75 or 80 units)**

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**Common Core Courses (14 units)**

**Nurse Practitioner Advanced Practice Core Courses (23 units)**

**Required Option Courses (38 units)**

- NURS 512B - Care of Aging Adults (3)
- NURS 513B - Care of Aging Adults Practicum (4)
- NURS 518A - Primary Care of the Adult Client (4)
- NURS 519A - Primary Care of the Adult Practicum (3)
- NURS 518B - Primary Care of Children (4)
- NURS 519B - Primary Care of Children Practicum (3)
- NURS 519C - Adolescent and Young Adult Health Care Practicum (3)
- NURS 518D - Women's Health Care (3)
- NURS 519D - Women's Health Practicum (3)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 572B - Developmental Assessment and Health Promotion (2)
- NURS 573C - Advanced Health Assessment and Health Promotion Practicum (1)
- NURS 578 - International Health Perspectives (3)

**Recommended Optional Experience**

- NURS 545 - International Health Care Experience (1)  
*If selected, this adds an additional 1 unit to the program.*

## **Nurse Practitioner: Family Psychiatric/Mental Health Option (74 - 79 units)**

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**Common Core Courses (14 units)**

**Nurse Practitioner Advanced Practice Core Courses (23 units)**

**Required Option Courses (37 units)**

- NURS 512B - Care of Aging Adults (3)
- NURS 518A - Primary Care of the Adult Client (4)
- NURS 519A - Primary Care of the Adult Practicum (3)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 542A - Diagnosis and Individual Psychotherapy in Psychiatric Nursing (3)
- NURS 542B - Group Psychotherapy and Psychoeducation in Psychiatric Nursing (3)
- NURS 542C - Psychiatric Nursing of Children and Adolescents (2)
- NURS 542D - Family, Community and Agency Interventions in Psychiatric Nursing (3)
- \* NURS 543 - Advanced Psychiatric/Mental Health Nursing Across the Life Span Practicum (1-4)  
**(1-13) 13 units total**

\*NURS 543 can be taken in 1-4 units increments with or after NURS 542A-D

**Comprehensive Exam (0 units) or Thesis (5 units)**

Students who select the comprehensive examination (NURS 596) must complete all required nursing courses prior to taking exam and must comply with college and School of Nursing requirements.

Students who elect the thesis project option (NURS 599) must complete 2 units of NURS 597 prior to the required 3 units of NURS 599 and must comply with University, college and school policies and procedures regarding theses.

- NURS 596 - Comprehensive Examination (0)  
**or**
- NURS 597 - Graduate Research (1-4) (2)  
**plus**
- NURS 599 - Thesis or Project (1-3) (3)

# Post Master's Certificate in Acute Care Nurse Practitioner (ACNP): Adult Specialty



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## Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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#### (Required for all post-master's nurse practitioner certificates)

#### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

#### Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

## Acute Care Nurse Practitioner: Adult Specialty Certificate

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The post-master's Acute Care Nurse Practitioner (ACNP): Adult Specialty certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within the Acute Care Nurse Practitioner: Adult Program, a specialty within the Master of Science degree in Nursing.

### Additional Admission Requirements

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- One year clinical practice working with acutely ill adults
- Advanced Cardiac Life Support Certification
- Specialty Nurse Certification (such as CCRN)

### Requirements for the Certificate (53 units)

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Students qualify for the post-master's certificate after they have successfully completed the specialty program courses with a 3.0 or higher GPA. This program consists of 53 units of theory and clinical practice. They will then be qualified to sit for the National Professional Adult ACNP

certification examination and to apply for nurse practitioner certification from the California Board of Registered Nursing.

### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

### Nurse Practitioner Advanced Practice Core Courses (23 units)

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### Required Option Courses (27 units)

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- NURS 516A - Management of Acutely Ill Adults I (5)
- NURS 517A - Advanced Therapeutics Practicum I (4)
- NURS 516B - Management of Acutely Ill Adults II (5)
- NURS 517B - Advanced Therapeutics Practicum II (4)
- NURS 516C - Management of Acutely Ill Adults III (5)
- NURS 517C - Advanced Therapeutics Practicum III (4)

### U.S. Department of Education Gainful Employment Disclosure

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**Program:** Acute Care Nurse Practitioner: Adult Specialty

**Occupations that this certificate program prepares students to enter:**

-Nurse Practitioners; SOC Code 29-1199.03;  
[www.onetonline.org/link/summary/29-1199.03](http://www.onetonline.org/link/summary/29-1199.03)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Post Master's Certificate in Adult Nurse Practitioner Speciality (ANP)

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## Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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#### (Required for all post-master's nurse practitioner certificates)

##### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

##### Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

## Adult Nurse Practitioner Specialty Certificate

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The post-master's Adult Nurse Practitioner certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within the Adult Nurse Practitioner option, a specialty within the Master of Science degree in Nursing.

### Additional Admission Requirement

---

One year clinical practice working with adults.

### Requirements for the Certificate (50 units)

---

Students qualify for the post-master's certificate after they have successfully completed the specialty program courses with a 3.0 higher GPA. This program consists of 50 units of theory and clinical practice in the following two areas: 1) seminar courses 26 units; and 2) clinical practice courses 24 units. They will then be qualified to sit for the National Professional Adult Nurse Practitioner certification examination and to apply for nurse practitioner certification from the California Board of Registered Nursing.

#### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

## Nurse Practitioner Advanced Practice Core Courses (23 units)

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### Required Option Courses (24 units)

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- NURS 498 - Advanced Cooperative Education (1–4)
- NURS 512A - Primary Care of Adults with Acute Health Problems (4)
- NURS 512B - Care of Aging Adults (3)
- NURS 513A - Practicum: Primary Care of Adults with Acute Health Problems (4)
- NURS 513B - Care of Aging Adults Practicum (4)
- NURS 513C - Care of Adults with Chronic Health Care Problems Practicum (4)
- NURS 520 - Care of Adults with Chronic Health Problems (3)
- NURS 522C - Primary Care of Adolescents (2)

## U.S. Department of Education Gainful Employment Disclosure

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**Program:** Adult Nurse Practitioner Specialty

**Occupations that this certificate program prepares students to enter:**

-Nurse Practitioners; SOC Code 29-1199.03;

[www.onetonline.org/link/summary/29-1199.03](http://www.onetonline.org/link/summary/29-1199.03)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

## Post Master's Certificate in Family Nurse Practitioner (FNP)



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### Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

#### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

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#### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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##### (Required for all post-master's nurse practitioner certificates)

##### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

##### Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

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### Family Nurse Practitioner Certificate Program

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The School of Nursing offers a post-master's Family Nurse Practitioner certificate program. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Family Nurse Practitioner Option within the Master of Science Degree in nursing.

#### Additional Admission Requirement

---

One year of clinical nursing experience is recommended.

#### Requirements for the Certificate (64 units)

---

Students will qualify for the award of the post-master's certificate after they have successfully completed the required certificate program course with a 3.0 or higher GPA. This program consists of advanced practice core courses (23 units) and required option courses (38 units) for a total of 64 units. This will enable the graduate of this program to obtain State certification from the BRN as a nurse practitioner (NP) and to sit for national certification examinations.

##### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

## Nurse Practitioner Advanced Practice Core Courses (23 units)

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### Required Option Courses (38 Units)

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- NURS 512B - Care of Aging Adults (3)
- NURS 513B - Care of Aging Adults Practicum (4)
- NURS 518A - Primary Care of the Adult Client (4)
- NURS 519A - Primary Care of the Adult Practicum (3)
- NURS 518B - Primary Care of Children (4)
- NURS 519B - Primary Care of Children Practicum (3)
- NURS 519C - Adolescent and Young Adult Health Care Practicum (3)
- NURS 518D - Women's Health Care (3)
- NURS 519D - Women's Health Practicum (3)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 572B - Developmental Assessment and Health Promotion (2)
- NURS 573C - Advanced Health Assessment and Health Promotion Practicum (1)
- NURS 578 - International Health Perspectives (3)

### Recommended Optional Experience

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- NURS 545 - International Health Care Experience (1)  
*If selected, this adds an additional 1 Unit to the program.*

## U.S. Department of Education Gainful Employment Disclosure

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**Program:** Family Nurse Practitioner

**Occupations that this certificate program prepares students to enter:**

-Nurse Practitioners; SOC Code 29-1199.03;  
[www.onetonline.org/link/summary/29-1199.03](http://www.onetonline.org/link/summary/29-1199.03)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Post Master's Certificate in Nurse Practitioner: Psychiatric/Mental Health



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## Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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#### (Required for all post-master's nurse practitioner certificates)

#### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

#### Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

## Nurse Practitioner: Family Psychiatric/Mental Health Certificate Program

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The School of Nursing offers a post-master's Psychiatric/Mental Health Nurse Practitioner certificate. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Nurse Practitioner: Psychiatric/Mental Health Option within the Master of Science degree in nursing.

### Requirements for Award of the Certificate (63 units)

---

Students will qualify for the award of the post-master's certificate after they have successfully completed the required certificate program course with a 3.0 or higher GPA. This program consists of common core course (3 units), advanced practice core courses (23 units) and required option courses (37 units) for a total of 63 units. This will enable the graduate of this program to obtain State certification from the BRN as a nurse practitioner (NP) and to sit for national certification examinations.

#### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)



## Nurse Practitioner Advanced Practice Core Courses (23 units)

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### Required Option Courses (35 Units)

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- NURS 512B - Care of Aging Adults (3)
- NURS 518A - Primary Care of the Adult Client (4)
- NURS 519A - Primary Care of the Adult Practicum (3)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 542A - Diagnosis and Individual Psychotherapy in Psychiatric Nursing (3)
- NURS 542B - Group Psychotherapy and Psychoeducation in Psychiatric Nursing (3)
- NURS 542C - Psychiatric Nursing of Children and Adolescents (2)
- NURS 542D - Family, Community and Agency Interventions in Psychiatric Nursing (3)
- \* NURS 543 - Advanced Psychiatric/Mental Health Nursing Across the Life Span Practicum (1-4) **(1-13) 13 units total**

\*NURS 543 can be taken in 1-4 units increments with or after NURS 542A-D

### U.S. Department of Education Gainful Employment Disclosure

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**Program:** Nurse Practitioner: Psychiatric/Mental Health

**Occupations that this certificate program prepares students to enter:**

-Nurse Practitioners; SOC Code 29-1199.03;

[www.onetonline.org/link/summary/29-1199.03](http://www.onetonline.org/link/summary/29-1199.03)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

Title IV loans:

Other educational dept (private educational loans and institutional financing):

**The job placement rate for students completing the program:**

Data not available.

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## Post-Master's Certificate for Nursing Administration

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### Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

#### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

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#### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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##### (Required for all post-master's nurse practitioner certificates)

Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

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### Post-Master's Certificate for Nursing Administration

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The School of Nursing offers a post-master's Nursing Administration Certificate program. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Nursing Administration option, within the Master of Science Degree in Nursing.

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#### Requirements for Award of the Certificate (31 units)

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Students will qualify for the award of the Nursing Administration Post-Master's Certificate after they have successfully completed the required certificate courses with a 3.0 or higher GPA.

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#### Required Advanced Nursing Practice Core Courses (5 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 595 - Advanced Field Study (1-15) **1 unit total**

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#### Required Option Courses (14 units)

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- NURS 564A - Advanced Concepts in Health Care Leadership and Management I (4)

- NURS 564B - Advanced Concepts in Health Care Leadership and Management II (4)
- NURS 595 - Advanced Field Study (1–15) **(3, 3)**

### **Required Non-Nursing Courses (12)**

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- MGMT 578 - Financial Management of Health Care Organizations (4)
- MGMT 500 - Management (4)
- CIS 581 - Health Care Information Systems (4)

## Post Master's Certificate in Nursing Education

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### Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

#### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

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#### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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##### (Required for all post-master's nurse practitioner certificates)

##### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

##### Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

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### Nursing Education Certificate Program

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The School of Nursing offers a post-master's Nursing Education certificate program. This program is for nurses who have a Master's degree in nursing and who would like to take courses in the Nursing Education Option, within the Master of Science degree in Nursing.

#### Requirements for Award of the Certificate (35 units)

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Students will qualify for the award of the Nursing Education post-master's certificate after they have successfully completed the required certificate courses with a 3.0 or higher GPA.

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#### Required Advanced Nursing Practice Core Courses (19 units)

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- NURS 566 - Advanced Pathophysiology (4)
- NURS 524 - Care of Vulnerable Populations (4)
- NURS 595 - Advanced Field Study (1-15) (1 unit total)
- NURS 528 - Advanced Pharmacology (5)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)

## Required Option Courses (16 units)

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- NURS 560A - Development of Educational Programs in Nursing I (3)
- NURS 560B - Development of Education Programs in Nursing II (3)
- NURS 595 - Advanced Field Study (1–15) **(6 units total)**
- EDFN 510 - Advanced Study: Learning Theory and Education (4)

## U.S. Department of Education Gainful Employment Disclosure

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**Program:** Nursing Education

**Occupations that this certificate program prepares students to enter:**

-Nursing Instructors and Teachers, Postsecondary; SOC Code 25-1072;

[www.onetonline.org/link/summary/25-1072.00](http://www.onetonline.org/link/summary/25-1072.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality



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## Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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(Required for all post-master's nurse practitioner certificates)

Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

## Pediatric Nurse Practitioner Specialty Certificate

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The post-master's Pediatric Nurse Practitioner certificate program is offered for nurses who have a master's degree in nursing and who would like to take the existing courses within the Pediatric Nurse Practitioner option, a specialty within the Master of Science degree in Nursing.

### Additional Admission Requirement

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One year clinical practice working with children

### Requirements for the Certificate (51 units)

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Students qualify for the post-master's certificate after they have successfully completed the specialty program courses with a 3.0 higher GPA. This program consists of 51 units of theory and clinical practice in the following two areas: 1) seminar courses 32 units; and 2) clinical practice courses, 19 units. They will be qualified to sit for the National Professional Pediatric Nurse Practitioner certification examination and to apply for nurse practitioner certification from the California Board of Registered Nursing.

## Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

## Nurse Practitioner Advanced Practice Core Courses (23 units)

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## Required Option Courses (25 units)

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- NURS 498 - Advanced Cooperative Education (1–4)
- NURS 522A - Primary Care of Children with Acute Health Problem (4)
- NURS 522B - Primary Care of Children with Chronic Health Problem (4)
- NURS 522C - Primary Care of Adolescents (2)
- NURS 523A - Primary Care Practicum: Children with Acute Illness (3)
- NURS 523B - Primary Care Practicum: Children with Chronic Illness (3)
- NURS 523C - Primary Care Practicum: Adolescents (3)
- NURS 529 - Advanced Pediatrics Clinical Practicum (3)
- NURS 572B - Developmental Assessment and Health Promotion (2)

## U.S. Department of Education Gainful Employment Disclosure

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### Program:

Pediatric Nurse Practitioner Specialty

### Occupations that this certificate program prepares students to enter:

-Nurse Practitioners; SOC Code 29-1199.03;

[www.onetonline.org/link/summary/29-1199.03](http://www.onetonline.org/link/summary/29-1199.03)

### On-time graduation rate for students completing this program:

No completions by non-degree seeking students in 2009-10

### Costs of Attendance for the entire normal duration (4 quarters) of this certificate program:

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

### Median loan debt incurred by students who completed this certificate program:

N/A

### The job placement rate for students completing the program:

Data not available.

# Post-Master's Certificate for Psychiatric/Mental Health Clinical Nurse Specialist



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## Post-Master's Certificate Programs

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The School of Nursing offers eight post-master's Certificate Programs for nurses who have a master's degree in Nursing and who would like to take existing courses within the Master of Science degree in Nursing. At the completion of the course work, individuals who complete one of the Nurse Practitioner or Clinical Nurse Specialist certificates will qualify to apply to the California Board of Registered Nursing for state certification as nurse practitioners or clinical nurse specialists and are eligible to sit for a National Certification Examination so they can function as nurse practitioners in other states.

### Admission Requirements for all Post-Master's Certificate Programs:

- Current California Registered Nurse License
- Master's degree in Nursing (MSN or MN)
- Completion of a second application to the School of Nursing including 2 references and an essay
- Completion of a basic recent physical assessment course
- Satisfactory background check

Prior to entering the first clinical lab, students must have University liability insurance, a satisfactory background check, a current American Heart Association CPR card, a satisfactory annual physical examination, proof of immunity to specified infectious diseases, an initial 2 step Mantoux skin test and a chest X-ray if there is evidence of a positive TB skin test. Drug screening may be requested depending on agency requirements.

### Specific Requirements for Post-Master's Nurse Practitioner Certificate Programs

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(Required for all post-master's nurse practitioner certificates)

Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)

Nurse Practitioner Advanced Practice Core Courses (23 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 525 - Capstone Practicum in Vulnerable Populations (2)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)

## Post-Master's Certificate for Psychiatric/Mental Health Clinical Nurse Specialist

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The School of Nursing offers a post-master's Psychiatric/Mental Health Clinical Nurse Specialist certificate. This program is for nurses who have a master's degree in nursing and who would like to take courses in the Psychiatric/Mental Health Clinical Nurse Specialist option within the Master of Science Degree in Nursing.

### Requirements for Award of the Certificate (47 units)

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Students will qualify for the award of the post-master's certificate after they have successfully completed the required certificate program course with a 3.0 or higher GPA. This program consists of common core course (3 units), advanced practice core courses clinical nurse specialist (24 units) and required option courses (20 units) for a total of 47 units. This will enable the graduate of this program to obtain state certification from the BRN as a clinical nurse specialist (CNS).

### Common Core Course (3 units)

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- NURS 502 - Role Development of the Advanced Practice Nurse (3)



## Required Advanced Practice Courses (24 units)

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- NURS 524 - Care of Vulnerable Populations (4)
- NURS 528 - Advanced Pharmacology (5)
- NURS 566 - Advanced Pathophysiology (4)
- NURS 572A - Advanced Health Assessment and Health Promotion (4)
- NURS 573A - Advanced Health Assessment and Health Promotion Laboratory (1)
- NURS 573B - Advanced Health Assessment and Health Promotion Practicum (3)
- NURS 595 - Advanced Field Study (1–15)

## Required Option Courses (20 units)

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- NURS 542A - Diagnosis and Individual Psychotherapy in Psychiatric Nursing (3)
- NURS 542B - Group Psychotherapy and Psychoeducation in Psychiatric Nursing (3)
- NURS 542D - Family, Community and Agency Interventions in Psychiatric Nursing (3)
- NURS 595 - Advanced Field Study (1–15) **12 units total**

## Health Services Credential: School Nurse Services

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State of California credential requirements for a clear Professional School Nurse Service credential include a fifth year of study completed after the baccalaureate consisting of a minimum of 45 units. This program leads to certification as a school nurse for professional employment in California public schools.

School nurse candidates must be employed as a school nurse in the California public schools for two years full-time or the equivalent in part-time employment with a preliminary school nurse service credential under the supervision of a credentialed school nurse. Candidates must submit two letters of professional recommendation from their immediate supervisors confirming employment and satisfactory performance.

Candidates must also have a supervised, guided, and evaluated clinical practicum with a credentialed school nurse preceptor in elementary, secondary, and special education program settings with multicultural and multiethnic individuals.

This credential program is for those nurses with a baccalaureate degree outside of nursing and who want only the credential.

### Required Prerequisites (5 units)

Students who have a bachelor degree in a field outside of nursing will be required to take the following courses which will count toward the required electives:

- NURS 372 - Health Assessment and Promotion Across the Life Span (3)
- NURS 373 - Health Assessment and Promotion Across the Life Span Laboratory (2)

### Requirements for the Credential (45 units)

#### Required Courses (32 units)

- NURS 423 - Nursing in School Health Programs Clinical Laboratory (6)
- NURS 526 - Advanced Nursing Management in Public Schools (5)
- NURS 530 - Advanced Nursing Assessment in Public Schools (5)
- COMD 440 - School Audiometry for Nurses (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- EDSP 400 - Foundations of Special Education (4)
- PH 490 - Administration of School Health Programs (4)

#### Required Electives (13 units)

Students select the remainder of the courses from at least two disciplines on the list below to allow flexibility in meeting individual professional needs and goals for their own specific public school nurse practice.

#### Selected Electives

- ANTH 435 - Culture and the Individual (4)
- ANTH 437 - Magic, Witchcraft, and Religion (4)
- ANTH 444 - Medical Anthropology (4)
- CHDV 340 - Middle Childhood and Adolescence (4)
- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
- CHDV 424 - Relationship Dissolution, Stepfamilies and Children (4)
- CHDV 425
- CHDV 433 - Approaches to Parent Education (4)
- CHDV 470 - The Family and the Law (4)
- COMD 400 - Hearing Science (4)
- COMD 401 - Acoustics of Speech and Hearing (4)
- COMD 402 - Audiology and Audiometry (5)
- COMD 452 - Communication Disorders of the Neurologically Handicapped and Nonverbal Child (3)
- COMD 457 - Communicating with Abused Children and Violent Families (4)
- COMM 462 - Nonverbal Communication (4)
- COMM 489 - Intercultural Communication (4)
- COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- COUN 406 - Behavioral Counseling and Self-Management (4)
- COUN 460 - Laws Relating to the Child and Family (4)
- COUN 484 - Conferences with Parents/Primary Caregivers (4)
- EDFN 452 - Statistics in Education (4)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)

- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 416 - Working with Families of Young Handicapped Children (4)
- EDSP 430 - Sign Language (3)
- EDSP 431A - Laboratory: Sign Language, Beginning (1)
- EDSP 440 - The Gifted Individual I (4)
- EDSP 460 - Implications of Physical and Health Impairments (4)
- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 515 - Planning Programs for Exceptional Infants and Young Children (4)
- PH 455 - Sex Information for Health Education (4)
- NTRS 413 - Maternal and Child Nutrition (4)
- NTRS 416 - Child Nutrition (4)
- NTRS 465 - Medicinal Herbs and Nutrition (4)
- NURS 456 - Crisis Theory: Mental Health Promotion (3)
- NURS 460 - Problems of Parenting (2)
- NURS 468 - Legal Aspects of Health Care Provision in California (3)
- NURS 490 - Introduction to Nursing Research (4)
- NURS 590 - Nursing Research Methods (4)
- PHIL 429 - Bioethics (4)
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- PSY 419 - Psychology of Gender (4)
- PSY 426 - Family Therapy Dynamics and Perspectives (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)
- PSY 465 - Multicultural Psychology: Current Issues and Research (4)
- SOC 425 - Medical Sociology (4)
- SOC 460 - Race and Ethnic Relations (4)
- SOC 482 - Juvenile Delinquency (4)
- SOC 485 - Conflict and Domestic Violence (4)
- SW 456 - Multidisciplinary Teams, Child Maltreatment, and Family Violence (4)
- SW 476 - Child Welfare (4)

**May select only four units from language courses:**

- CHIN 100A - Elementary Mandarin (4)
- CHIN 100B - Elementary Mandarin (4)
- CHIN 100C - Elementary Mandarin (4)
- EDSP 430 - Sign Language (3)
- EDSP 431A - Laboratory: Sign Language, Beginning (1)
- SPAN 110 - Spanish Conversation for Professions (4)

## School of Social Work

### SCHOOL OFFICE

ST F816

Phone: (323) 343-4680

Karin Elliott Brown, Director

MSW Admissions Information Line (24 hours): (323) 343-5612

E-mail: [IndiraV@cslanet.calstatela.edu](mailto:IndiraV@cslanet.calstatela.edu)

Website: [www.calstatela.edu/academic/hhs/sw/](http://www.calstatela.edu/academic/hhs/sw/)

### The BASW Mission of the School of Social Work:

The BASW Program in the School of Social Work at California State University, Los Angeles prepares students for beginning strengths-based generalist practice in socially, culturally and economically diverse urban communities. Our BASW graduates are educated to promote social and economic justice and facilitate change and growth at all levels of professional practice.

### The MSW Mission of the School of Social Work:

The MSW Program at California State University, Los Angeles educates students to assume leadership roles in professional practice. Our advanced urban generalist graduates analyze, intervene, evaluate and advocate with diverse, underserved and oppressed clients and communities.

### Certificate Programs

The Applied Gerontology credit certificate, offered by the College of Health and Human Services through the Applied Gerontology Institute, contains course work in social work and is available to both social work majors and others. The school also offers course work applicable toward the interdisciplinary credit certificate in Child Maltreatment and Family Violence offered by the College of Health and Human Services

## The Faculty

**Professors:** Pauline Agbayani, Joanne Altschuler (BPD), Karin Elliott Brown (*Director*), Susan Crimmins, Roger Delgado, Alfredo G. González, Rita Ledesma, Siyon Y. Rhee, Valentine Villa, Dale Weaver.

**Associate Professor:** Anh-Luu Huynh-Hohnbaum, Victor Manalo.

**Assistant Professors:** Sofya Bagdasaryan, Blythe FitzHarris, Raquel Warley.

**Emeritus:** Shirley Jean Better, Phillip L. Carter, Neil A. Cohen.

## Programs for this School:

### Undergraduate Major

- Social Work, B.A.

### Graduate Major

- Social Work, MSW

## Social Work, B.A.



The Bachelor of Arts degree in Social Work enables students to explore and develop values, knowledge and generalist skills essential to the practice of social work in a multiethnic environment. The goals of the program include: providing continuing education for persons already employed in the field of social work or related human services; preparing students for professional entry-level positions in social work; and preparing students for further study in graduate schools of social work or related human services.

The total number of units required for the Bachelor of Arts degree in Social Work is 180 units, of which 86-87 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Admission to the Program

Upon admission to the university, students who wish to be admitted to the Bachelor of Arts Degree in Social Work must first complete the requirements for the pre-social work major. Pre-social work majors must complete the following prerequisites:

PSY 150 or SOC 201 or SOC 202 with a grade of C+ or better; HHS 400 or EDFN 452 or SOC 210 , ECON/MATH 109 , or an equivalent course in Elementary Statistics with a grade of C or better; and the Writing Proficiency Examination (WPE). When these three prerequisites are completed, pre-social work majors may enroll in SW 370 . Students must earn a grade of C+ or better in SW 370, with no opportunity to repeat the course.

Admission to the Bachelor of Arts Degree in Social Work major requires a separate application obtained in the School of Social Work office, Simpson Tower #816. Applications to the social work major are accepted and reviewed after successful completion of SW 370.

Current CSULA students from another major seeking to change their major to social work must first complete the pre-social work admissions criteria. After that, they must submit an application to be admitted into the BASW program. Once admitted, they are required to submit the university's "change of major" form to the BASW program.

For further details, contact the School of Social Work office at (323) 343-4680, or refer to our website:  
<http://www.calstatela.edu/academic/hhs/sw/basw.php>

### Required Advisement

All students in the Social Work major must see an academic adviser during their first quarter in the program. During this initial advisement, a summary of the program curriculum and School of Social work regulations will be reviewed.

All social work students are also required to meet with an adviser one quarter prior to beginning their fieldwork, to determine eligibility for field education. Finally, students must meet with an adviser two quarters before graduation to complete a graduation check.

Students who earn less than the minimum required grade for social work courses must meet with an academic adviser from the School of Social Work to prepare a revised academic plan to assure satisfactory progress.

### School of Social Work Regulations

Students in the Social Work major must earn grades of C or higher in the following social work courses: SW 372, SW 301, SW 474, SW 475, SW 478, SW 482. To meet the requirements of continuing satisfactory performance, students must also receive a passing grade (credit) for the Field Internship (SW 495) and a grade of C or better in their Integrative Seminar (SW 496). Students who are placed on academic probation are not permitted to enroll in a social work course until an academic adviser from the School of Social Work approves a revised academic plan. The plan will provide students with guidelines to support their academic success.

Students are required to complete a criminal clearance check, prior to entering a field placement. Some field agencies will not accept students who cannot pass the criminal background clearance. Please note that difficulty or the inability to place a student in a required field practicum may delay or prevent the completion of the BASW degree.

### Sequence Requirements

- SW 370 is a prerequisite to all required social work courses except SW 476
- Prerequisites to Field Education (SW 495) include: completion of SW 301, SW 371A, SW 371 B, and SW 372
- SW 372 is a prerequisite to the advanced social work practice courses (SW 474, SW 475, and SW 482)
- Students must take SW 495 and SW 496 concurrently.
- Field Education (SW 495, SW 496) must be taken in the last three quarters of the BASW Program

## Requirements for the Major (86–87 units)

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The BASW program requires a total of 180 units for the degree, including 67 units in required upper division courses in social work; 11-12 units of prerequisite courses; and 8 units of elective courses in social work or other related fields as approved. See the Undergraduate Studies: General Information section for details about general education and other requirements that constitute the units outside the major

### Required Courses in Related Fields (11-12 units)

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The following courses must be completed before any other courses in the major are attempted:

- PSY 150 or SOC 201 or SOC 202 with a grade of C+ or higher
- HHS 400 or EDFN 452, or SOC 210, or ECON/MATH\* 109 or an equivalent course in elementary statistics with a grade of C or higher.
- UNIV 400(Pass the WPE)
- SW370: Introduction to the Field of Social Work (4) must be passed with a grade of C+ or higher and no opportunity to repeat.

### Required Upper Division Courses (67 units)

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- SW 301 - Writing for Social Work (4)
- SW 371A - Human Behavior and the Social Environment: Prenatal Through Early Adolescence (4)
- SW 371 B - Human Behavior and the Social Environment: Late Adolescence Through Old Age (4)
- SW 372 - Social Work Practice I: Communication and Interviewing Skills (4)
- SW 391 - Social Work Research Methods (4)
- SW 411 - Computer Applications in Social Work (4)
- SW 461 - Social Work Practice in Minority Communities (4)
- SW 463 - Women's Issues in Social Welfare (4)
- SW 474 - Social Work Practice II: Working with Individuals and Families (4)
- SW 475 - Social Work Practice III: Working with Groups (4)
- SW 476 - Child Welfare (4)
- SW 478 - Social Welfare Policy and Social Services (4)
- SW 482 - Social Work Practice IV: Community Organization (4)
- SW 495 - Directed Field Experience (4) **12 units total**
- SW 496 - Integrative Seminar (1) **3 units total**

### Electives in Social Work and other fields (8 units)

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Select with prior adviser approval.

### Free Electives (18-19 units)

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Remaining units can be used to take free electives in social work or any other discipline to meet the required 180 units for graduation.

## Social Work, MSW

The Master of Social Work degree prepares graduate students for entry into advanced and specialized social work practice where they will be able to provide effective services to individuals, families, groups, organizations and communities.

The MSW program can be completed in a two year sequence or in a three year sequence.

The foundation year consists of generalist courses. The advanced year consists of advanced generalist courses and courses in one of three concentrations.

The Children, Youth, Women and Families concentration prepares students for practice in settings addressing the needs of children and their families, and consists of SW551, SW558, and SW575.

The Aging and Families concentration prepares students for practice in settings addressing the needs of older adults and their families and consists of SW552, SW559, and SW576.

The Forensic Social Work concentration prepares students for practice with children, adults and their families in forensic settings, and consists of SW556, SW560 and SW577.

## Admission Requirements

Applicants must apply simultaneously to the University and to the School of Social Work. Admission to the school does not guarantee admission to the College of Health and Human Services and/or the University. Admission to the university does not guarantee admission to the school and/or College. In addition to an evaluation of the applicant's potential for advanced practice in the profession of social work, the minimum requirements for admission are:

- Acceptable bachelor's degree from an accredited college or university;
- Minimum 2.75 grade point average in the last 90 quarter units (60 semester units);
- Completion of a course in research and statistics and 8 quarter units (6 semester units ) of upper division social science courses with a grade of "C" or better.
- Good academic standing at the last college or university attended; and

In addition, the School Admissions Committee is guided by the following criteria:

- Voluntary and/or paid experience in human services;
- Professional promise, which includes social consciousness and commitment to the values of the profession and the specific mission of the program, personal readiness, motivation, and ability to relate as an effective helping person to individual, organizational and societal needs.

## Degree Requirements

A total of 90 units are required.

### Foundation Year Courses (45 units)

- SW 510A - Human Behavior and the Social Environment I (4)
- SW 510B - Human Behavior and the Social Environment II (4)
- SW 510C - Human Behavior and the Social Environment III (4)
- SW 520A - Parameters of Practice (4)
- SW 520B - Micro Practice (4)
- SW 530A - Social Welfare History and Introduction to Macro Practice (4)
- SW 530B - Social Welfare Policy Analysis (4)
- SW 530C - Community Organizing (4)
- SW 540 - Social Welfare Research and Statistics (4)
- SW 549A - Field Practicum (3)
- SW 549B - Field Practicum (3)
- SW 549C - Field Practicum (3)

### Advanced Year Courses (45 units)

- SW 550 - Advanced Social Welfare Research (3)

- SW 551 - Advanced Practice I: Children, Youth, Women and Families (4)  
or
- SW 552 - Advanced Practice I: Aging and Families (4)  
or
- SW 556 - Advanced Practice I: Forensic Casework (4)
- SW 553 - Advanced Practice II: Diversity Perspectives Over the Life Course (4)
- SW 558 - Advanced Practice III: Capstone Seminar: Children, Youth, Women and Families (4)  
or
- SW 559 - Advanced Practice III: Capstone Seminar: Aging & Families (4)  
or
- SW 560 - Advanced Practice III: Capstone Seminar: Forensic Social Work. (4)
- SW 571 - Administration of Social Service Agencies (4)
- SW 575 - Policy and Services/Applications: Children, Youth, Women and Families (4)  
or
- SW 576 - Policy and Service/Applications: Aging and Families (4)  
or
- SW 577 - Policy and Services/Applications: Forensic Social Work. (4)
- SW 591A - Field Practicum (4)
- SW 591B - Field Practicum (4)
- SW 591C - Field Practicum (4)
- SW 599A - Thesis or Research Project I (3)
- SW 599B - Thesis or Research Project II (3)

#### **Electives (4 units)**

Students complete 4 units of electives from the following list of courses:

- SW 581 - Poverty and Institutional Racism (2)
- SW 582 - Key Issues in DSM-IV: Focus on Forensic Mental Health (2)
- SW 583 - Immigration, Social Policy and the Social Services (2)
- SW 584 - Trauma, Substance Abuse and Violence (2)
- SW 585 - Policy and Practice In Public Child Welfare (2)
- SW 586 - Grief and Loss in Later Life (2)
- SW 589 - Selected Topics in Social Work (1–6)

*Courses not listed require adviser approval.*



## Program in Intercultural Proficiency

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### PROGRAM OFFICE

Physical Education 206

Phone: (323) 343- 4650

Fax: (323) 343- 6482

E-mail: [schoolkns@calstatela.edu](mailto:schoolkns@calstatela.edu)

Website: <http://www.calstatela.edu/academic/hhs/icp.php>

Ability to interact and communicate effectively across cultures is extremely important in Southern California, especially in the Los Angeles metropolitan area. There is already an enormous mix of people from many different cultures in this region, and this diversity is continuing to increase. Interaction with people from different cultural backgrounds is inevitable in work, community, and family settings. The Intercultural Proficiency Certificate Program at Cal State L.A. is designed to increase students' abilities to communicate and interact effectively within our multicultural living and working environment. The certificate program requires 24 units to complete.

Complete details regarding the program may be found in the individual program description.

## The Faculty

**Program Director:** Anne Larson.

The faculty for the program is interdisciplinary in nature, representing the various departments whose courses comprise the certificate program offered. The program is coordinated by the program Director.

## Programs for this Program:

### Undergraduate Certificate

- Undergraduate Certificate Program in Intercultural Proficiency

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## Undergraduate Certificate Program in Intercultural Proficiency



The Intercultural Proficiency (ICP) undergraduate credit certificate program is designed to increase students' abilities to communicate and interact effectively within our increasingly multicultural living and working environment. Achieving intercultural proficiency is a personal dynamic and developmental journey. The overall goal of the program is to prepare our students to be change agents with the knowledge and skills that will enable organizations and institutions to accept, value and honor diversity.

### Requirements for the Certificate (24 units)

#### Required Core (8 Units)

- ICP 481 - Achieving Intercultural Proficiency in Urban Communities (4)
- ICP 495 - Practicum: Serving Diverse Communities (4)

#### Intercultural Communications Requirement (4 units)

Select one course from the following list:

- COMM 489 - Intercultural Communication (4)
- COMM 459 - Intercultural Business Communication (4) **also listed as**
- MKT 459 - Intercultural Business Communication (4)
- ML 300 - Language Diversity in Urban America (4)

#### Required Electives (12 units)

Select from the following:

- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 385 - Measurement of Human Difference (4) **also listed as**
- PHIL 385 - Measurement of Human Difference (4)
- TVF 334 - "Race", Justice and the Mass Media (4)
- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHDV 225 - Ethnic Identity and Awareness in Children and Families (4)
- HIST 352 - Civil Rights in the United States (4)
- ICP 483 - Intercultural Proficiency: Diverse Urban Families (4)
- ICP 485 - Mobilizing Diverse Communities (4)
- LBS 410 - National Identity, Race, and Popular Culture (4)
- PAS 377 - Literary Explorations of Justice and Racism (4) **also listed as**
- ENGL 377 - Literary Explorations of Justice and Racism (4)
- PHIL 323 - Human Diversity and Justice (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)
- PSY 465 - Multicultural Psychology: Current Issues and Research (4)
- SOC 300 - Cultural Emotions (4)
- SW 362 - From Institutional Racism to Cultural Competency (4)



## Program in Youth Agency Administration

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### PROGRAM OFFICE

Physical Education 206

Phone: (323) 343-4650 or 343-4580

Fax: (323) 343-4622

E-mail: [alarson2@calstatela.edu](mailto:alarson2@calstatela.edu)

Website: [http://www.calstatela.edu/academic/hhs/youth\\_agency/](http://www.calstatela.edu/academic/hhs/youth_agency/)

Youth Agency Administration at Cal State L.A. provides a unique opportunity for students interested in nonprofit administration careers to receive a specific, practical, educational emphasis. In addition to the course work and internship required for completion of the Youth Agency Administration certificate program (listed below), the program affords participants many other services and opportunities. Among these are the Student Association, conferences and seminars, personal counseling, career placement, an annual retreat, and independent study. The credit certificate program, which prepares individuals for careers in nonprofit management, requires a minimum of 36 units, selected in consultation with the Youth Agency Administration director. The program includes course work in four major areas and an internship designed specifically for the program.

## The Faculty

**Program Director:** Anne Larson.

The faculty for the program is interdisciplinary in nature, representing the various departments whose courses comprise the certificate program offered. The program is coordinated by the program director.

## Programs for this Program:

### Undergraduate Certificate

- Undergraduate Certificate Program in Youth Agency Administration

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# Undergraduate Certificate Program in Youth Agency Administration

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This undergraduate credit certificate program, which prepares individuals for careers in nonprofit management, requires a minimum of 36 units, selected in consultation with the Youth Agency Administration director. The program includes course work in four major areas and an internship designed specifically for the program.

Students should plan their program with careful attention given to prerequisites for upper division courses. Refer to the Undergraduate Study: General Information chapter of this catalog for general regulations governing all certificate programs.

Non-matriculated students enrolled through the College of Extended Studies and International Programs are required to complete at least one designated diversity course in order to receive the certificate.

## Requirements for the Certificate (36 units)

### Required Core (16 Units)

- SW 370 - Field of Social Work (4)
- YAA 290 - Introduction to Youth Agency Administration (4)
- POLS 467 - The Third Sector and Nonprofit Organizations (4) **also listed as**
- YAA 467 - The Third Sector and Nonprofit Organizations (4)
- YAA 490 - Volunteer Management and Fund-Raising (4)

### Required Courses in Related Fields (16 units)

Select one course from each of the following four areas:

#### Communications

- COMM 370 - Business and Professional Communications (4)
- COMM 389 - Intercultural Communication in the Urban Environment (4)
- COMM 430 - Dynamics of Organizational Communication (4)
- COMM 489 - Intercultural Communication (4)
- SW 372 - Social Work Practice I: Communication and Interviewing Skills (4)

#### Organizational, Personnel and Fiscal Management

- ACCT 202 - Survey of Accounting (4)
- KIN 422 - Community Service Learning and Physical Activity Programs (4)
- POLS 466 - Public Financial Administration (4)
- POLS 472 - Organization and Management (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 469 - Training and Development (4)
- MGMT 485 - Project Management (4)
- \* SW 475 - Social Work Practice III: Working with Groups (4)  
*\*Prerequisite: SW 372*

#### Marketing

- MKT 304 - Principles of Marketing (4)
- \* MKT 453 - Marketing for Nonprofit Organizations (4)  
*\*Prerequisite: MKT 304*

#### Youth and Family

- CHDV 321 - Urban Families: Contemporary Issues (4)
- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
- ICP 483 - Intercultural Proficiency: Diverse Urban Families (4)
- KIN 421 - Youth Development and Physical Activity (4)
- SW 476 - Child Welfare (4)

#### Internship (4 units)

- SW 495 - Directed Field Experience (4) \* **also listed as**  
*\*Social Work Majors only*
- YAA 495 - Directed Field Experience (4)

## College of Natural and Social Sciences

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### OFFICE OF THE DEAN

ASC, Wing B, 223

Phone: (323) 343-5693

E-mail: [nss@calstatela.edu](mailto:nss@calstatela.edu)

Website: <http://www.calstatela.edu/academic/nssd/>

## Administrators:

**Dean:** James P. Henderson

**Associate Dean:** Rennie B. Schoepflin

**Fiscal/Administration:** Donny Hua

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The College of Natural and Social Sciences (NSS) includes more than over 200 outstanding and dedicated faculty who have won numerous Statewide Outstanding Professor Awards. Composed of fourteen different departments offering a variety of undergraduate and graduate degrees, the College curriculum embraces a range of subjects from A to Z (anthropology to zoology).

At the undergraduate level, the College is strongly committed to liberal arts and sciences with courses offered in all six blocks of the present General Education program. All of the courses in the American Institutions, Natural Science, and Quantitative Reasoning sections are taught by faculty in NSS. In addition, the College offers courses in the Humanities, Social Science, Lifelong Learning and Critical Thinking blocks of the GE program.

Faculty in Chicano Studies, the Korean American and Korean Studies Center, Latin American Studies, Pan African Studies, and Religious Studies combine with their counterparts in Anthropology, Geography, History, Political Science, Psychology and Sociology to significantly promote the university goals of multiculturalism and diversity through teaching, curriculum development and service.

Students taking classes in NSS can choose majors leading to a liberal arts degree as well as degrees aimed at preparing for professions in law, medicine, teaching, and science. The Departments of Biological Sciences, Chemistry and Biochemistry, and Psychology work together in the highly successful **Minority Biomedical Research Support Program (MBRS)**. The Departments of Biological Sciences, Chemistry and Biochemistry, Geography and Urban Analysis, and Geological Sciences work together in the federally funded **CREST** program that supports students pursuing careers in environmental sciences. The latter program represents a prime example of fruitful collaboration encouraged by the unique presence of both natural and social science disciplines in one college.

The Department of Political Science offers a Pre-legal Option in its major and a Prelaw minor for students interested in a legal career.

The Biology, Chemistry, Geology, History, Math, Physics, and Natural Science programs offer students a program for a single subject credential. The Department of Chicano Studies offers a multiple subject teaching option for students interested in a teaching career.

The College of Natural and Social Sciences houses several programs designed to facilitate collaboration between Cal State L.A. and other institutions.

**Bridges to the Future** is a partnership with the Pasadena, Los Angeles and East Los Angeles community colleges to increase the transfer of minority students in the biomedical sciences disciplines at Cal State L.A. **Bridges to the Ph.D.** is a collaborative effort by Cal State L.A., UCLA, USC, and UCI aimed at increasing the number of minority students in Ph.D. programs in the fields of biomedical sciences and the **CSU, Los Angeles Louis Stokes Alliance for Minority Participation** is a partnership with East Los Angeles College and Pasadena City College to increase graduation rates of underrepresented students in science, engineering and mathematics disciplines, to prepare for graduate school. Several projects sponsored by the Environmental Biology Faculty Group, including the **Cal State L.A. Marine Biology Research Project**, facilitate collaboration with scientists from the National Marine Fisheries Service to provide internships and learning projects for Cal State L.A. students interested in the study of biological, oceanographic and global change.

NSS also has a variety of programs and projects that facilitate collaboration between faculty in the biological, health and environmental sciences. In addition to the MBRS and CREST programs mentioned above, these include the **Environmental Sciences Office, Center for Spatial Analysis and Remote Sensing (CSARS)**, the **Minority Access to Research Careers (MARC)**, and **Research Experiences for Undergraduates in Chemistry and Biochemistry**.

# Mission Statement

The College of Natural and Social Sciences at California State University, Los Angeles is committed to programs of academic excellence in the fields of natural and social sciences that provide access and opportunity for our uniquely diverse student body. The College provides innovative degree programs leading to the baccalaureate and master's degrees in an environment that encourages research participation by students and faculty. The College is committed to providing a broad educational experience for all university students, thereby enhancing their ability to contribute to society. Interaction among the natural sciences, social sciences and the community is an essential component of our programs.

## Undergraduate Programs

The College of Natural and Social Sciences at California State University, Los Angeles is committed to programs of academic excellence that provide educational and research opportunities for our diverse student body. Faculty from sixteen departments and programs are dedicated to instruction, scholarship, and university and community service. In general education and undergraduate and graduate programs, the faculty support students in developing creative and critical thinking skills in preparation for careers or for admission to competitive graduate or professional programs in their respective disciplines. The College prides itself in the close interaction between faculty and students, and in its collaborative research environment that encourages student discovery. The College seeks to inspire in our students an appreciation for the biological, physical, and social aspects of our earth and a life-long commitment to improving the lives of its inhabitants.

### **Anthropology**

B.A., Minor

### **Asian and Asian-American Studies**

B.A., Minor

### **Biology**

B.S., Supplementary Authorization for Single Subject Teaching Credential Option, Minor

### **Biochemistry**

(Department of Chemistry and Biochemistry)

B.S. in Biochemistry

### **Chemistry**

B.A., B.S., Supplementary Authorization for Single Subject Teaching Credential Option

### **Chicano Studies**

Minor

### **Geography**

B.A. in Geography, General Option, Geographic Information Systems Option, Urban Analysis Option, Single Subject Teaching Credential in Social Sciences Geography emphasis Option, Minor, Certificate in Geographic Information Systems, B.S. Degree in Geology, Single Subject Science Credential Option, Minor

### **History**

B.A., General Option, Teacher Preparation Single Subject Credential in Social Science Option, Minor, Minor in Labor and Working Class Studies, Minor in Religious Studies

### **Latin American Studies**

B.A., Minor

### **Mathematics**

B.A., General Mathematics Option, Pure Mathematics Option, Single Subject Teaching Traditional Option, Single Subject Teaching Blended Option, B.S., General Mathematics Option, Pure Mathematics Option, Applied Mathematics Option, Applied Mathematics/Computer Science Option, Single Subject Teaching Traditional Option, Supplementary Authorization for Single or Multiple Subject Teaching Credential Option, Subject Matter Authorization in Introductory Mathematics for Single or Multiple subject Teaching Credential Option, Minor

### **Mexican American Studies**

B.A., General Program Option I, Mexican-American Studies Elementary Subject Matter Teacher Preparation Option II, Blended Elementary Subject Matter Teacher Preparation Option III, Elementary Subject Matter Teacher Preparation Option IV, Multiple Subject Credential Option, Minor in Central American Studies, Minor in Mesoamerican Studies

### **Microbiology**

(Department of Biological Sciences)

B.S., Minor

### **Natural Science**

B.S., Traditional Option, Biology Emphasis, Chemistry Emphasis, Geoscience Emphasis, Physics Emphasis; Blended Option, Biology Emphasis, Chemistry Emphasis, Geoscience Emphasis, Physics Emphasis, Single Subject Credential, Subject Matter Preparation Option

### **Pan African Studies**

B.A., Minor

### **Physics**

B.A., B.S. in Physics, B.S. in Physics Option in Biophysics, Supplementary Authorization for Single Subject Teaching Credential Option, Minor in Physics

### **Political Science**

B.A., General Option, Global Politics Option, Prelegal Option, Public Administration Option, General Minor, Global Politics Minor, Prelegal Studies Minor, Public Administration Minor

### **Psychology**

B.A., Minor

### **Sociology**

B.A., General Option, Inequalities and Diversity Option, Law and Society Option, Minor, Minor in Law and Society, Minor in Social Gerontology

## **Graduate and Postbaccalaureate Programs**

Graduate Dean's Office

ASC, Wing B, 223

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Website: [http://www.calstatela.edu/academic/nssd/1GRAD\\_2ca.php](http://www.calstatela.edu/academic/nssd/1GRAD_2ca.php)

The College of Natural and Social Sciences offers fourteen master's degree programs in the fields of natural and social sciences. These graduate programs prepare students for advanced study toward the Ph.D. degree and for careers as professionals in NSS disciplines, community college teaching, industry, and government. Please see below for listing of programs and visit our website for more information.

### **Nationally Accredited Programs:**

#### **Chemistry -**

*American Chemical Society (ACS)*

#### **Psychology (graduate) -**

*Association for Behavior Analysis: International*

#### **Public Administration (graduate) -**

*National Association of Schools of Public Affairs and Administration (NASPAA)*

**Master of Arts Degree in Anthropology** provides training in five areas: culture theory, ethnography, archaeology, linguistics, and physical anthropology.

**Master of Science Degree in Biology** prepares students for biological research, doctoral study, and technical positions.

**Master of Science Degree in Chemistry** (*also an option in Biochemistry*) prepares students for employment in industry, teaching, or more advanced study toward the Ph.D. degree.

**Master of Arts Degree in Geography** prepares students for teaching at secondary and community college level, employment in government and private industry.

**Master of Science Degree in Geological Sciences** prepares students for professional employment in industry and government, teaching positions in community colleges, or advanced study toward the PhD degree. Two options are available: Geology and Environmental Hydrogeology.

**Master of Arts Degree in History** is designed for the attainment of a liberal education appropriate to careers in such professions as law, journalism, business, government service, and librarianship.

**Master of Arts Degree in Latin American Studies** provides a multidisciplinary approach to the study of one of the world's major regions. The program prepares students to pursue careers in teaching, public service, nonprofit organizations, or commerce or to continue in Ph.D. programs in the social sciences.

**Master of Science Degree in Mathematics** prepares students for higher mathematical work in industry, business, government, and teaching.

**Master of Arts Degree in Mexican American Studies** *Department of Chicano Studies* prepares students who wish to pursue a Ph.D. or teach in community colleges.

**Master of Science Degree in Physics** prepares students for community college teaching, employment in industry, or further graduate study toward the doctorate in Physics.

**Master of Arts Degree in Political Science** emphasizes advanced studies for those interested in community college teaching or preparing for doctoral studies in political science.

**Master of Science Degree in Public Administration** (*Department of Political Science*) provides present and future public service employees the administrative skills and knowledge for personnel, financial, and coordination functions in public agencies.

**Master of Arts Degree in Psychology** is a rigorous mentor-based graduate program designed to develop research and conceptual skills for students whose primary interest is in continuing their education in a doctoral program. A key feature of the program is a close mentoring relationship with a faculty member who oversees the student's progress toward his or her individual research goals.

#### **Master of Science Degree in Psychology**

*Applied Behavior Analysis Option:* Is designed to develop specialized professional competence in the application of behavior analysis to counseling, the education of normal children and the developmentally disabled.

*Forensic Psychology Option*: is designed for students whose primary interest is in working or studying in areas of psychology that intersect with the Criminal Justice system.

*Marriage, Family Therapy Option*: meets the educational requirements for state licensure as a Marriage, Family and Child Counselor as set forth by the State of California. **(Program suspended, 2011-2013)**

**Master of Arts Degree in Sociology** prepares students for doctoral studies, teaching, or working in a professional capacity in governmental or private agencies.

**Certificate Programs Offered:**

Biotechnology

Geographic Information Systems

Pre-Health Professionals

## Admission to the Master's Degree Programs

The individual applies via CSUMentor for admission to the university and to the major department if necessary. The Admissions Office evaluates the CSUMentor application for minimum Title 5 criteria and sends the results to the major department. The academic department makes the final decision to admit the student to the graduate program.

## College Rules and Regulations

In addition to University regulations, the College of Natural and Social Sciences has specific graduate regulations governing the following:

- Special Action Admission
- Eligibility of courses on probationary program
- Graduate Writing Proficiency Examination requirement
- Transfer credit on a master's degree program
- Procedures for the master's thesis
- Procedures for the comprehensive examination
- Changing option from comprehensive examination to thesis and vice versa
- Validation of expired courses on a master's degree program

Please check with your major adviser or the Graduate Studies Office of the College for more information.



# Geography, B.A.

The Bachelor of Arts degree in Geography is designed to provide students with an understanding of the world's physical and cultural environments. The program provides a foundation in the theory and practice of contemporary geography, with emphasis on a variety of applied and technical skills that will enhance a student's career opportunities.

The total number of units required for the Bachelor of Arts degree in Geography is 180 units, of which 64 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (64 units)

All options leading to the degree in Geography require 64 units.

The General option requires 28 units of lower division and 36 units of upper division. The Geographic Information Systems option requires 20 units of lower division, 36 units of upper division, and 8 units of electives. The Urban Analysis option requires 16 units of lower division, 32 units of upper division, and 16 units of electives.

## Options

- General Option
- Geographic Information Systems (GIS) Option
- Urban Analysis Option

### General Option (64 units)

#### I. Lower Division Required Courses (28 units)

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOL 150 - Earth Revealed + (4)
- GEOG 170 - Meteorology (4)
- GEOL 220 - Environmental Geoscience (4)
- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following two courses:

- GEOL 155 - Oceanography + (4)
- GEOL 158 - Natural Disasters (4)

#### II. Upper Division Required Courses (36 units)

##### Methods (select 2 of the following) (8 units)

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 482 - Multivariate Statistics in Geography (4)

GIS Applications (select one of the following) (4 units)

- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

Climate (select 1 of the following) (4 units)

- GEOG 310 - Urban Climatology (4)
- GEOG 312 - Global Climate Change and the Developing World (4) (also listed as)
- GEOL 312 - Global Climate Change and the Developing World (4)
- GEOG 410 - Applied Climatology (4)
- GEOL 433 - Quaternary Geology (4)

Environmental Geography (select 2 of the following) (8 units)

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- GEOG 309 - Urban Environmental Pollution (4)
- GEOG 340 - Environmental Geography I (4)
- GEOL 357 - Urban Geology (4)
- GEOG 403 - Environment and Food Customs (4)
- GEOG 415 - Perspectives on Environment (4)
- GEOL 487 - Watershed Analysis (4)

Urban Social Dynamics (select 2 of the following) (8 units)

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- GEOG 432 - Metropolitan Los Angeles (4)
- GEOG 440 - Environmental Geography II — Sustainable Urban Development (4)
- GEOG 442 - Population Geography (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- GEOG 457 - Transportation Geography (4)
- GEOG 458 - Urban Transportation (4)
- GEOG 476 - Urban Geography (4)

Senior Thesis (4 units)

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- GEOG 495 - Senior Thesis (4)

**Geographic Information Systems (GIS) Option (64 units)**

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**I. Lower Division Required Courses (20 units)**

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following courses.

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- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)

**II. Upper division courses (36 units)**

Technical Core (32 units)

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- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOG 482 - Multivariate Statistics in Geography (4)
- GEOG 495 - Senior Thesis (4)

**Plus one of the following (4 units):**

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- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

Systematic Core (4 units)

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Select one of the following:

- GEOG 402 - Geomorphology (4)
- GEOG 407 - Biogeography (4)
- GEOG 410 - Applied Climatology (4)
- GEOG 442 - Population Geography (4)
- GEOG 457 - Transportation Geography (4)
- GEOG 476 - Urban Geography (4)
- GEOG 458 - Urban Transportation (4)

**III. Electives in geography (8 units)**

To be determined by student and advisor. it could include additional courses from the list of systematic core in geography (see above).

**Urban Analysis Option (64 units)**

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**I. Lower Division Required Courses (16 units)**

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following two courses (4 units)

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- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)

## II. Upper division required courses (32 units)

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 370 - World Regions (4)
- GEOG 376 - Urban Spatial Process and Patterns (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 432 - Metropolitan Los Angeles (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- GEOG 476 - Urban Geography (4)
- GEOG 495 - Senior Thesis (4)

## III. Electives (16 units)

Select at least one course from each of the following three groups

### Methods

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- GEOG 442 - Population Geography (4)
- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 482 - Multivariate Statistics in Geography (4)

### Environmental

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- GEOG 309 - Urban Environmental Pollution (4)
- GEOG 310 - Urban Climatology (4)
- GEOG 312 - Global Climate Change and the Developing World (4)
- GEOG 333 - Environment and Development in the Third World (4)
- GEOG 403 - Environment and Food Customs (4)
- GEOG 410 - Applied Climatology (4)
- GEOG 415 - Perspectives on Environment (4)
- GEOG 466 - Remote Sensing (4)
- SOC 487 - Environmental Policy, Law, and Society (4)

### Social and Economic

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- GEOG 457 - Transportation Geography (4)
- GEOG 458 - Urban Transportation (4)
- GEOG 478 - Middle Eastern Cities (4)
- POLS 404 - Urban Government and Politics (4)
- POLS 406 - Los Angeles City Politics (4)
- POLS 461 - Dynamics of Urban Administration (4)
- SOC 430 - Urban Sociology (4)

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## Geography Minor

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A minor in Geography is available for students majoring in other fields. A total of 28 units in geography is required, selected in consultation with an adviser in geography and distributed as follows:

### Requirements for the Minor (28 units)

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#### Required Courses (8 units)

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- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)

#### Electives (20 units)

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Select a minimum of 20 units in geography with consent of adviser. At least 14 units must be upper division.

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## Undergraduate Certificate Program in Geographic Information Systems

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The Geographic Information Systems (GIS) undergraduate credit certificate is offered by the Department of Geography and Urban Analysis to students with up-to-date theory and technology in spatial analysis in urban planning, political science, and environmental studies. It provides students a Post-Baccalaureate alternative for acquiring a recognized certification for GIS competency. A total of 16 units in the following courses are required for the certificate. Refer to the Graduate and Post-Baccalaureate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Upper Division (16 units)

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- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

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## Bachelor of Science Degree in Geology (180 units)

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The Bachelor of Science degree program is designed to provide in-depth study of Earth materials, structures, and processes for professional work in fields such as engineering geology, hydrogeology, and petroleum geology, or graduate study.

The Geology option requires 35 units of foundational courses. Additionally, this option requires a total of 64 units, which consist of 20 units of lower division, 33 units of upper division, and 12 units of electives. The Geosciences Option requires 26-28 units of foundational courses. Additionally, this option requires a total of 72 units, which consist of lower division, 32 units of upper division, and 16 units of electives.

### Options

- Geology Option
- Environmental Geoscience Option

### Geology Option (100 units)

#### I. Lower Division Required Foundational Courses (35 units)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)

#### II. Lower Division Required Courses (20 units)

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOL 252 - Historical Geology (4)

#### III. Upper Division Required Courses (32 units)

- GEOL 301 - Mineralogy and Petrology (4)
- GEOL 360 - Geological Mapping (4)
- GEOL 400 - Optical Mineralogy (4)
- GEOL 401 - Igneous and Metamorphic Petrology (5)
- GEOL 402 - Sedimentary Petrology (4)
- GEOL 410 - Structural Geology (4)
- GEOL 460A - Summer Field Geology (5)
- GEOL 460B - Report for Field Geology (3)

#### IV. Electives (12 units)

Select 3 courses from the following list. Other courses may be substituted with prior advisor approval.

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 402 - Geomorphology (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOL 321 - Geology of Southern California (4)
- GEOL 370 - Geochemistry (4)
- GEOL 422 - Environmental & Forensic Geochemistry (4)
- GEOL 424 - Low Temperature Geochemistry (4)
- GEOL 434 - Volcanology (4)
- GEOL 435 - Coastal Processes and Environments (4)
- GEOL 481 - Engineering Geology (4)
- GEOL 483 - Photogeology (4)
- GEOL 484 - Hydrogeology (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 487 - Watershed Analysis (4)
- GEOL 490 - Special Topics in Geology (1–4)

## Environmental Geosciences Option (98-100 units)

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### I. Lower Division Required Foundational Courses (28 or 26)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4) **or**
- BIOL 300 - Biometrics (4)
- BIOL 100A - Introductory Biology I (5) **and**
- BIOL 100B - Introductory Biology II (5)
- or**
- PHYS 101 - Physics (4) **and**
- PHYS 102 - Physics (4)

### II. Lower Division Required Courses (24)

- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOG 160 - Physical Geography (4)
- GEOG 155 - Cultural Geography (4)
- GEOL 220 - Environmental Geoscience (4)
- GEOL 252 - Historical Geology (4)

### III. Upper Division Required Courses (32 units)

- GEOL 301 - Mineralogy and Petrology (4)
- GEOL 360 - Geological Mapping (4)
- GEOL 402 - Sedimentary Petrology (4)
- GEOL 410 - Structural Geology (4)
- GEOL 422 - Environmental & Forensic Geochemistry (4)
- GEOL 484 - Hydrogeology (4)
- GEOL 487 - Watershed Analysis (4)
- GEOG 410 - Applied Climatology (4)


### IV. Electives (16 units)

Select 4 courses from the following list. Other courses may be substituted with prior advisor approval.

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 402 - Geomorphology (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOL 430 - Stratigraphy and Sedimentology (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOL 321 - Geology of Southern California (4)
- GEOL 370 - Geochemistry (4)
- GEOL 424 - Low Temperature Geochemistry (4)
- GEOL 433 - Quaternary Geology (4)
- GEOL 434 - Volcanology (4)
- GEOL 435 - Coastal Processes and Environments (4)
- GEOL 481 - Engineering Geology (4)
- GEOL 483 - Photogeology (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 490 - Special Topics in Geology (1–4)
- GEOL 491 - Special Laboratory Topics in Geology (1–3)

## Department of Anthropology



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### DEPARTMENT OFFICE

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<http://www.calstatela.edu/academic/anthro/>

The Department of Anthropology offers a wide range of courses in the biological origins and variation of humankind, the archaeological record, and particularly, the comparative study of contemporary cultures. The department offers courses that support programs in the social, behavioral, and life sciences. In addition to preparing students for advanced study or a professional career in anthropology, the degree provides a broad liberal education appropriate to careers in business, law, medicine, government service, and teaching.

## The Faculty

**Professors:** James Brady, Elizabeth Miller, ChorSwang Ngin.

**Associate Professors:** Raquel Ackerman, Beth Baker-Cristales, Elizabeth Miller, René Vellanoweth (Chair).

**Assistant Professors:** Kate Sullivan.

**Emeriti:** Robert H. Ewald, Norman Klein, Catherine Martin, Patricia Martz, Arthur H. Niehoff, Jon L. Olson, Elliott Oring, Fred M. Reinman, Mary Elizabeth Shutler, Jeannette R. Witucki.

## Programs for this Department:

### Undergraduate Major

- Anthropology, B.A.


### Undergraduate Minor

- Anthropology Minor

### Graduate Major

- Anthropology, M.A.



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# Anthropology, B.A.

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## Bachelor of Arts Degree

The Bachelor of Arts degree in Anthropology is available for those who seek a liberal arts education or who wish to prepare for advanced study and research.

The total number of units required for the Bachelor of Arts degree in Anthropology is 180 units, of which 66 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Departmental Honors Program

The Department of Anthropology offers an honors program for students who have completed at least 16 upper division units in anthropology, who have a minimum 3.25 grade point average in all anthropology courses, and who possess a minimum 3.0 grade point average in all college work. Application to the program is made by written petition.

The program is designed to introduce superior students to intensive research experience in anthropology and related fields, as well as to more sophisticated and thorough study of anthropological theory in relevant subareas of the discipline. Honor students are permitted to depart from the normal major program in various ways to broaden and enrich their curriculum.

Honor students plan their programs in consultation with an honors adviser. Students enroll during each of their final three quarters in ANTH 396, and submit a written thesis to the departmental honors committee. Diplomas and transcripts of honors program graduates are designated: "*Graduated with Departmental Honors in Anthropology.*"

### Requirements for the Major (68 units)

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The major requires 68 units in anthropology, of which 12 are in lower division and 56 in upper division courses.

#### Foreign Language Requirement

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In addition to the 68 units, students must include 12 units of a modern foreign language in their lower division program or offer proof of successful completion of three years of modern language study in high school or receiving a score indicating at least 2nd year proficiency on the college level foreign language placement test as an acceptable equivalent. An additional acceptable equivalent can be the successful completion of three upper division courses in linguistics.

- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
  
- ANTH 471 - Introduction to Linguistics (4) **also listed as**
- ENGL 400 - Introduction to Linguistics (4)
  
- and**
- ANTH 472 - Linguistic Analysis (4)

#### Upper Division Writing Requirement

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To satisfy this university requirement, students must take

- ANTH 481 - Academic Writing and Publishing (4)

#### Lower Division Required Courses (12 units)

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- ANTH 250 - Cultural Anthropology (4)
- ANTH 260 - Physical Anthropology (4)
- ANTH 270 - Introduction to Archaeology (4)

#### Upper Division Required Courses (8 units)

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- ANTH 460 - Human Evolution (4)

- ANTH 497 - History of Ethnological Theory (4)

## Electives (48 units)

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### Select two from following Area courses (4 units):

- ANTH 401 - Comparative Cultures (4)
- ANTH 404 - Peoples of South America (4)
- ANTH 406 - Indians of North America (4)
- ANTH 407 - Indians of California (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 413 - Peoples of Africa (4)
- ANTH 414 - Peoples of Asia (4)
- ANTH 415 - Asian American Communities in Southern California (4) **also listed as**
- AAAS 415 - Asian American Communities in Southern California (4)

### Select one from following Archaeology courses (4 units):

- ANTH 421 - Archaeology of North America (4)
- ANTH 423 - Material Culture (4)
- ANTH 425 - Archaeology of the Old World (4)
- ANTH 427 - Cultural Resources Management (4)
- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ANTH 429 - Maya Civilization (4)

### Select two from following Methods courses (12 units):

- ANTH 424 - Archaeological Research Techniques (6)
- ANTH 446 - Anthropological Film (6)
- ANTH 464 - Methods and Techniques of Physical Anthropology (6)
- ANTH 480 - Anthropological Methods and Techniques (6)
- ANTH 485 - Archaeological Analysis (6)

### Select one from following Cultural courses (4 units):

- ANTH 430 - Social Organization (4)
- ANTH 432 - Anthropology of Wealth and Power (4)
- ANTH 433 - Urban Anthropology (4)
- ANTH 434 - Globalization and Cultural Change (4)
- ANTH 435 - Culture and the Individual (4)
- ANTH 436 - Ethnicity and Nationalism (4)
- ANTH 437 - Magic, Witchcraft, and Religion (4)
- ANTH 447 - Anthropology of Media (4)

### Select one from following Physical courses (4 units):

- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 459 - Human Osteology (4)
- ANTH 462 - Human Ecology and Adaptation (4)
- ANTH 463 - Forensic Anthropology (4)
- ANTH 466 - Paleopathology (4)

### Select one from following Linguistics courses (4 units):

- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
  
- ANTH 471 - Introduction to Linguistics (4) **also listed as**
- ENGL 400 - Introduction to Linguistics (4)
  
- ANTH 472 - Linguistic Analysis (4)

Select a minimum of 16 additional units of electives in anthropology.

Select additional 400 level courses in anthropology to complete upper division minimum of 56 units.

#### Note:

Beyond this minimum, students are encouraged to add elective courses from other disciplines, in consultation with major advisers.

# Anthropology Minor



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A minor in Anthropology is available for students majoring in other fields. A total of 30 units in anthropology, of which 12 are in lower division courses and 18 units are in upper division courses, is required.

## Requirements for the Minor (30 units)

### Lower Division Required Courses (12 units)

- ANTH 250 - Cultural Anthropology (4)
- ANTH 260 - Physical Anthropology (4)
- ANTH 270 - Introduction to Archaeology (4)

### Upper Division Electives (18 units)

Select one from following area courses (4 units):

- ANTH 401 - Comparative Cultures (4)
- ANTH 404 - Peoples of South America (4)
- ANTH 406 - Indians of North America (4)
- ANTH 407 - Indians of California (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 413 - Peoples of Africa (4)
- ANTH 414 - Peoples of Asia (4)
- ANTH 415 - Asian American Communities in Southern California (4) **also listed as**
- AAAS 415 - Asian American Communities in Southern California (4)

Select one from the following methods courses (6 units):

- ANTH 424 - Archaeological Research Techniques (6)
- ANTH 446 - Anthropological Film (6)
- ANTH 464 - Methods and Techniques of Physical Anthropology (6)
- ANTH 480 - Anthropological Methods and Techniques (6)
- ANTH 485 - Archaeological Analysis (6)

Select two from following (8 units):

- ANTH 361 - Race, Racism, and Human Variation (4)
- ANTH 421 - Archaeology of North America (4)
- ANTH 423 - Material Culture (4)
- ANTH 425 - Archaeology of the Old World (4)
- ANTH 427 - Cultural Resources Management (4)
- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ANTH 429 - Maya Civilization (4)
- ANTH 430 - Social Organization (4)
- ANTH 432 - Anthropology of Wealth and Power (4)
- ANTH 433 - Urban Anthropology (4)
- ANTH 434 - Globalization and Cultural Change (4)
- ANTH 435 - Culture and the Individual (4)
- ANTH 436 - Ethnicity and Nationalism (4)
- ANTH 437 - Magic, Witchcraft, and Religion (4)
- ANTH 444 - Medical Anthropology (4)
- ANTH 445 - Myth and Folklore (4)
- ANTH 447 - Anthropology of Media (4)
- ANTH 459 - Human Osteology (4)
- ANTH 462 - Human Ecology and Adaptation (4)
- ANTH 463 - Forensic Anthropology (4)
- ANTH 466 - Paleopathology (4)
- ANTH 470 - Language and Culture (4) **also listed as**
- ENGL 403 - Language and Culture (4)
- ANTH 471 - Introduction to Linguistics (4) **also listed as**
- ENGL 400 - Introduction to Linguistics (4)
- ANTH 497 - History of Ethnological Theory (4)

# Anthropology, M.A.

## Master of Arts Degree

The objective of the M.A. degree in Anthropology is to prepare students for professional level employment in industry and government, teaching positions in community colleges, or advanced study towards the PhD. degree. The program has four options: General Anthropology, Archaeology, Sociocultural Anthropology, and Forensic Anthropology. The General Anthropology option prepares students in the traditional areas of anthropology: culture theory, ethnography, archaeology, linguistics, and physical anthropology. The Archaeology option prepares students for careers in archaeology or cultural resource management. The Forensic Anthropology option prepares students for careers in forensic anthropology or other aspects of law enforcement. The Sociocultural option prepares students for careers in cultural anthropology or ethnography.

### Admission to the Program

With the exception of the Forensic Anthropology option, applicants must have a baccalaureate in anthropology and a 2.75 grade point average in the last 90-quarter units attempted and a B (3.0) grade point average in anthropology courses. Those whose undergraduate major was not anthropology must complete 20-32 units in anthropology, including ANTH 497, with a B average. Students' actual number of units required is determined by advisement during their first quarter of postbaccalaureate study.

Students are accepted into the Anthropology program for the fall, winter and spring quarters. Students must notify the department of their intent to seek admission to the Archaeology, Forensic, General, or Sociocultural option at the time of their application. For the Forensic Anthropology option, students are strongly encouraged to apply for fall admission.

Students must apply to both the University and to the Department of Anthropology. Students must have a minimum GPA of 2.75 in the last 90 quarter college units taken and a 3.0 in Anthropology units. All applicants must submit a separate application form (available from the Department) to the Department of Anthropology that includes a statement of purpose, two letters of recommendation, and unofficial transcripts from all colleges and universities attended. The top ranked applicants to the forensic anthropology option may be given a telephone or personal interview. Completed applications must be submitted to the Department of Anthropology by March 10 for fall admission, by August 10 for winter admission and by November 10 for spring admission.

### Requirements for the Degree (47-53 units)

A total of 47 - 53 units is required, with at least 24-29 units in 500-level courses, as specified by each option. All students must have a reading or speaking knowledge of a relevant research language or demonstrate proficiency in linguistic analysis, statistics, or a faculty-approved skill set. A faculty approved skill set consists of at least two courses chosen from 400 or 500 level courses within the university that satisfy technical, analytical, and experiential requirements specific to each student's focus within the discipline. These courses will be chosen by the student and his or her faculty advisor in consultation with the department curriculum committee. Students must satisfy this requirement in order to be advanced to candidacy and attempt the comprehensive examination or submit a thesis proposal. Students must complete either the comprehensive examination or a thesis prior to graduation, as required and the individual options presented below. Students also must fulfill all university requirements including the graduation writing assessment requirement (GWAR). Students must pass ANTH 510A, 510B (except students in the Forensic option), 520 and 560 with a grade of B or better to graduate.

### Options

- General Anthropology Option
- Archaeology Option
- Forensic Anthropology Option
- Sociocultural Anthropology Option

### General Anthropology Option (47 units)

A total of 47 units are required, with at least 25 in 500-level courses.

#### Required Courses (20 units)

- ANTH 510A - Seminar: Anthropological Theory and Analysis (4)
  - ANTH 510B - Seminar: Anthropological Theory and Analysis (4)
  - ANTH 520 - Seminar: Archaeology (4)
  - ANTH 560 - Seminar: Physical Anthropology (4)
  - ANTH 570 - Seminar: Language and Culture (4)
- Grade B or better required for continuance in program.

### **Electives (21 or 27 units)**

Select from 400 and 500-level anthropology courses, including at least two different 500-level courses. A maximum of 8 units in a related field may be included with prior adviser consent. Total must include 6 units of ANTH 599 along with 21 units of electives if thesis option is selected. Total must include 27 units of electives if comprehensive exam option is selected.

### **Comprehensive Examination or Thesis (0, 6 units)**

Students may not take the comprehensive examination (ANTH 596) prior to advancement to candidacy and must comply with college and department requirements. Examinations are required in three of the following areas: Archaeology, Sociocultural Anthropology, Linguistic Anthropology, or Physical Anthropology. Students in the General option are expected to take the comprehensive exams and will be eligible for the thesis option only with department approval.

- ANTH 596 - Comprehensive Examination (0)
- or
- ANTH 599 - Thesis (1–3) (6)

## **Archaeology Option (48-50 units)**

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A total of 48 - 50 units are required, with at least 25 in 500-level courses.

### **Required courses (36 units)**

- ANTH 424 - Archaeological Research Techniques (6)
- ANTH 427 - Cultural Resources Management (4)
- ANTH 485 - Archaeological Analysis (6)
- ANTH 510A - Seminar: Anthropological Theory and Analysis (4)
- ANTH 510B - Seminar: Anthropological Theory and Analysis (4)
- ANTH 520 - Seminar: Archaeology (4)
- ANTH 521 - Development of Archaeological Theory (4)
- ANTH 560 - Seminar: Physical Anthropology (4)

### **Electives (8 -12 units)**

Select from 400 and 500-level Anthropology courses. Students are required to take a minimum of 8 units of electives if they choose the thesis option or 12 units of electives if they are approved for the comprehensive exam option. A maximum of 8 units in a related field may be substituted with prior adviser consent.

### **Comprehensive examination or Thesis (0, 6 units)**

Students in the Archaeology option are expected to write a thesis. Students may not take thesis units (ANTH 599) prior to advancement to candidacy and must comply with college and department requirements. Students in the Archaeology option will be eligible for the Comprehensive Exam option only with departmental approval.

- ANTH 596 - Comprehensive Examination (0)
- or
- ANTH 599 - Thesis (1–3) (6)

## **Forensic Anthropology Option (52 units)**

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A minimum of 52 units is required, with at least 27 in 500-level courses.

### **Required courses (38 units)**

- ANTH 424 - Archaeological Research Techniques (6)
- ANTH 459 - Human Osteology (4)
- ANTH 463 - Forensic Anthropology (4)
- ANTH 510A - Seminar: Anthropological Theory and Analysis (4)
- ANTH 520 - Seminar: Archaeology (4)
- ANTH 560 - Seminar: Physical Anthropology (4)
- ANTH 563 - Advanced Forensic Anthropology (4)
- ANTH 564 - Forensic Osteology (4)
- CRIM 557 - Forensic Pathology (4)

### **Electives (8 units)**

Select at least two courses from the following list.

- ANTH 427 - Cultural Resources Management (4)
- ANTH 442 - Anthropology of Rights (4)
- ANTH 449 - Anthropology of Race and Racism (4)
- ANTH 466 - Paleopathology (4)

### Thesis (6 units)

Students in the Forensic Anthropology option are expected to write a thesis. Students may not take thesis units (ANTH 599) prior to advancement to candidacy and must comply with college and department requirements.

- ANTH 599 - Thesis (1–3) (6)

### Sociocultural Anthropology Option (51 units)

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A minimum of 51 units is required, with at least 26 in 500-level courses.

#### Required courses (33 units)

- ANTH 501 - Seminar: Ethnography (4)
- ANTH 510A - Seminar: Anthropological Theory and Analysis (4)
- ANTH 510B - Seminar: Anthropological Theory and Analysis (4)
- ANTH 520 - Seminar: Archaeology (4)
- ANTH 530 - Seminar: Social Organization (4)
- ANTH 560 - Seminar: Physical Anthropology (4)
- ANTH 570 - Seminar: Language and Culture (4)
- ANTH 580 - Methods in Ethnography (5)

#### Electives (12 or 18 units)

No more than four (4) units may be taken from the following:

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- ANTH 404 - Peoples of South America (4)
- ANTH 406 - Indians of North America (4)
- ANTH 407 - Indians of California (4)
- ANTH 413 - Peoples of Africa (4)
- ANTH 414 - Peoples of Asia (4)
- ANTH 415 - Asian American Communities in Southern California (4)

The remainder of electives may be taken from the following:

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- ANTH 432 - Anthropology of Wealth and Power (4)
- ANTH 433 - Urban Anthropology (4)
- ANTH 434 - Globalization and Cultural Change (4)
- ANTH 435 - Culture and the Individual (4)
- ANTH 436 - Ethnicity and Nationalism (4)
- ANTH 437 - Magic, Witchcraft, and Religion (4)
- ANTH 440 - Applied Anthropology (4)
- ANTH 441 - Anthropology and Identity (4)
- ANTH 446 - Anthropological Film (6)
- ANTH 447 - Anthropology of Media (4)
- ANTH 448 - Sexualities and Gender Diversity in Global Perspective (4)
- ANTH 449 - Anthropology of Race and Racism (4)
- ANTH 472 - Linguistic Analysis (4)
- ANTH 594 - Seminar: Problems in Anthropology (4)

#### Note:

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A maximum of eight (8) units in a related field may be included with prior advisor consent. Total must include 18 units of electives if comprehensive exam option is selected.

#### Comprehensive Examination or Thesis (0 or 6 units)

Students in the Sociocultural Anthropology option may choose between completing a thesis or the Comprehensive Examinations. Students who choose the Thesis option may not take thesis units (ANTH 599) prior to advancement to candidacy and must comply with college and department requirements. For those who choose to take the Comprehensive Examinations, examinations are required in three of the following areas: Archaeology, Sociocultural Anthropology, Linguistics Anthropology, or Physical Anthropology.

- ANTH 596 - Comprehensive Examination (0)  
or
- ANTH 599 - Thesis (1–3) (6)

## Department of Biological Sciences

### DEPARTMENT OFFICE

Biological Sciences 142

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Website: <http://www.calstatela.edu/academic/biol/>

The Department of Biological Sciences offers programs leading to Bachelor of Science and Master of Science degrees in Biology, and a Bachelor of Science degree in Microbiology.

## The Faculty

**Professors:** Robert A. Desharnais, Margaret C. Jefferson, Philip S. LaPolt, Nancy L. McQueen(Chair), Alan E. Muchlinski, Carlos D. Robles, James M. Rosser, Amelia A. Russo-Neustadt, Sandra B. Sharp, Elizabeth Torres.

**Associate Professors:** Patrick Krug, Paul Narguizian, Robert Nissen, Edith Porter, Tina Salmassi, H. Howard Xu.

**Assistant Professors:** Edward Eivers, Kirsten Fisher, Hyunsook Park, Katrina Yamazaki.

**Emeriti:** Wayne Paul Alley, Kenneth Anderson, Roger R. Bowers, Samuel M. Caplin, Brian Capon, Theodore J. Crovello, Richard Fleming, John Gamon, William R. Hanson, Margaret J. Hartman, James W. Harvey, James Henrickson, George E. Jakway, Beverly Krilowicz, Genaro A. Lopez, Daniel P. Mahoney, Rosemarie Marshall, Evan K. Oyakawa, Betsy Peitz, Howard Rosen, Mercer Price Russell, Joseph T. Seto, David L. Soltz, Richard M. Straw, Velma J. Vance, Richard J. Vogl.

## Departmental Honors Program

The Department of Biological Sciences offers an honors program for upper division biology students who have completed 94 quarter units, including 40 units in the major, with a minimum B (3.0) grade point average both overall and in the major. Students shall have completed 24 units of the major in residence at Cal State L.A.

The honors program introduces superior students to intensive research experience in biology. Honor students are assisted by an honors adviser and two other committee members. Enrollment in BIOL 396, Honors Study in Biology, for 5 units is required, and enrollment in BIOL 499, Undergraduate Directed Study, for 1–4 units, is optional. A prospectus, a written thesis, and a final oral examination about the thesis, administered by the committee, are required parts of the program. Diplomas and transcripts of honors program graduates are designated: "Graduated with Departmental Honors in Biology."

## Departmental Honors Program

The Department of Biological Sciences offers an honors program for upper division microbiology students who have completed 94-quarter units, including 40 units in the major, with a minimum B (3.0) grade point average both overall and in the major. Students shall have completed 24 units of the major in residence at Cal State L. A.

The honors program introduces highly motivated students to intensive search experience in microbiology. Honors students are assisted by an honors adviser and two other committee members. Enrollment in MICR 396 Honor's Thesis in Microbiology, for 5 units is required. Students can apply these units to their degree program. A prospectus, a written thesis, and a final oral examination about the thesis, administered by the committee, are required parts of the program. Diplomas and transcripts of honors program graduates are designated: "Graduated with Departmental Honors in Microbiology." Enrollment in MICR 499, Undergraduate Directed Study, for 1-4 units, prior to MICR 396 is optional, though recommended.

## The Credential Program

The Department of Biological Sciences participates in the interdisciplinary Bachelor of Science degree program in Natural Science, with an emphasis in Biological Sciences (<http://www.calstatela.edu/academic/natsci>), which satisfies the subject matter requirements for the Single Subject credential in Science. That program is described later in this chapter of the catalog. Students should consult advisers in the department and in the Charter College of Education. Refer to the undergraduate Charter College of Education chapter of this catalog for regulations governing all teaching credential programs.

## Programs for this Department:

### **Undergraduate Major**

- Biology, B.S.
- Microbiology, B.S.

### **Undergraduate Minor**

- Bioinformatics
- Biology Minor
- Microbiology Minor

### **Graduate Major**

- Biology, M.S.
- Environmental Science, M.S.
- Master of Biotechnology (MBt)

### **Graduate Certificate**

- Graduate Certificate Program in Biotechnology
- Post-Baccalaureate Certificate Program for Pre-Health Professionals

### **Credential**

- Biological Sciences Credential Program
- Single Subject Credential in Science



## Biology, B.S.

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The Bachelor of Science degree in Biology provides a balanced blend of traditional and modern biology, incorporating the important generalizations of traditional biology with the more recent advances. The degree may lead to graduate study in biology or related fields such as forensic science; entrance into professional schools in medicine, dentistry, or pharmacy; and employment in applied or technical aspects of biology including the biotechnology industry and environmental science areas. In addition to the usual course offerings, the Department of Biological Sciences participates in the Southern California Ocean Studies Institute (SCOSI) and the California Desert Studies Consortium, which are explained in detail under Consortia in the first chapter of this catalog. The department also participates in the Interdisciplinary Bachelor of Science degree program in Natural Science.

The total number of units required for the Bachelor of Science degree in Biology is 186 units, of which 120 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (120 units)

Of the 186 units required for the Bachelor of Science degree in Biology, the major requires 120 while the general education program and other university requirements total 66. Competence in mathematics through

MATH 205 is required. It is recommended that students complete at least one year of a foreign language.

Successful completion of the major requires a minimum C (2.0) overall grade point average in all courses required for the major. At least 18 units of upper division course work that fulfills major requirements must be taken in residence (not to include courses graded CR/NC).

### Lower Division Required Courses (55 units)

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- MATH 204 - Applied Calculus I (4)
- MATH 205 - Applied Calculus II (4)
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)

### Upper Division Required Courses (33 units)

- BIOL 300 - Biometrics (4)
- BIOL 320 - Writing for Biologists (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)
- BIOL 380 - Cell Biology (4)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)

### Electives (32 units)

With prior written approval of their adviser, students must select certain upper division courses in biology and other natural sciences, mathematics, and physical sciences. No upper division course with the suffix N or upper division general education course may be used to fulfill major requirements.

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## Microbiology, B.S.

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The Bachelor of Science Degree in Microbiology offers students preparation for training positions leading to licensure as registered clinical laboratory scientists, for graduate studies and for various employment opportunities in the biotechnology industry, public health, environmental applications, the pharmaceutical, fermentation, sanitation, and dairy industries, and for research positions in university/private/clinical laboratories. Students pursuing a degree in microbiology may qualify for entrance to medical or dental schools by including appropriate elective courses in their program.

The total number of units required for the Bachelor of Science degree in Microbiology is 186 units, of which 120 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (120 units)

Of the 186 units required for the Bachelor of Science Degree in Microbiology, the major requires 120. The core requires 103 units, 17 elective units must be taken, with adviser approval. Successful completion of the major requires a minimum C (2.0) overall grade point average in all required courses. At least 18 units of upper division course work that fulfills major requirements must be taken in residence (not to include courses graded CR/NC).

#### Lower Division Required Core Courses (46 units)

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- MATH 204 - Applied Calculus I (4)
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)

#### Upper Division Required Core Courses (57 units)

- MICR 300 - General Microbiology (5)
- MICR 301 - General Medical Microbiology (4)
- MICR 302 - Pathogenic Bacteriology (5)
- MICR 304 - Immunology and Serology (5)
- MICR 331 - Structure and Function of Bacteria (3)
- MICR 340 - Microbial Genetics (3)
- BIOL 300 - Biometrics (4)
- BIOL 320 - Writing for Biologists (4)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- CHEM 431A - Biochemistry (3)
- CHEM 431B - Biochemistry (3)
- CHEM 431C - Biochemistry (3)
- CHEM 432A† - Biochemistry Laboratory (2)

#### Elective courses (17 units)

With prior written approval of their adviser, students select certain courses in microbiology, biology, math, and related sciences from a current list approved by the department. These courses will be selected according to the students' individual career plans. No upper division course with the suffix N or upper division general education course may be used to fulfill the major requirements.

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## Biology Minor

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A Biology minor, which is available for students majoring in other fields, offers a general exposure that is beneficial in some areas of environmental science, recreation, conservation, and comparable fields.

A total of 32 units is required, including 20 units in lower division courses and 12 units in upper division electives.

Successful completion of the minor requires a C (2.0) overall grade point average for required courses taken in residence and for all required courses. At least 12 units of upper division course work that fulfills requirements of the minor must be taken in residence at Cal State L.A. (not to include courses graded *CR/NC*).

### Requirements for the Minor (32 units)

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#### Lower Division Required Courses (20 units)

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- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- CHEM 151† - Fundamentals of Chemistry I (5)

#### Upper Division Electives in Biology (12 units)

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With adviser approval, choose 3 courses from among upper division courses in biology, excluding 396, 398, 499, and courses with the suffix N.

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## Microbiology Minor

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The department offers a minor in Microbiology for students majoring in other fields. The minor consists of a 24-unit core and 8 units of electives. The purpose of this minor is to allow students from a variety of related majors the opportunity to focus a portion of their baccalaureate course work on microbiology in order to qualify them for postbaccalaureate positions requiring such knowledge. Chemistry 101†, 291A, 291B, 292A†, and 292B† are prerequisite to several of the courses in the minor. Interested students are urged to consult with a microbiology faculty member for advisement before beginning the minor.

### Requirements for the Minor (32 units)

#### Required Core (24 units)

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- CHEM 102† - General Chemistry II (5)
- MICR 300 - General Microbiology (5)
- MICR 301 - General Medical Microbiology (4)

#### Electives (8 units)

(select 8 units from the following)

- MICR 302 - Pathogenic Bacteriology (5)
- MICR 304 - Immunology and Serology (5)
- MICR 331 - Structure and Function of Bacteria (3)
- MICR 340 - Microbial Genetics (3)
- MICR 401 - General Virology (3)
- MICR 412 - Introduction to Epidemiology (4)
- MICR 430 - Bacterial Physiology (3)
- MICR 433 - Bacterial Physiology Laboratory (2)

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## Biology, M.S.



The Master of Science degree in Biology is designed to prepare students for biological research, doctoral study, technical positions in university, hospital and public health laboratories, the biotechnology industry or other industry settings, government agencies, and community college teaching. Graduate students may focus their studies in any of the following areas: animal biology, applied microbiology, biotechnology, cell biology, developmental biology, ecology, environmental biology, environmental microbiology, evolution, genetics, immunology, marine biology, molecular biology, molecular phylogenetics, neurobiology, physiological ecology, plant biology, population genetics, virology, or zoology.

### Admission to the Program

Application to the Department of Biological Sciences and the University is required. The completed departmental application, together with transcripts of all previous college work, general Graduate Record Exam (GRE) scores (no minimum score requirement), and three letters of recommendation, must be received by the department prior to the following deadlines:

- March 15 for admission to Fall Quarter
- January 1 for admission to Spring Quarter

Applications will be reviewed by the Department and assessed based on the completed application form and supporting materials.

Applicants are expected to possess a baccalaureate in a biological science, such as biochemistry, biology, medical technology, or microbiology, equivalent to the Bachelor of Science degree offered at Cal State L. A. Applicants may be admitted to the degree program in *classified* or *conditionally classified standing*. Classified standing is granted to those accepted applicants who have a minimum 2.75 grade point average in their last 90 quarter units attempted. Conditionally classified standing is granted to those accepted applicants whose grade point average in their last 90 quarter units attempted is between 2.5 and 2.74. Conditionally classified students must achieve a B (3.0) grade point average in four qualifying courses (to be approved in advance by the graduate adviser) that should be completed by the end of their second quarter of graduate study and must be among the first six courses completed.

Applicants who wish to enter the program from outside the biological science area must complete the following courses (or equivalents) to be eligible for graduate status in the Biological Sciences Department:

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)
- BIOL 380 - Cell Biology (4)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)

### Requirements for the Degree (45 units)

A minimum of 45 units is required, with at least 25 in 500-level courses. A thesis is required. All students must complete BIOL 500 Graduate Orientation during the first quarter of attendance, BIOL 510 (*Seminar: Biology*) twice during their first year in classified graduate standing, and BIOL 594 Graduate Thesis Prospectus, within the first three quarters after joining a research laboratory. Students also must fulfill all University requirements including the Graduation Writing Assessment Requirement (GWAR). All students must present their thesis research in a department seminar.

The M.S. degree requires a minimum of 20 units of 400 or 500-level elective courses in biology or related fields. These courses are selected in consultation with an adviser and should provide the student with the necessary background for thesis research.

The M.S. degree also requires a minimum of two graduate seminar courses (3 units each) in addition to BIOL 500 (1), BIOL 510 (1,1), BIOL 594 (1) and one of the following options:

## Option I (15 units)

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### Required Course (4 units)

- BIOL 595 - Individual Research in Gene Manipulation (4)

### Graduate Research (2 units)

- BIOL 597 - Graduate Research (1–2)

### Thesis (9 units)

- BIOL 599 - Thesis (1–3)

Or

## Option II (15 units)

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### Graduate Research (6 units)

- BIOL 597 - Graduate Research (1–2)

### Thesis (9 units)

- BIOL 599 - Thesis (1–3)

### Note:

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Before enrolling in BIOL 597 and 599 students must have received credit for BIOL 594 . Students may enroll in BIOL 598 prior to enrolling in BIOL 594. BIOL 594 must have been completed within three quarters of the date students attain classified graduate standing in order for them to remain eligible for assistantships.

Before being awarded the M.S. degree, students must present their thesis research in a public seminar immediately followed by an oral defense administered by the thesis committee.

## Environmental Science, M.S.



The Master of Science Degree in Environmental Science prepares students for environmental science research, doctoral study, community college teaching, and technical positions in universities, industry, or governmental agencies. The degree offers three options: Environmental Biology, Environmental Engineering Science, and Environmental Hydrology. The Environmental Biology Option emphasizes basic research into such areas as conservation, pollution, and global change. Environmental Engineering Science Option treats similar issues (i.e., air, soil, and water pollution and sustainability) from the perspective of engineering solutions. The Environmental Hydrology Option emphasizes fundamental problems of the hydrologic cycle, including water pollution issues, wetlands and watershed hydrology, and hydrologic modeling.

### The degree offers two training experiences

- The Professional Experience is designed for students who want to conclude graduate studies with a master's degree and immediately seek employment in government agencies or industry.
- The Research Experience is designed for students who want to continue on to a doctoral program for further preparation for work in academia, agencies or industry.

## Admission to the Program

Applicants must possess a BA or BS degree from an accredited institution in biology, chemistry, civil engineering, environmental engineering, environmental science, geography, geology, or a related field. Applicants with a minimum GPA of 2.75 in the last 90 quarter (60 semester) units who are admitted by the Environmental Science Program are admitted to the degree program in Conditionally Classified standing. Promising applicants with GPAs in the last 90 quarter (60 semester) units between 2.5 and 2.74 may be admitted as Special Action students. Special Action students must achieve an overall grade point average of a B (3.0) for four qualifying courses (approved in advance by the student's graduate advisor). The qualifying courses should be completed by the end of the second quarter of graduate study. Students accepted with a BA degree may, at the discretion of the Program Director and Primary Advisor, be required to take additional background courses in their first two quarters.

## Application Procedures

Separate applications to the University and the Environmental Science program are required. For University application procedures and deadlines, students should follow published guidelines available in the University catalog and on the University website. Applications to the Environmental Science program (available in the Biological Sciences Department office) together with transcripts of all previous college work and three letters of recommendation must be received by the Department of Biological Sciences prior to the following deadlines:

- August 1 for admission to Fall Quarter
- February 1 for admission to Spring Quarter

Applications will be reviewed by University Admissions and the Environmental Science Program.

Admission to the University does not guarantee admission to the program.

### Requirements for the Degree (46 units)

A minimum of 46 units are required for the degree with at least 50% from 500-level courses. A grade point average of 3.0 (grade of B) or better is required in all courses taken to satisfy the requirements for the degree. For Professional Experience students, at least one course must be selected from all four of the foundation areas listed below; for Research Experience students, at least one course must be selected from three of the four foundation areas. Courses used to satisfy the foundation requirement cannot be used to satisfy the option requirement (see below). A student may substitute equivalent courses as foundation courses upon approval from the Primary Advisor, the student's graduate committee, and the Program Director.

### Foundation Areas: (12 or 16 units)

#### 1. Written and Oral Communication:

- a. BIOL 561 - Seminar: Professional Development in Environmental Science (4)

## 2. Spatial Information and Computer Actuated Databases:

- a. GEOG 469 - Spatial Analysis and GIS Modeling (4)

## 3. Statistical Analyses and Experimental Design:

- a. BIOL 408 - Experimental Design and Advanced Biometry (4)
- b. MATH 474 - Theory of Probability (4)

## 4. Public Policy and Environmental Management:

- a. POLS 585 - Seminar: Regulation, the Environment and California Public Policy (4)
- b. SOC 487 - Environmental Policy, Law, and Society (4)

## Students must then choose one of three options:

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- Environmental Biology
- Environmental Engineering Science
- Environmental Hydrology

### Option 1: Environmental Biology (16 units)

Provides preparation for a career within academics or agencies in specific research areas such as conservation, pollution, and global change. Professional Experience and Research Experience students must take a minimum of 16 units. Select courses from the list below:

#### Required Course

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- BIOL 560 - Workshop in Environmental Science (4)

#### Elective Courses:

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- BIOL 415 - Population Genetics (4)
- BIOL 420 - Global Change (4)
- BIOL 432 - Fundamentals of Toxicology (4)
- BIOL 470 - Conservation Biology (4)
- BIOL 472 - Marine Ecology (4)
- BIOL 473 - Molecular Ecology (4)
- BIOL 540 - Seminar: Data Analysis for the Biological Sciences (3) (3)
- BIOL 543 - Seminar: Ecology - Environmental Biology (3)
- BIOL 545 - Seminar: Genetics Evolution (3)
- PH 526 - Seminar in Health Effects of Environmental Contaminants (3)

### Option 2: Environmental Engineering Science (16 units)

Provides preparation for a career in engineering research or applications. Professional Experience and Research Experience students must take a minimum of 16 units, 8 of which must be in Civil Engineering. Select courses from the list below:

#### Required Course:

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- CE 486 - Groundwater Contamination and Remediation (4)

#### Elective Courses:

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- CE 484 - Sewerage and Sewage Treatment (4)
- CE 579 - Environmental Mass Transfer (4)
- CE 580 - Environmental Transport (4)
- CHEM 411 - Fundamentals of Physical Chemistry (4)
- CHEM 462† - Instrumental Analysis (6)
- GEOG 560 - Seminar: Methods and Techniques in Geography (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 561 - Vadose Zone Hydrogeology (4.5)
- GEOL 562 - Contaminant Hydrogeology (4.5)
- GEOL 563 - Water Quality Seminar (4.5)

### Option 3: Environmental Hydrology (16 units)

Provides preparation for a career in hydrology and water quality. Professional Experience and Research Experience students must take a minimum of 16 units. Select courses from the list below:

#### Required Courses:

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- GEOL 484 - Hydrogeology (4)
- GEOL 487 - Watershed Analysis (4)

Select additional hydrology courses from the list below:



- 
- CE 486 - Groundwater Contamination and Remediation (4)
  - CE 579 - Environmental Mass Transfer (4)
  - CE 580 - Environmental Transport (4)
  - CHEM 462† - Instrumental Analysis (6)
  - GEOL 422 - Environmental & Forensic Geochemistry (4)
  - GEOL 485 - Groundwater Management and Models (4)
  - GEOL 561 - Vadose Zone Hydrogeology (4.5)
  - GEOL 562 - Contaminant Hydrogeology (4.5)
  - GEOL 563 - Water Quality Seminar (4.5)
  - GEOG 468 - Digital Cartography (4)
  - GEOG 466 - Remote Sensing (4)

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### **Culminating Experiences: Thesis, Reports, Presentations, Exams (14 or 18 units)**

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Professional Experience students must complete the two courses listed below (10 units). For ENVS 595, the student must complete a part- or full-time internship experience of at least one and a maximum of three quarters. Professional Experience students also are expected to present a seminar, either in ENVS 511 or a departmental seminar of a participating department following completion of their internship.

- ENVS 511 - Seminar: Environmental Science (1) (2 units)
- ENVS 595 - Directed Field Work (1–8) (8)

#### **Research Experience Students**

Research Experience students must complete the three courses listed below (10 units). As part of their culminating experience, students are expected to present a seminar, either in ENVS 511 or a departmental seminar of a participating department, upon the conclusion of their research.

- ENVS 511 - Seminar: Environmental Science (1) (2 units)
- ENVS 597 - Graduate Research (1–6) (6)
- ENVS 598 - Graduate Directed Study (2)

#### **Both Research and Professional Experience students have to complete the following course:**

Research Experience students will enroll in eight (8) units of ENVS 599 during which time they must prepare a Masters Thesis for submission to their Advisory Committee for approval. They must also pass an oral exam given by their Advisory Committee based upon their Master's thesis research. Research Experience students will complete eighteen (18) units as part of their culminating experience.

Professional Experience students will enroll in four (4) units of ENVS 599: Thesis or Project. Based on their internship experience, Professional students will be required to submit a written report. This report will be approved by their Advisory Committee, which consists of their primary advisor, graduate committee members, and internship advisor(s). They must also pass an oral exam given by their Advisory Committee. The content of the exam will be based on the student's course of study and topics relevant to the internship experience. Professional Experience students will complete fourteen (14) units as part of their culminating experience.

- ENVS 599 - Thesis or Project (1–8)

## Master of Biotechnology (MBt)

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The Master of Biotechnology (MBt) is a professional science master's degree program that will educate the future leaders of the biotechnology industry. The curriculum is offered through the Program in Applied Biotechnology Studies, a consortium of three member CSU campuses, Los Angeles (LA), Fullerton (F), and Pomona (P). The two-year program provides thorough training not only in the science and skills fundamental to the industry, but also in essential business, information literacy, communication, project management, cross-functional teamwork and group leadership skills. The curriculum for the degree includes a series of required core courses to be taken by all members of a class as a cohort. Required courses are distributed among 3 different campuses as described in the table under Requirements for the Degree.

- Applications of Molecular Biology/Biochemistry to Biotechnology
- Applications of Analytical Chemistry to Biotechnology
- Applications of Regulatory Affairs/Clinical Trials/Quality Assurance to Biotechnology
- Applications of Engineering to Biotechnology
- Applications of Business and Medical Devices to Biotechnology
- Applications of Informatics/Biomathematics to Biotechnology

Students will obtain valuable business skills and experience by interning with leading biotechnology and biomedical device companies in the Southern California region, and through their capstone MBt project. This culminating experience includes the completion of a team-based project, an individually written project report, and a team-based presentation of the project findings.

Visit the Program for Applied Biotechnology Studies: Master of Biotechnology (PABS-MBt) web site ([www.calstate.edu/pabs/](http://www.calstate.edu/pabs/)) for more information.

### Admission to the Program

Students should apply directly to the MBt program first, as described fully at <http://www.calstate.edu/pabs/applicants/>. NOTE: Students should apply through CSU mentor only after having been accepted into the program and subsequently directed by the program office to apply to a specific participating campus. The 3 campuses through which the MBt is offered are Cal State LA, Cal Poly Pomona, and CSU Fullerton.

Students assigned to CSULA will be able to complete any one of the six concentrations. Course choices are broadest for the concentrations in Molecular Biology/Biochemistry, Engineering, Business/Law, and Biomathematics. Courses in Regulatory Affairs will be available online.

Applicants must meet the requirements for admission, which include an appropriate (see below) baccalaureate from an accredited institution and a grade-point average of at least 3.0 in the last 90 quarter units or 60 semester units attempted.

*(Note that the grade point average requirement for admission to the MBt program has been set higher than that required for general admission to Cal State Los Angeles for graduate study or for admission to the M.S. degree program in Biological Sciences at Cal State Los Angeles.)*

In addition to university requirements for admission, acceptance into the MBt program is contingent upon the following:

(1) a B.A. or B.S. from an accredited institution with a grade-point average of 3.0 in major courses in one of the following areas:

Biological Science or related area

Engineering or related area

Chemistry or Biochemistry or related area

Business or Information Science or related area

Computer Science or related area

Mathematics or related area

(2) Completion of the application to the MBt program, which is available at the MBt program web site application page (<http://www.calstate.edu/pabs/applicants/>)

(3) Submission to the program office (see <http://www.calstate.edu/pabs/applicants/>) of all supporting documents for the program application, as described at (<http://www.calstate.edu/pabs/applicants/>)

(4) Completed application with any required documentation to the assigned campus through CSU Mentor. This step should be taken by the student

only if he/she has been offered admission to the program following review of materials in items 2 and 3 above.

Because of the rigorous nature of the PABS training program, the applicant's practical experience and career aspirations will be important factors in applicant selection.

Students with academic deficiencies may be considered for conditional acceptance into the program. For conditionally accepted students, the specific conditions and a deadline for their completion are determined at the time of admission; continuation in the MBt program is contingent upon completion of the admission conditions by the specified deadline.

### **Requirements for the Degree (40.6 semester units/60.5 quarter units)**

Students must complete the core and selected elective courses as described in the tables below. Before being awarded the degree, the student must present his/her project work as a written project report (modified for proprietary reasons as necessary) for submission to the university library. In addition, the student must present his/her work (modified for proprietary reasons as necessary) during a PABS symposium.

#### **PABS Master of Biotechnology (MBt) Curriculum**

Note: Academic units are presented below as Semester Units/Quarter Units to accommodate campus programs with varying systems. Fractions occur where semester units are transferred to quarter institutions or vice versa.

### **Year 1**

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#### **First Semester (12/18 Units)**

*Survey of Biotechnology:*

*Part A.* Commercialization of Biotechnology (3/4.5); Workshop in Information Literacy\*\* begins in June, prior to the first semester}

*Part B.* Molecular Biology and Pharmacology/Toxicology (3/4.5)

*Part C.* Mathematical Modeling and Bioinformatics (3/4.5)

*Part D.* Pharmaceuticals and Biomedical Device Technology (3/4.5)

(TWR evening, 3 hr per meeting)

{Homed at Cal State Fullerton}

#### **Second Semester (9.6/14 Units)**

*Biotech Skills I* (3.3/5): Applications Training Modules (MWR afternoon to evening)

{Homed at CSULA in winter quarter}

*Biotech Skills II* (1.3/2): Applications Training Module on Medical Devices

{Homed at Cal Poly Pomona in spring quarter}

*Clinical Trials/Regulatory Affairs* (2/3)

{Homed at Cal Poly Pomona in spring quarter} (F afternoon)

Project Management course (3/4) MGMT 554, (Homed at Cal State Los Angeles in Winter Quarter)

(Selection of research project topic and committee)

#### **Summer - Applied Biotechnology Internship (1/2 unit)**

### **Year 2**

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#### **Third Semester (9-12/12.5-16.5 Units)**

*Biotech Skills III* (3/4.5): Applications Training Modules

{Homed at Cal Poly Pomona} (F/S 4.5 hr per meeting)

*Applied Masters' Research Project* (3/4)#

{Home campus}

Course in *Concentration* (3/4-6/8)\*

{Home campus}

#### **Fourth Semester (6-9/9-13 Units)**

*Applied Masters' Research Project* (2/3)#

{Home campus}

*Writing & Presentation of MS Project* (1/2)#

Courses in *Concentration* (3/4 - 6/8)\*

{Home campus}

# A total of 6 Semester/ 9 Quarter Units will count toward degree.

\* A minimum total of 3 courses and 9 Semester/minimum total 3 courses and 12 Quarter Units.

\*\*To be offered at Cal State Fullerton and coordinated by Information Literacy specialist from CSULA, in collaboration with librarians from other campuses.

## **PABS Master of Biotechnology (MBt) Curriculum**

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Note: Students within a specialization must have completed prerequisites for any elective courses chosen for their concentration or must have obtained permission from the instructor to enroll. Permission from the instructor does not alter the standards for achievement within the class.

### **Applications of Molecular Biology/Biochemistry to Biotechnology**

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- BIOL 412 - Human Genetics (4)
- BIOL 413 - Molecular Diagnostics (4)
- BIOL 416 - Molecular Genetics (4)
- BIOL 417 - Gene Manipulation (4)
- BIOL 432 - Fundamentals of Toxicology (4)
- BIOL 444 - Drug Discovery and Development (4) (also listed as CHEM 444)
- BIOL 448 - Molecular Biology of the Brain (4)
- BIOL 473 - Molecular Ecology (4)
- MICR 401 - General Virology (3)
- MICR 430 - Bacterial Physiology (3)
- MICR 450 - Innate Immunity (4)
- CHEM 434 - Bioinformatics and Computational Biology (4) (4)
- CHEM 507 - Protein Structure (4)
- CHEM 508 - Transcriptional Control of Gene Expression (4)
- CHEM 509 - Signal Transduction (4)

### **Applications of Analytical Chemistry to Biotechnology**

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- CHEM 425 - Polymer Chemistry (4)
- CHEM 438 - Bioinorganic and Bioorganic Chemistry (4)
- CHEM 462† - Instrumental Analysis (6)
- CHEM 463† - Biomedical Microanalysis (4)
- BIOL 408 - Experimental Design and Advanced Biometry (4)

### **Applications of Regulatory Affairs/Quality Assurance to Biotechnology**

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Available via online courses originating at Dominguez Hills. <http://www.csudh.edu/msqa/>

### **Applications of Engineering to Biotechnology**

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- CS 437 - Software Engineering (5)
- CS 460 - Artificial Intelligence (4)
- EE 422 - Digital Signal Processing (4)
- EE 426 - Digital Image Processing (4)
- EE 428 - Digital Signal Processing Laboratory (1)
- EE 436 - Analog Integrated Circuits (4)
- EE 439 - Digital Integrated Circuits (4)
- EE 445 - Microprocessor Interface Design (4)
- EE 413 - Systems Engineering (4)
- EE 481 - Introduction to Robotics (4) (also listed as ME 481)
- EE 513 - System Analysis and Design (4)
- ME 402 - Advanced Mechanics of Materials (4)
- ME 406 - Heat Transfer II (4)
- ME 408 - Fluid Mechanics II (4)
- ME 409 - Mechanical Engineering Analysis (4)
- ME 503 - Design of Mechanical Systems and Products (4)
- TECH 462 - Digital Manufacturing (3)
- TECH 466 - Computer-Aided Manufacturing (3)
- TECH 467 - Emerging Manufacturing Technologies (3)

### **Applications of Business to Biotechnology**

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- ACCT 500 - Financial and Managerial Accounting (4)
- MKT 500 - Marketing Principles and Concepts (4)
- CIS 500 - Information Systems for Management (4)
- BUS 511 - Managerial Skills and Business Ethics (4)
- BUS 512A - Financial Reporting, Control, Management and Markets I (4)
- BUS 512B - Financial Reporting, Control, Management and Markets II (4)
- BUS 514A - Managing Business Processes I (4)
- BUS 514B - Managing Business Processes II (4)
- MGMT 468 - Small Business Management (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 473 - Strategic Human Resource Management (4)
- MGMT 566 - Seminar: New Venture Opportunity Identification and Evaluation (4)
- MGMT 588 - Seminar: New Venture Management (4)
- ECON 491 - Data Analysis, Reporting and Presentation (4)

### **Applications of Informatics/Biomathematics to Biotechnology**

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- BIOL 408 - Experimental Design and Advanced Biometry (4)
- CHEM 434 - Bioinformatics and Computational Biology (4) (4)
- CHEM 507 - Protein Structure (4)
- CS 420 - Web Applications Architecture (4 units)
- CS 422 - Principles of Data Base Systems (4)
- CS 450 - Foundations of Computer Graphics (5)
- CS 451 - Multimedia Software Systems (4)
- CS 460 - Artificial Intelligence (4)
- CS 461 - Machine Learning (4)
- CS 486 - Computability and Intractability (4)
- CS 512 - Design and Analysis of Algorithms (4)
- CS 520 - Web Programming (4)
- CS 522 - Advanced Database Systems (4)
- CS 550 - Advanced Computer Graphics (4)
- CIS 543 - Data Base Systems (4)
- CIS 561 - Design of an E-Commerce Site (4)
- CIS 583 - Information Systems Consulting (4)
- CIS 586 - Information Systems Project and Change Management (4)
- MATH 470 - Numerical Analysis I (4)
- MATH 472 - Linear Programming (4)
- MATH 474 - Theory of Probability (4)
- MATH 475 - Introduction to Mathematical Statistics (4)
- MATH 484 - Graph Theory (4)
- MATH 521 - Mathematical Modeling (4)
- MATH 584 - Advanced Probability Theory (4)

## Graduate Certificate Program in Biotechnology



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This post-baccalaureate credit certificate program provides intensive theoretical and laboratory training in the techniques and application of genetic engineering and related technologies. The program is designed to prepare students for employment in industrial or academic research positions or for advanced study in molecular biology. Courses taken to fulfill certificate requirements may also be applied toward the master's degree in biology.

The certificate program requires completion of a minimum of 26 units, taken in postbaccalaureate or graduate standing, of which 19 are in required courses and seven or more are in electives. Refer to General Graduate and Postbaccalaureate Information for general information governing all certificate programs.

### Prerequisites for Admission to the Program:

Admission, in classified graduate standing, to the Department of Biological Sciences or the Department of Chemistry and Biochemistry; Completion with a B (3.0) grade point average or higher, of the following courses or equivalents:

- BIOL 380 - Cell Biology (4)  
**or**
- MICR 340 - Microbial Genetics (3)
- CHEM 431A - Biochemistry (3)
- CHEM 431B - Biochemistry (3)
- CHEM 431C - Biochemistry (3)
- CHEM 432A† - Biochemistry Laboratory (2) (**recommended**)
- CHEM 432B† - Biochemistry Laboratory (2) (**recommended**)

### Note:

As space is available, students who have not completed these prerequisites may be admitted to a core course (see below) with the consent of the instructor, but award of the certificate is contingent upon completion of all prerequisites for the program. Students who have had neither a laboratory course in nor employment experience with sterile microbiological techniques must complete MICR 202 (*Microbiology Laboratory for Health-Related Sciences—2 units*) during their first quarter in the certificate program.

### Requirements for the Certificate (minimum 26 units)

#### Required Core (19 units)

- BIOL 417 - Gene Manipulation (4)
- BIOL 517 - Seminar: Gene Manipulation (3)
- BIOL 519 - Genetic Engineering Laboratory (8)
- BIOL 595 - Individual Research in Gene Manipulation (4)

#### Electives (minimum 7 units)

Select from following; include no more than 6 units in seminars.

- BIOL 413 - Molecular Diagnostics (4)
- BIOL 416 - Molecular Genetics (4)
- BIOL 437 - Advanced Cell Physiology (4)
- BIOL 518 - Biotechnology Skills Laboratory I (5)
- CHEM 432A† - Biochemistry Laboratory (2)
- CHEM 432B† - Biochemistry Laboratory (2)
- MICR 401 - General Virology (3)
- MICR 430 - Bacterial Physiology (3)
- MICR 433 - Bacterial Physiology Laboratory (2)

### U.S. Department of Education Gainful Employment Disclosure

**Program:** Biotechnology

**Occupations that this certificate program prepares students to enter:**

-Clinical Laboratory Technologists and Technicians; SOC Code 29-2010;

[www.onetonline.org/link/summary/29-2011.00](http://www.onetonline.org/link/summary/29-2011.00)

-Medical and Clinical Laboratory Technologists; SOC Code 29-2011;  
[www.onetonline.org/link/summary/29-2011.00](http://www.onetonline.org/link/summary/29-2011.00)

-Animal Scientists; SOC Code 19-1011;  
[www.onetonline.org/link/summary/19-1011.00](http://www.onetonline.org/link/summary/19-1011.00)

-Food Scientists and Technologists; SOC Code 19-1012;  
[www.onetonline.org/link/summary/19-1012.00](http://www.onetonline.org/link/summary/19-1012.00)

-Soil and Plant Scientists; SOC Code 19-1013;  
[www.onetonline.org/link/summary/19-1013.00](http://www.onetonline.org/link/summary/19-1013.00)

-Biological Scientists; SOC Code 19-1020;  
[www.onetonline.org/link/summary/19-1020.01](http://www.onetonline.org/link/summary/19-1020.01)

-Biochemists and Biophysicists; SOC Code 19-1021;  
[www.onetonline.org/link/summary/19-1021.00](http://www.onetonline.org/link/summary/19-1021.00)

-Microbiologists; SOC Code 19-1022;  
[www.onetonline.org/link/summary/19-1022.00](http://www.onetonline.org/link/summary/19-1022.00)

-Life Scientists, All Other; SOC Code 19-1099;  
[www.onetonline.org/link/summary/19-1099.00](http://www.onetonline.org/link/summary/19-1099.00)

-Chemists and Materials Scientists; SOC Code 19-2030;  
[www.onetonline.org/find/quick?s=19-2030](http://www.onetonline.org/find/quick?s=19-2030)

-Agricultural and Food Science Technicians; SOC Code 19-4011;  
[www.onetonline.org/link/summary/19-4011.00](http://www.onetonline.org/link/summary/19-4011.00)

-Biological Technicians; SOC Code 19-4021;  
[www.onetonline.org/link/summary/19-4021.00](http://www.onetonline.org/link/summary/19-4021.00)

-Chemical Technicians; SOC Code 19-4031;  
[www.onetonline.org/link/summary/19-4031.00](http://www.onetonline.org/link/summary/19-4031.00)

-Miscellaneous Life, Physical, and Social Science Technicians; SOC Code 19-4099;  
[www.onetonline.org/link/summary/19-4099.00](http://www.onetonline.org/link/summary/19-4099.00)

-Forensic Science Technicians; SOC Code 19-4092;  
[www.onetonline.org/link/summary/19-4092.00](http://www.onetonline.org/link/summary/19-4092.00)

-Molecular and Cellular Biologists; SOC Code 19-1029.02;  
[www.onetonline.org/link/summary/19-1029.02](http://www.onetonline.org/link/summary/19-1029.02)

-Geneticists; SOC Code 19-1029.03;  
[www.onetonline.org/link/summary/19-1029.03](http://www.onetonline.org/link/summary/19-1029.03)

-Chemists; SOC Code 19-2031;  
[www.onetonline.org/link/summary/19-2031.00](http://www.onetonline.org/link/summary/19-2031.00)

-Medical Scientists; SOC Code 19-1042;  
[www.onetonline.org/link/summary/19-1042.00](http://www.onetonline.org/link/summary/19-1042.00)

**On-time graduation rate for students completing this program:**

No completions by non-degree seeking students in 2009-10

**Costs of Attendance for the entire normal duration (four quarters, at two courses per quarter) of this certificate program:**

Tuition and Fees: \$7,435

Books and Supplies: \$2,184

**Median loan debt incurred by students who completed this certificate program:**

N/A

**The job placement rate for students completing the program:**

Data not available.

# Post-Baccalaureate Certificate Program for Pre-Health Professionals



This post-baccalaureate credit certificate program provides an opportunity for pre-health career students to strengthen their academic background prior to application for admission to a health professional school. The program is designed to make postbaccalaureate students more competitive for admission through a combination of coursework, standardized test preparation, and health science activities. A student may not apply to the CSULA Master of Science Degree Program in Biology prior to the completion of the certificate program.

Students may begin the certificate program only during the Fall Quarter of an academic year. Completed applications must be received by the Department no later than August 15.

The certificate program requires completion of a minimum of 24 units taken in postbaccalaureate standing. A maximum of 6 units of previously completed postbaccalaureate coursework from another institution may be used toward completion of the certificate program. Refer to the Graduate Study chapter of the University catalog for general information governing all certificate programs.

## Requirements for Admission to the Program

- Acceptance by the University to postbaccalaureate status.
- Completion of a certificate program application form and acceptance by the selection committee. A limited number of students will be accepted into the program each academic year.
- An undergraduate degree in a biological science from an accredited college or university, or an undergraduate degree from an accredited college or university and completion of pre-health professional required science courses with lab (two years of biology, two years of chemistry, one year of math, one year of physics).
- Minimum 3.0 grade point average in all biology, chemistry, mathematics, and physics courses.
- Establishment of a student file in the Cal State LA Health Careers Advisement Office, King Hall D1044.
- Completion of BIOL 340 (General Genetics) and BIOL 380 (Cell Biology), or their equivalent.

## Requirements for the Certificate

- A minimum GPA of 3.00 is required in all course work.
- Completion of a minimum of 24 units from the following list of courses.
  - BIOL 416 - Molecular Genetics (4)
  - BIOL 417 - Gene Manipulation (4)
  - BIOL 424 - General Embryology (4)
  - BIOL 429 - Animal Histology (5)
  - BIOL 433 - Animal Physiology I (4)
  - BIOL 434 - Animal Physiology II (4)
  - BIOL 435 - Neurobiology: Neuroanatomy (4)
  - BIOL 436 - Neurobiology: Neurophysiology (4)
  - BIOL 454L - Special Topics in Biology (1-4)
  - BIOL 454P - Special Topics in Biology (1-4)
  - MICR 401 - General Virology (3)
  - MICR 410 - Hematology (4)
  - MICR 430 - Bacterial Physiology (3)
  - MICR 433 - Bacterial Physiology Laboratory (2)
  - CHEM 431A - Biochemistry (3)
  - CHEM 431B - Biochemistry (3)
  - CHEM 431C - Biochemistry (3)
- Completion of one or more of the following courses is strongly recommended to enhance a professional school application.
  - ANTH 444 - Medical Anthropology (4)
  - BIOL 300 - Biometrics (4)
  - ENGL 308 - Expository Writing (4)
  - PHIL 429 - Bioethics (4)
  - SOC 425 - Medical Sociology (4)
- Participation in the Cal State LA MCAT Review Course.





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## Biological Sciences Credential Program

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The Department of Biological Sciences participates in the interdisciplinary Bachelor of Science degree program in Natural Science, which satisfies the subject matter requirements for the Single Subject credential in Science. That program is described later in this chapter of the catalog. Students should consult advisers in the department and in the Charter College of Education. Refer to the undergraduate Charter College of Education section for regulations governing all teaching credential programs.

### **Supplementary Authorization for Single Subject Teaching Credential (32 units)**

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Holders of a Single Subject teaching credential, issued by the state of California in a subject other than Science, may supplement that credential with an authorization in Biological Sciences at any grade level through grade 12 or in classes organized primarily for adults by completing the following program with a grade of C or higher in each course. At least one of the courses must include a laboratory component. For other requirements governing issuance of this authorization, consult the Charter College of Education.

Complete or demonstrate proficiency in each of the following courses (32 units):

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)

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## Single Subject Credential in Science

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Holders of a Single Subject teaching credential, issued by the state of California in a subject other than Science, may supplement that credential with an authorization in Biological Sciences at any grade level through grade 12 or in classes organized primarily for adults by completing the following program with a grade of C or higher in each course. At least one of the courses must include a laboratory component. For other requirements governing issuance of this authorization, consult the Charter College of Education.

Complete or demonstrate proficiency in each of the following courses (32 units):

### Supplementary Authorization for Single Subject Teaching Credential (32 units)

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- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- BIOL 200A - Human Anatomy and Physiology I (5)
- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)

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## Department of Chemistry and Biochemistry

### DEPARTMENT OFFICE

Physical Sciences 616

Phone: (323) 343-2300

E-mail: [chmbioc@calstatela.edu](mailto:chmbioc@calstatela.edu)

Website: [www.calstatela.edu/dept/chem/index.htm](http://www.calstatela.edu/dept/chem/index.htm)

Consult the departmental web page at [www.calstatela.edu/dept/chem/index.htm](http://www.calstatela.edu/dept/chem/index.htm) for the e-mail addresses and telephone numbers of the current department chair, undergraduate adviser and graduate adviser.

**Undergraduate Studies** Chemistry and biochemistry provide understanding of molecular structure and reactivity and thus are central for the study of physical and biological phenomena. The Department of Chemistry and Biochemistry offers three undergraduate degrees: the Bachelor of Science degree in Chemistry, the Bachelor of Science degree in Biochemistry and the Bachelor of Arts degree in Chemistry. The department participates in the B.S. in Natural Sciences degree program through its Chemistry Option. The department also offers a minor in Bioinformatics and Computational Biology.

Students who earn the B.S. degree in chemistry or biochemistry are prepared to enter careers in chemical, material science, pharmaceutical, biochemical and molecular life sciences industries; careers in government and academic laboratories; and to pursue advanced education in graduate and professional schools. The B.A. in Chemistry provides a liberal education with a major in chemistry and is designed to suit the needs of those who plan to go into non-laboratory careers where a chemistry background is useful. Students pursuing a B.S. degree in Biochemistry or a B.A. degree in Chemistry may qualify for entrance into health professional schools such as medical, dental, pharmacy, etc. by selecting appropriate elective courses within their program while those students pursuing a B.S. degree in Chemistry may qualify for entrance into these professional schools by taking several additional courses. The Chemistry Option in the B.S. in Natural Science is designed for students who plan to be high school Chemistry teachers. Undergraduates in all of these degree programs are encouraged to broaden their educational experience by participating in a research project under the direction of one of the department's faculty members. The department has a strong tradition of involving undergraduates in research and these students are often provided financial support through research grants.

**Bioinformatics and Computational Biology (BINF minor).** The BINF minor provides a deep understanding of bioinformatics software programs and databases that are utilized to make discoveries in molecular life sciences. The BINF minor teaches students how to create software programs that analyze molecular life science data. Students who earn a BINF minor are prepared for fields for more advanced studies in bioinformatics, systems biology, genomics, and computational biology. Pharmaceutical and biotechnology industries offer career opportunities for those with advanced BINF training. The BINF minor provides preparation for students to pursue graduate and professional schools.

**Graduate Studies** The Master of Science degree programs prepare students for supervisory positions in industry, teaching positions in community colleges, or more advanced study toward the Ph.D. degree in chemistry, biochemistry, or molecular life sciences. The M.S. Chemistry degree program includes three options: the thesis option, the Biochemistry option and the Comprehensive Examination option. The thesis option and the Biochemistry option provide extensive research training, and are recommended for those students who wish to pursue a career as a laboratory scientist or to continue their education in a doctoral program. The Comprehensive Examination option is intended for persons in industry or government who need to develop a more current understanding of chemistry and for other specific areas of chemical application in which an advanced degree is beneficial. The Comprehensive Examination option is not recommended for students who wish to continue to a doctoral program in chemistry, nor for those who intend to upgrade their laboratory research capabilities significantly.

## The Faculty

**Professors:** Yong Ba, Krishna Foster, Raymond E. Garcia, Frank A. Gomez, Scott D. Grover (Chair), Carlos G. Gutiérrez, Jamil Momand, Scott L. Nickolaisen, Matthias Selke, Wayne R. Tikkanen, Linda M. Tunstad, Robert L. Vellanoweth, Feimeng Zhou.

**Associate Professors:** Alison McCurdy, James Rudd.

**Assistant Professors:** Xin Wen.

**Emeriti:** Costello L. Brown, Joseph Casanova, Jr., Douglas L. Currell, Phoebe K. Dea, Lloyd N. Ferguson, Anthony Fratiello, Harold Goldwhite, Richard T. Keys, Hendrik Keyzer, Anthony Moyer, Thomas P. Onak, Donald R. Paulson, Stanley H. Pine.

## Undergraduate Degrees

Students who expect to earn a bachelor's degree in Chemistry or Biochemistry in the minimum time should include courses in chemistry, physics, geometry, trigonometry, and algebra (two years) in their high school preparation.

It should also be noted that the chemistry programs are tightly structured and that students should begin calculus and physics sequences at the earliest possible time in order to complete the degree in four years.

For Chemistry and Biochemistry majors, only courses with a grade of C- or higher in the major program are credited toward the degree. Successful completion of the major requires a minimum C (2.0) overall grade point average in required courses and a minimum C (2.0) grade point average in upper division required courses and electives. Students who have taken community college organic chemistry have the option of earning credit by examination in CHEM 291A, 291B, and/or 301.

## Departmental Honors Program

A departmental honors program in Chemistry is offered for students who possess a minimum B (3.0) grade point average in all college work and in chemistry, averaged separately, and who are recommended in writing by two members of the faculty.

The program is designed to encourage independent study and to provide an introduction to research. The traditional curriculum is enriched by the selection of electives that provide depth in areas outside the field of chemistry.

Honor students are assisted by an honors adviser in planning their programs. Enrollment in CHEM 196 and 396 and a written thesis are required parts of the program. Diplomas and transcripts of honors program graduates are designated: "*Graduated with Departmental Honors in Chemistry.*"

## The Credential Program

The Department of Chemistry and Biochemistry participates in the interdisciplinary Bachelor of Science degree program in Natural Science, which has been approved for the Single Subject credential in Science. The Chemistry Option in this program is described in the section of the catalog dealing with the Natural Science degree. In addition, holders of a Single Subject credential issued by the state of California may complete the supplementary authorization program described below.

## Programs for this Department:

### Undergraduate Major

- Biochemistry, B.S.
- Chemistry, B.A.
- Chemistry, B.S.

### Minor

- Minor in Bioinformatics

### Graduate Major

- Chemistry, M.S.

### Credential

- Chemistry and Biochemistry Credential Program
- Chemistry Credential Program

## Biochemistry, B.S.

The Bachelor of Science degree in Biochemistry is designed to fit the needs of those who plan to complete their formal education with the bachelor's degree and obtain positions in scientific and industrial laboratories, attend health professional schools, or do graduate study in biochemistry or molecular life sciences.

Of the 188 units required for the Bachelor of Science degree in Biochemistry, the major requires 122 while the General Education program and other university requirements total 66. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (122 units)

#### Lower Division Required Courses (74 units)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 280 - Introduction to Biomolecules (3)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)

#### Upper Division Required Courses (36 units)

- CHEM 301 - Organic Chemistry (3)
- CHEM 318 - Introduction to Inorganic Chemistry (3)
- CHEM 360 - Writing for Chemists (4)
- CHEM 401 - Physical Chemistry I (4)
- CHEM 402 - Physical Chemistry II (4)
- CHEM 431A - Biochemistry (3)
- CHEM 431B - Biochemistry (3)
- CHEM 431C - Biochemistry (3)
- CHEM 432A† - Biochemistry Laboratory (2)
- CHEM 432B† - Biochemistry Laboratory (2)

#### Upper Division Electives (12 units)

Choose one course from each area. The total number of these elective units must be at least 12.

*Please note that some of the below electives have prerequisites. Students should consult their adviser.*

##### Chemistry

- CHEM 403 - Physical Chemistry III (4)
- CHEM 412A† - Physical Chemistry Laboratory (2)
- CHEM 412B† - Physical Chemistry Laboratory (2)
- CHEM 418 - Inorganic Chemistry (3)
- CHEM 420 - Advanced Organic Chemistry I (4)
- CHEM 425 - Polymer Chemistry (4)
- CHEM 434 - Bioinformatics and Computational Biology (4) (4)
- CHEM 438 - Bioinorganic and Bioorganic Chemistry (4)
- CHEM 444 - Drug Discovery and Development (4)
- CHEM 462† - Instrumental Analysis (6)
- CHEM 499 - Undergraduate Directed Study (1–5)

## Development/Physiology

- BIOL 424 - General Embryology (4)
- BIOL 430 - Plant Physiology I (5)
- BIOL 431 - Plant Physiology II (4)
- BIOL 432 - Fundamentals of Toxicology (4)
- BIOL 433 - Animal Physiology I (4)
- BIOL 434 - Animal Physiology II (4)
- BIOL 436 - Neurobiology: Neurophysiology (4)
- BIOL 437 - Advanced Cell Physiology (4)
- BIOL 439 - Endocrinology (4 units)
- BIOL 448 - Molecular Biology of the Brain (4)
- BIOL 449 - Neurobiology of Development (4)
- BIOL 476 - Physiological Animal Ecology (4)
- MICR 300 - General Microbiology (5)
- MICR 301 - General Medical Microbiology (4)
- MICR 302 - Pathogenic Bacteriology (5)
- MICR 304 - Immunology and Serology (5)
- MICR 331 - Structure and Function of Bacteria (3)
- MICR 401 - General Virology (3)
- MICR 430 - Bacterial Physiology (3)
- MICR 433 - Bacterial Physiology Laboratory (2)

## Genetics/Biometrics

- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 413 - Molecular Diagnostics (4)
- BIOL 415 - Population Genetics (4)
- BIOL 416 - Molecular Genetics (4)
- BIOL 417 - Gene Manipulation (4)
- BIOL 418 - Evolution (4)
- BIOL 473 - Molecular Ecology (4)
- MICR 340 - Microbial Genetics (3)
- BINF 401 - Machine Learning Applications in Molecular Life Sciences (2)
- BINF 402 - Phylogenomics (2)
- BINF 403 - Process Estimation and Detection in Cellular Biology (2)
- BINF 450 - Advanced Topics in Bioinformatics and Computational Biology (2)

## Chemistry, B.A.

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The Bachelor of Arts degree, which requires 180 units, is designed for those who desire a liberal arts education with a major in Chemistry. This degree allows students to include a minor in another science, business, economics, or humanities within their degree program. The degree is suitable for students planning careers in government or industry where a physical science background is desirable. It is also appropriate for some preprofessional health science majors but is not recommended for students planning graduate study in a physical science. Students should note that this degree fulfills only 26 of the 60 upper division units required by the University so that students must take 22 more upper division units as well as the 12 required by the upper division GE Theme.

The total number of units required for the Bachelor of Arts degree in Chemistry is 180 units, of which 80 or 83 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (80 or 83 units)

#### Lower Division Required Courses (54 or 57 units)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
  
- PHYS 211 - Mechanics (5) **and**
- PHYS 212 - Waves, Optics and Thermodynamics (5) **and**
- PHYS 213 - Electricity and Magnetism (5)
- **or**
- PHYS 101 - Physics (4) **and**
- PHYS 102 - Physics (4) **and**
- PHYS 103 - Physics (4)

#### Upper Division Required Courses (19 units)

- CHEM 301 - Organic Chemistry (3)
- CHEM 360 - Writing for Chemists (4)
- CHEM 411 - Fundamentals of Physical Chemistry (4)
- CHEM 435 - Introduction to Biochemistry (4)
  
- CHEM 463† - Biomedical Microanalysis (4)
- **or**
- CHEM 467 - Instrumental Methods for Environmental Analysis (4)

#### Electives in Chemistry (7 units)

May include a maximum of 3 units of CHEM 499.

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## Chemistry, B.S.

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The Bachelor of Science degree in Chemistry is accredited by the American Chemical Society. It is designed to fit the needs of those who either plan to complete their formal education with the bachelor's degree and obtain positions in scientific or industrial laboratories or do graduate study in chemistry. Of the 186 units required for the Bachelor of Science degree in Chemistry, the major requires 117 units while the General Education program and other university requirements total 70 units.

The total number of units required for the Bachelor of Science degree in Chemistry is 187 units, of which 117 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (117 units)

#### Lower Division Required Courses (69 units)

*\*\*Upper division credit.*

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
  
- MATH 215 - Differential Equations (4)  
or
- \*\* MATH 401 - Differential Equations (4)
  
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)

#### Upper Division Required Courses (46 units)

- CHEM 301 - Organic Chemistry (3)
- CHEM 318 - Introduction to Inorganic Chemistry (3)
- CHEM 327† - Advanced Synthetic Methods (2)
- CHEM 360 - Writing for Chemists (4)
- CHEM 401 - Physical Chemistry I (4)
- CHEM 402 - Physical Chemistry II (4)
- CHEM 403 - Physical Chemistry III (4)
- CHEM 412A† - Physical Chemistry Laboratory (2)
- CHEM 412B† - Physical Chemistry Laboratory (2)
- CHEM 418 - Inorganic Chemistry (3)
- CHEM 435 - Introduction to Biochemistry (4)
- CHEM 462† - Instrumental Analysis (6)

#### Upper Division Electives in Chemistry (7 units)

Select 7 upper division units with adviser approval. May include a maximum of 3 units of CHEM 499.

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## Minor in Bioinformatics and Computational Biology (BINF)

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The Bioinformatics and Computational Biology (BINF) minor is available to students in all majors, but it is intended especially for those who major in biology, biochemistry, computer science, computer information systems, electrical engineering, mathematics, microbiology and physics. The BINF minor establishes a strong foundation in software programs and databases commonly used by bioinformaticists and computational biologists. The BINF minor will train students to design and develop algorithms and computer programs that analyze biological data.

A total of 36 units is required. However, 24 units out of those 36 consist of courses that are part of already existing and well-established programs such as Computer Science (CS courses), Biology (BIOL courses), Mathematics (MATH courses) and Economics (ECON courses). Consequently, students majoring in these, and other programs, will only need to take the courses that are in their own respect complementary. For example, a student majoring in CS will need to take only 10 units of BIOL courses plus the 12 units of BINF courses totaling 22 units (see the table below). Similarly, a student majoring in BIOL will need to take only 10 units of CS courses plus the 12 units of BINF courses also totaling 22 units. As for the BINF courses, 4 units are concentrated in a required course, whereas 8 units are distributed in elective courses so as to add flexibility to the minor and accommodate students with very specific interests and backgrounds.

Successful completion requires a 2.0 overall grade point average in the BINF minor, good academic standing, and completion of all minor courses by the time students earn their baccalaureate.

### Requirements for the Minor (36 units)

#### Lower Division Required Courses (20 units)

- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- CS 201 - Introduction to Programming (5)
- CS 202 - Introduction to Object Oriented Programming (5)

#### Probability or Statistics Required Course (4 units)

(Select 4 units from the following)

- MATH 270 - Introduction to Probability and Statistics (4)
- MATH 274 - Introduction to Statistics (4)
- BIOL 300 - Biometrics (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- MATH 474 - Theory of Probability (4)

#### Upper Division Required Course (4 units)

- BINF 400 - Bioinformatics and Computational Biology (4)

#### Upper Division Electives (8 units)

With advisor approval, statistics courses from other disciplines may fulfill the probability or statistics course requirement. With advisor approval, students may select other available upper division courses in bioinformatics and computational biology to substitute for one or more electives listed below.

- BINF 401 - Machine Learning Applications in Molecular Life Sciences (2)
- BINF 402 - Phylogenomics (2)
- BINF 403 - Process Estimation and Detection in Cellular Biology (2)
- BINF 450 - Advanced Topics in Bioinformatics and Computational Biology (2)

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# Chemistry, M.S.

## Admission to the Program

Admission to the program requires a baccalaureate in chemistry or biochemistry from an accredited college or university or a baccalaureate in a related field with a strong background in chemistry. Applicants interested in the biochemistry option should have a preparation equivalent to that required for the Cal State L.A. baccalaureate in biochemistry, which includes, among other requirements, 15 units of introductory biology and 8 units of upper division biology or microbiology.

All applicants are required to have a 2.5 grade point average in their last 90 quarter units attempted. Applications for any quarter must be submitted early in the previous quarter. Students must apply to both the department and the University.

## Placement Examinations

All new graduate students must take placement examinations administered by the Department of Chemistry and Biochemistry at first registration. The department offers five examinations: analytical, biochemistry, inorganic, organic, and physical chemistry. Entering students must take three examinations. The time and location of the examinations will be announced by the department.

Prior to taking the examinations, students must declare a specialization in one of the following: analytical, biochemistry, chemical education, inorganic, organic, or physical. Students entering the program must take the placement examination appropriate to their specialization and two other examinations of their choice. Students in Chemical Education must declare a content specialization from among analytical, biochemistry, inorganic, organic, and physical for their placement examination. Students must pass the examination in their specialization. The other two examinations will be used primarily for advisement purposes.

If students do not take or pass an examination, it is presumed that they are not proficient in that particular area of specialization, and they may be required to take the complete undergraduate sequence for that area as corequisite or qualifying courses. Students who do not take or do not pass an examination may, upon approval by the principal graduate adviser, be allowed to retake the examination the next time it is given.

### Requirements for the Degree (46 units)

A total of 46 units are required for the degree. Both the thesis option and the Biochemistry option consist of required courses, electives, research (590, 597) and thesis (599), with a minimum of 23 units in 500-level courses, including 590, 597 and 599.

The comprehensive examination option in chemistry consists of required courses, including advanced laboratory courses and elective courses, with a minimum of 23 units in 500-level courses. *Students must comply with college and departmental requirements.*

Each student's program is designed with the assistance of a faculty adviser and the student's advisory committee.

### Additional Requirements

Thesis option and Biochemistry option candidates must meet the following requirements:

- Submit a thesis, which must be approved by the Department of Chemistry and Biochemistry as a part of the program.
- Pass a final oral examination, primarily about the thesis, administered by the department.

Comprehensive examination option candidates must pass written comprehensive examinations on the subjects of the required courses.

### Options

- Thesis Option
- Biochemistry Option
- Comprehensive Examination Option

### Thesis Option (46 units)

#### Basic Requirements (5 units)

Courses required of all students:

- CHEM 500 - Presentation in the Chemical and Biochemical Sciences (2)
- CHEM 580 - Graduate Seminar: Chemistry (1) (3)

### **Core and Elective Requirements (26 units minimum)**

A minimum of 26 units of adviser-approved coursework is required. At least twelve of these units must be core courses in the student's specialization. Other 400 or higher level courses can be used as core courses on approval of the adviser and the department graduate adviser.

Core courses (12 units minimum)

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#### **Analytical and Physical Specialization**

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- CHEM 415 - Introduction to Atmospheric Chemistry (4)
- CHEM 462† - Instrumental Analysis (6)
- CHEM 501 - Quantum Chemistry (4)

#### **Biochemistry Specialization**

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- CHEM 434 - Bioinformatics and Computational Biology (4) (4)
- CHEM 506 - Biochemistry of Plasma Lipoproteins and Atherosclerosis (4)
- CHEM 507 - Protein Structure (4)
- CHEM 508 - Transcriptional Control of Gene Expression (4)
- CHEM 509 - Signal Transduction (4)

#### **Inorganic and Organic Specialization**

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- CHEM 420 - Advanced Organic Chemistry I (4)
- CHEM 523 - Synthetic Organic Chemistry: Analysis, Design, and Methodology (4)
- CHEM 425 - Polymer Chemistry (4)
- CHEM 438 - Bioinorganic and Bioorganic Chemistry (4)
  
- CHEM 444 - Drug Discovery and Development (4) **also listed as**
- BIOL 444 - Drug Discovery and Development (4)
  
- CHEM 504 - Advanced Inorganic Chemistry (4)

#### **Chemical Education Specialization**

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Students in Chemical Education must choose from the above list a content specialization they will follow for their core courses.

Electives (14 units)

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Eight elective units must be from courses not in the list of core courses for the student's specialization. Six additional units may be taken from either within or outside the area of specialization. Elective courses in the chemical education specialization may include but are not limited to CHEM 505 Special Topics in Graduate Chemistry: Chemical Education, EDFN 500 Evaluation of Education Research, and EDSE 428C Processes of Science.

Research and Thesis (15 units)

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- CHEM 590 - Advanced Laboratory (1–2)
- CHEM 597 - Graduate Research (1–4)
- CHEM 599 - Thesis (1–4)

### **Biochemistry Option (46 units)**

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Students in this option must declare upon entrance into the graduate program that they wish to pursue the biochemistry option. They will adhere to all of the requirements for the Biochemistry Specialization in the thesis option.

### **Comprehensive Examination Option (46 units)**

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#### **Basic Requirements (5 units)**

Courses required of all students:

- CHEM 500 - Presentation in the Chemical and Biochemical Sciences (2)
- CHEM 580 - Graduate Seminar: Chemistry (1) (3)

#### **Core and Elective Requirements (30 units minimum)**

A minimum of 30 units of adviser-approved coursework is required. At least twelve of these units must be core courses in the student's specialization. Twelve additional units must be from courses not in the list of core courses for the student's specialization. Six additional units may be taken from either within or outside the area of specialization.

#### Research (11 units)

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- CHEM 590 - Advanced Laboratory (1–2)
- CHEM 597 - Graduate Research (1–4)

#### Comprehensive Examination (0 units)

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Students who select the comprehensive examination (CHEM 596) should expect to take it the quarter they complete all course work on their program and must comply with college and departmental requirements.

- CHEM 596 - Comprehensive Examination (0)

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## Chemistry and Biochemistry Credential Program

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The Department of Chemistry and Biochemistry participates in the interdisciplinary Bachelor of Science degree program in Natural Science, which has been approved for the Single Subject credential in Science. The Chemistry Option in this program is described in the section of the catalog dealing with the Natural Science degree. In addition, holders of a Single Subject credential issued by the state of California may complete the supplementary authorization program described below.

### Supplementary Authorization for Single Subject Teaching Credential (31–33 units)

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Holders of a Single Subject teaching credential issued by the state of California may supplement that credential with an authorization in Chemistry for teaching chemistry at any grade level through grade 12 or in classes organized primarily for adults by completing the following program with a grade of C or higher in each course. At least one of the courses must include a laboratory component. For other requirements governing issuance of this authorization, consult the Charter College of Education.

### Complete or demonstrate proficiency in each of the following courses (31–33 units)

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- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)

#### Select one from the following:

- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 318 - Introduction to Inorganic Chemistry (3)
- CHEM 435 - Introduction to Biochemistry (4)

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## Chemistry Credential Program

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The Department of Chemistry and Biochemistry participates in the interdisciplinary Bachelor of Science degree program in Natural Science, which has been approved for the Single Subject credential in Science. The Chemistry Option in this program is described in the section of the catalog dealing with the Natural Science degree. In addition, holders of a Single Subject credential issued by the state of California may complete the supplementary authorization program described below.

### Supplementary Authorization for Single Subject Teaching Credential (31–33 units)

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Holders of a Single Subject teaching credential issued by the state of California may supplement that credential with an authorization in Chemistry for teaching chemistry at any grade level through grade 12 or in classes organized primarily for adults by completing the following program with a grade of C or higher in each course. At least one of the courses must include a laboratory component. For other requirements governing issuance of this authorization, consult the Charter College of Education.

### Complete or demonstrate proficiency in each of the following courses (31–33 units)

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- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)

**Select one from the following:**

- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 318 - Introduction to Inorganic Chemistry (3)
- CHEM 435 - Introduction to Biochemistry (4)

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## Department of Chicano Studies

### DEPARTMENT OFFICE

King Hall C4069

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E-mail: [chicano@calstatela.edu](mailto:chicano@calstatela.edu)

Website: <http://www.calstatela.edu/academic/chs/index.htm>

Chicano Studies provides an intensive investigation of the largest racial/ethnic group in the United States. The department's approach is multidisciplinary with specific offerings in history, social science, culture, language, psychology, literature, arts, and politics of the Chicana/o and Latina/o communities. The curriculum seeks not only to acquaint students with a breadth of knowledge about Chicanas/os and Latinas/os, but also to expose them to theoretical perspectives specific to this area of study. The program seeks to connect these migrant and diasporic communities with transnational changes and their impact on their places of origins as well as a dialogue with African American, Asian American, and Native American Studies.

Chicano Studies provides preparation appropriate for careers in education, human services, public policy, law, medicine, the business profession, and for graduate study and research.

The vital presence and increasing significance of the Chicano(a) and Latino(a) communities in Los Angeles and Southern California allows unique research opportunities for students of Chicano Studies.

## The Faculty

**Professors:** Francisco E. Balderrama, Roberto Cantú, David Diaz, Michael Soldatenko (chair).

**Associate Professors:** Dionne Espinoza, Ester Hernández, Valerie Talavera-Bustillos.

**Assistant Professors:** Bianca Guzmán.

**Emeriti:** Leonel A. Maldonado, Louis R. Negrete.

The program in Chicano Studies includes a Bachelor of Arts degree in Mexican-American Studies and a minor in Chicano Studies for students who are majoring in other fields. The program also supports two new minors: Central American Studies and Mesoamerican Studies.

## The Credential Program

The Bachelor of Arts degree in Mexican-American Studies with Option II satisfies the subject matter requirements for the Multiple Subject CLAD/BCLAD Teaching Credential. For detailed information about these credentials, consult advisers in the department and in the Charter College of Education. Refer to the Charter College of Education section of this catalog for regulations governing all credential programs.

## Programs for this Department:

### Undergraduate Major

- Mexican-American Studies, B.A.

### Undergraduate Minor

- Central American Studies Minor
  - Chicano Studies Minor
- Mesoamerican Studies Minor

### Graduate Major

- Mexican-American Studies, M.A.

### Credential

- Mexican American Studies Credential Program

## Mexican-American Studies, B.A.

The program in Chicano Studies includes a Bachelor of Arts degree in Mexican-American Studies and three minors for students who are majoring in other fields: Central American Studies, Chicano Studies, and Mesoamerican Studies.

The Bachelor of Arts degree is available in two options. Option I, the General Program, is intended for students interested in a liberal arts education, with special attention in the Chicana/o And Latina/o experience. Option II, The Elementary Subject Matter Teacher Preparation Option, is designed specifically for students interested in teaching in the elementary school by providing them with a broad-based education in multiple subjects that prepares them for the California Subject Examinations for Teachers (CSET).

### Requirements for the Major (68-102 units)

Option I, the General Program, requires a total of 68 units, of which 16 are in lower division and 52 are in upper division courses. Students seeking to combine the study of Chicano studies with elementary subject matter can satisfy both goals by following Option II, The Elementary Subject Matter Teacher Preparation Option. Option II requires completion of 60 units of General Education at the lower division, 12 units at the upper division and 6-8 units of graduation requirements (i.e., ENGL 102 and either the Introduction to Higher Education or Transition to Cal State L.A. course). It also requires 60 units in the major with the remaining 40-42 units as recommended electives for preparation for the CSET examination. Students who pass the CSET exam will have the option of taking other coursework. All options are designed for students to complete the undergraduate degree program simultaneously with requirements for either a California Multiple Subject Teaching or Special Education Internship Credential.

Particular requirements and restrictions apply to candidates for teaching. Therefore, early consultation with advisor is essential. Refer to The charter college of education section in the Academic Programs: College-Based and University-Wide chapter of this catalog for regulations governing all teaching credential programs.

### Options

#### Option I: General Program (68 units)

##### Lower Division Required Courses (8 units)

- CHS 111 - Cultural Diversity and Chicanos (4)
- CHS 280 - Chicanas and Latinas in Contemporary U.S. Society (4)

##### Lower Division Electives (8 units)

Select 8 units from following with adviser approval:

- CHS 110 - Introduction to Pre-Cortesian Cultures of Mexico (4)
- CHS 112 - Cultural Expressions in the Americas (4)
- CHS 115 - Introduction to Chicano Studies (4)
- CHS 201 - Modern Mexican Literature in Translation (4)
- CHS 255 - Diverse Latin American Populations in Southern California (4)

##### Upper Division Required Courses (20 units)

- CHS 355 - Introduction to Principles of Research in Chicano Studies (4)
- CHS 403 - Contemporary Chicana/o Literature (4)
- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 444 - History of the Chicano People in the United States (4)
- CHS 450 - Research on Community Problems (4)

##### Upper Division Electives (32 units)

Community Dimension (Select 16 units from the following)

- CHS 360 - Oral History and the Chicana/o Latina/o Community (4)
- CHS 370 - Environmental Racism (4) **also listed as**
- PH 370 - Environmental Racism (4)



- CHS 404 - The Central American Experience in the US (4) **also listed as**
- LAS 404 - The Central American Experience in the US (4)
- CHS 409 - U.S. Latinos, Culture, and Global Cities (4) **also listed as**
- URBA 409 - U.S. Latinos, Culture, and Global Cities (4)
- CHS 410 - Chicano Psychology (4)
- CHS 430 - Chicano Political Behavior (4)
- CHS 432 - Chicanos and the War on Drugs (4)
- CHS 460 - The Chicano Movement (4) **also listed as**
- HIST 460 - The Chicano Movement (4)
- CHS 470 - Chicano Educational Issues (4)
- CHS 472 - Chicana/o Education: Theory and Research (4)
- CHS 473 - Urban Education and Chicana/o Latina/o Dropouts (4)
- CHS 479 - Latina/o Children and Adolescents (4)
- CHS 480 - Chicana Feminisms and Women's Movements (4)
- CHS 485 - Health and Chicano/Latino Families (4)

Cultural and Historical Dimension (Select 8 units from the following)

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- CHS 311 - Chicano Cultural History (4)
- CHS 312 - Mediterranean and Pre-Columbian Myths in Latin American Literature (4) **also listed as**
- ML 312 - Mediterranean and Pre-Columbian Myths in Latin America Literature (4)
- CHS 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- ENGL 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- PAS 327 - Ethnicity and Emotions in U.S. Film (4)
- CHS 335 - Race and Culture in the Americas (4) **also listed as**
- LAS 335 - Race and Culture in the Americas (4)
- CHS 400 - Literatures of Mesoamerica (4)
- CHS 413 - Chicana and Mexican Women Writers (4) **also listed as**
- WOMN 410 - Chicana and Mexican Women Writers (4) **also listed as**
- ML 410 - Chicana and Mexican Women Writers (4)
- CHS 443 - History of the Chicano People in California (4)
- CHS 445 - History of the Chicano in Los Angeles (4)
- CHS 471 - The History of Chicana/o Education (4)

Transnational and Border Dimension (Select 8 units from the following)

---

- CHS 405 - The Mexican People as Immigrants (4)
- CHS 407 - Exploring Afro-Latino/a Identities (4)
- CHS 408 - Comparative Diaspora Studies (4) **also listed as**
- AAAS 408 - Comparative Diaspora Studies (4) **also listed as**
- PAS 408 - Comparative Diaspora Studies (4)
- CHS 423 - Migration, Identity, and Religion (4) **also listed as**
- RELS 423 - Migration, Identity, and Religion (4)
- CHS 465 - Gender, Sexuality, and Transnational Migration (4) **also listed as**
- LAS 465 - Gender, Sexuality, and Transnational Migration (4) **also listed as**
- WOMN 465 - Gender, Sexuality, and Transnational Migration (4)
- CHS 466A - Colonial Mexico (4) **also listed as**
- HIST 466A - Colonial Mexico (4)
- CHS 466B - Building the Mexican Nation (4) **also listed as**
- HIST 466B - Building the Mexican Nation (4)
- CHS 466C - The Mexican Revolution and its Legacy (4) **also listed as**
- HIST 466C - The Mexican Revolution and its Legacy (4)
- CHS 467 - Modern Mexico and the Chicano People (4)
- CHS 468 - U.S.-Mexico Borderlands (4)
- CHS 482 - Latin American Women's Movements (4) **also listed as**
- LAS 482 - Latin American Women's Movements (4) **also listed as**
- WOMN 482 - Latin American Women's Movements (4)

**Option II, Elementary Subject Matter Teacher Preparation Option (180 units, of which 100-102 units are in the major)**

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Option II prepares prospective teachers for Grades K-8. Since passing the California Subject examinations for teachers (CSET) is a prerequisite for a teaching credential, students in Option II are expected to prepare for and take the three portions of the CSET: multiple

subjects at their earliest convenience and report their results to a Chicano Studies advisor. Based on the CSET results and students' previous coursework, advisors will recommend directed elective courses to help students prepare for any sections of the CSET that have not been passed. A grade of C or higher is required in all courses used to meet the major requirements for the elementary subject matter teacher preparation option.

Students who select Option II must complete the following coursework for a total of 180 units: 72 units of general education requirements, 6-8 units of university requirements (i.e., ENGL 102 and either the Introduction to Higher Education or Transition to CAL State, L.A. Course), 20 units of Mexican American Studies core courses listed below, 28 units in the depth area also listed below, 12 units of electives or from advisor recommended elementary subject matter courses (if the CSET has not been passed), and 40-42 units of electives in the depth areas and directed electives. At least 28 units must be upper division (300- or 400-level courses).

### **Required for the Major (100-102 units)**

#### **Core Courses (20 units)**

Required (8 units)

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- CHS 111 - Cultural Diversity and Chicanos (4)
- CHS 280 - Chicanas and Latinas in Contemporary U.S. Society (4)

Select an additional 12 units from the following:

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- CHS 112 - Cultural Expressions in the Americas (4)
- CHS 255 - Diverse Latin American Populations in Southern California (4) **also listed as**
- LAS 255 - Diverse Latin American Populations in Southern California (4)
- CHS 312 - Mediterranean and Pre-Columbian Myths in Latin American Literature (4)
- CHS 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- ENGL 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- PAS 327 - Ethnicity and Emotions in U.S. Film (4)

Depth Area (28 units)

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#### **Required (8 units)**

- CHS 471 - The History of Chicana/o Education (4)
- CHS 472 - Chicana/o Education: Theory and Research (4)

Select an additional 20 units from the following:

---

- CHS 355 - Introduction to Principles of Research in Chicano Studies (4)
- CHS 403 - Contemporary Chicana/o Literature (4)
- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 443 - History of the Chicano People in California (4)
- CHS 450 - Research on Community Problems (4)
- CHS 468 - U.S.-Mexico Borderlands (4)
- CHS 470 - Chicano Educational Issues (4) \*
- CHS 480 - Chicana Feminisms and Women's Movements (4)

*\*This course has a service learning component.*

Electives (12 units)

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Select three additional upper division electives in Chicano Studies with adviser approval.

Directed Electives (40-42 units)

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With adviser approval, students select 40-42 units from the following courses which are designed to strengthen the students' preparation for the CSET examination. Students who have passed one or more subtests of the CSET may take, with adviser approval, other courses as electives.

If a student has not passed all sections of the Multiple Subjects CSET, with advisor approval, these electives must be selected from the list of elementary subject matter courses or from other appropriate courses (see "A: Multiple Subjects CSET Preparation courses" below). If a student has passed all sections of The CSET examination, then, with advisor approval, these electives may be taken in one or more depth areas. Students may also use their electives to pursue a teaching credential for elementary education (see "B: Multiple Subject Teaching Credential courses" and "C: Educational Specialist Courses" below).

#### **A: Multiple Subjects CSET Preparation Courses**

## 1. Reading, Language and Literature; History and Social Science (CSET Subtest 1)

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- HIST 488 - California (4)  
**or**
- CHS 443 - History of the Chicano People in California (4)
- ENGL 207 - Beginning Creative Writing (4)
- ENGL 301 - Introduction to Language (4)
- ENGL 430 - Children's Literature (4)
- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)

## 2. Science and Mathematics (CSET Subtest II)

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- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- BIOL 180 - Life Science for Elementary Teachers (4)
- NATS 180 - Motion and Energy for Elementary Teachers (3)
- NATS 181 - Structure and Properties of Matter for Elementary Teachers (3)
- NATS 182 - Topics in Space Science for Elementary Teachers (2)
- NATS 183 - Earth Science for Elementary Teachers (4)

## 3. Physical Education, Human Development, Visual and Performing Arts (CSET Subtest III)

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- ART 400\* - Elementary Classroom Visual Art (3)
- MUS 400 - Elementary Classroom Music (3)
- DANC 400 - Creative Dance in the Elementary Classroom (3)  
**or**
- TA 400 - Creative Drama for the Elementary Classroom (3)
- KIN 420 - Development of Physical Activity (3)
- CHDV 140 - Child Development (4)
- CHDV 343 - Child and Adolescent Cognition (4)  
**or**
- SOC 322 - Socialization: Childhood and Adolescence (4)
- CHDV 350 - Social and Emotional Development (4)
- PH 457 - Health Education for Elementary School Teachers (1)

## Multiple Subjects CSET Review Course

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- EDEL 490 - Problems in Elementary Education (2–5) **(2 units)**  
*(may be taken up to three times for credit)*

## Professional Education Courses (46 units)

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A minimum GPA of 2.75 in the last 90 quarter units is required for enrollment in EDCI 300 or EDSP 300. See catalog, "Multiple Subject Credential" or "Education Specialist Credential," for additional pre-requisites. An overall 3.0 GPA must be attained in all professional education courses with a minimum grade of "C" in each course. Students should see both a major adviser and a multiple subject or special education credential adviser regarding completion of the degree and other Credential requirements.

### **B. Multiple Subject Teaching Credential Courses (46 units)**

These courses are for a Multiple Subject (Elementary Education) Teaching Credential.

#### Required Prerequisite Courses (2 units)

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- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)

Complete the following:

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- EDFN 420 - Introduction to Foundations of Urban Learning (2)  
*(it is Recommended that this course be taken during Block one.)*
- EDSP 400 - Foundations of Special Education (4)  
*(it is Recommended that this course be taken prior to Block three.)*
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
*(Prerequisite for EDEL 417)*

#### Block One (must be completed before Block Two)

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- EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods (4)
- EDEL 405 - Proseminar: Language Development in the Elementary Classroom (4)

Block Two (must be completed before Block Three)

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- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 418 - Proseminar: Curriculum and Teaching of Science (4)

Block Three (must be completed before Block Four)

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- EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts (4)
- EDEL 419 - Proseminar: Curriculum and Teaching of Social Science (4)

Directed Teaching Credential Requirements (12 units)

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Block Four (must attend a mandatory Directed Teaching meeting prior to enrolling in these courses.)

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- EDEL 403 - Directed Teaching: Multiple Subject (10)
- EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching (2)

### C. Education Specialist Courses (46 units)

Completion of these courses and passage of the CBEST qualify students to be eligible for a Special Education Internship Credential with verification of employment from a cooperating school district. For a Preliminary Education Specialist Credential, students must complete the additional credential coursework in their area of specialization (i.e. Mild/Moderate Disabilities, Moderate/Severe Disabilities, Physical and Health Impairments or Visual Impairments). Students must consult with a Special Education adviser for specific program requirements.

Complete the following:

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- EDSP 300 - Introduction to Special Education (4)
- EDSP 301 - Individuals with Disabilities in Contemporary Society (3)
- EDSP 400 - Foundations of Special Education (4)
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)  
(prerequisite for EDEL 417)
- EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts (4)
- EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics (4)
- EDSP 407 - Directed Teaching in Special Education (3–12) (5 units)
- EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs (4)
- EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings (4)
- EDIT 430 - Information Technologies in the Classroom (4) or equivalent

Internship Emphasis Requirement: Specialization (8)

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Complete 8 units of appropriate work in the selected area of specialization.

#### Mild-to-Moderate Disabilities

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities (4)

#### Moderate-to-Severe Disabilities

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- EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs (4)
- EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities (4)

#### Physical and Health Impairments

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- EDSP 462 - Understanding Physical, Health, and Multiple Disabilities (4)
- EDSP 460 - Implications of Physical and Health Impairments (4)

#### Visual Impairment and Blindness

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- EDSP 465 - Medical Aspects of Visual Impairments (3)
- EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness (4)

# Central American Studies Minor

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## Curriculum Summary

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The minor in Central American Studies provides students with an in-depth and cross-disciplinary exploration of Central America, its past and present, and its connections to the United States through globalization and international migration.

A total of 24 units are required. A total of 12 units are constituted by core requirements and the remainder of the units is drawn from elective courses.

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## Requirements for the Minor (24 Units)

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### Core Requirements (12 Units)

- CHS 255 - Diverse Latin American Populations in Southern California (4) **also listed as**
- LAS 255 - Diverse Latin American Populations in Southern California (4)
  
- CHS 404 - The Central American Experience in the US (4) **also listed as**
- LAS 404 - The Central American Experience in the US (4)
  
- HIST 464 - Central America Since Independence (4)

### Electives (12 Units)

Choose one course from each area listed below

#### Area 1: Cultural History

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- ART 447 - The Art of Mesoamerica and the Southwest (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 429 - Maya Civilization (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)

#### Area 2: Contemporary Realities

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*\*To be completed with an organization serving Central American populations in Southern California.*

- CHS 406 - Latina/o Communities in U.S. Society (4)
  
- CHS 423 - Migration, Identity, and Religion (4) **also listed as**
- LAS 423 - Migration, Identity, and Religion (4) **also listed as**
- RELS 423 - Migration, Identity, and Religion (4)
  
- CHS 485 - Health and Chicano/Latino Families (4)
  
- \* CHS 395 - Community Service in Chicano Studies (1–3)
- **or**
- LAS 395 - Community Service in Latin American Studies (1–4)
  
- SPAN 431 - Spanish-American Testimony (4)

#### Area 3: Central America Today

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- GEOG 427 - Mexico and Central America (4)
- ECON 465 - Current Issues in Latin American Economies (4)
  
- PAS 456 - Politics of the Caribbean and Central America (4) **also listed as**
- POLS 456 - Politics of the Caribbean and Central America (4)
  
- LAS 470 - Labor and Social Movements in the Americas (4)

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## Chicano Studies Minor

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### Requirements for the Minor (24 units)

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#### Lower Division Required Courses (8 units)

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Select two from:

- CHS 111 - Cultural Diversity and Chicanos (4)
- CHS 201 - Modern Mexican Literature in Translation (4)
- CHS 280 - Chicanas and Latinas in Contemporary U.S. Society (4) and lower division Chicano Studies elective courses.

#### Upper Division Required Courses (8 units)

---

- CHS 403 - Contemporary Chicana/o Literature (4)
- CHS 444 - History of the Chicano People in the United States (4)

#### Electives (8 units)

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(select 8 upper division units with adviser approval)

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## Mesoamerican Studies Minor

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The minor in Mesoamerican Studies offers students a crossand interdisciplinary curriculum on the cultures frequently associated with the Aztecs and Mayas, but inclusive of other ancient peoples who populated metropolitan and ceremonial centers such as Teotihuacan and Tula. The fields of study include art history, cave archaeology, colonial ethnography, and myth narratives read as examples of Mesoamerican "literature," such as the poetry of Ancient Mexico (e.g., Texcoco), and Maya texts, such as the Popol Vuh and the Rabinal Achi, among others.

A total of 24 units in required and elective courses comprise the minor in Mesoamerican Studies.

### Requirements for the Minor (24 units)

#### Upper Division Required Courses (8 units)

- CHS 320 - Mesoamerican Civilization (4)
- **Select One:**
- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ART 447 - The Art of Mesoamerica and the Southwest (4)
- CHS 400 - Literatures of Mesoamerica (4)

#### Upper Division Electives (16 units)

Students must select one course from each of the four disciplines:

##### Anthropology

- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ANTH 429 - Maya Civilization (4)
- ANTH 454L - Special Topics in Anthropology (1–6) Cave Archeology (4)

##### Art

- ART 447 - The Art of Mesoamerica and the Southwest (4)
- ART 450 - The Colonial Art of Mexico and Guatemala (4)
- ART 453 - Aztec Art and Culture (4)

##### Chicano Studies

- CHS 312 - Mediterranean and Pre-Columbian Myths in Latin American Literature (4) **also listed as**
- ML 312 - Mediterranean and Pre-Columbian Myths in Latin America Literature (4)
- CHS 400 - Literatures of Mesoamerica (4)
- CHS 490 - Special Studies (1–4) (When topic is Mesoamerican Studies) (4)

##### History

- HIST 450B - Research Capstone: Special Studies in History (4) (When topic is Mesoamerican Studies) (4)
- HIST 461 - Latin America: Colonial Period (4)
- HIST 466A - Colonial Mexico (4)
- HIST 469 - Indigenous Peoples of Mexico, 1325-1910 (4)

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## Mexican-American Studies, M.A.



The Master of Arts degree in Mexican-American Studies is designed for graduate students who wish to pursue advanced study toward the Ph.D. degree; or teach in community colleges, secondary, or elementary schools; or work as professionals in private agencies or government service.

### Admission to the Program

Prerequisites to admission are a baccalaureate in Mexican- American Studies or a related field, with at least 20 upper division units in Chicano Studies and a grade point average of 2.75 or above in the last 90-quarter units of work attempted at an accredited institution. Students who lack prerequisite courses must complete them with a B (3.0) average or better.

#### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 24 units in 500-level courses.

##### Language Requirement

Candidates for the master's degree in Mexican-American Studies must demonstrate proficiency in the Spanish language before beginning thesis work or attempting the comprehensive examination by one of the following methods:

- Passing the Foreign Language Reading Examination (ML 901) in Spanish as offered by the Department of Foreign Languages and Literatures and in accordance with the practices of that department *or*
- Passing a 400-level, four-unit Spanish course with a grade of C or better. This course may not be used as an elective for the master's degree.

##### Required Courses (24 units)

- CHS 502 - Chicana/o Studies and Contemporary Theory (4)
- CHS 503 - Seminar: Research Methods in Chicano Studies (4)
- CHS 504 - Seminar: Chicano Psychological Issues (4)
- CHS 505 - Seminar: Chicano Literature (4)
- CHS 506 - Seminar: Chicano History (4)
- CHS 509 - Interdisciplinary Seminar in Chicano Studies (4)

##### Electives (15–21 units)

Remaining course work may include 400 and 500-level courses in Chicano Studies and appropriate related fields selected with departmental consultation and approval.

##### Comprehensive Examination or Thesis (0-6 units)

A comprehensive examination or a thesis is required for the master's degree. Students should expect to take the comprehensive examination (CHS 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

- CHS 596 - Comprehensive Examination (0)  
*or*
- CHS 599 - Thesis (1–6)





## Mexican American Studies Credential Program

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The Bachelor of Arts degree in Mexican-American Studies with Option II satisfies the subject matter requirements for the Multiple Subject CLAD/BCLAD Teaching Credential. For detailed information about these credentials, consult advisers in the department and in the Charter College of Education. Refer to the Charter College of Education section for regulations governing all credential programs.

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## The Department of Geosciences and Environment



### DEPARTMENT OFFICE

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## The Faculty

**Professors:** Stephen Kim M. Bishop, Barry Hibbs, Stephen E. G. Ladochy, Ali Modarres, Hong-Lie Qiu, Pedro C. Ramirez, Hengchun Ye, Killian P. H. Ying.

**Associate Professor:** Stephen Mulherin.

**Assistant Professors:** Andre Ellis and Jennifer Garrison.

**Emeriti:** Harry C. Coffin, Ivan P. Colburn, Alan A. Colville, Terry E. Davis, Perry L. Ehlig, Sin Fong Han, Richard W. Hurst, John A. Kirchner, Vincent Mazzucchelli, Robert F. Meade, Gary Novak, Clement Padick, John D. Rees, Robert J. Stull.

The Department of Geosciences and Environment offers undergraduate programs leading to the Bachelor of Arts (BA) degree in Geography and Bachelor of Science (BS) in Geology. The BA in Geography consists of three options: Environmental Geography, Urban Analysis, and Geographic Information Systems (GIS). The BS in Geology consists of two options: Geology and Environmental Geosciences. In addition to BA and BS degree offerings, the department also offers a minor in Geography and a minor in Geology for students majoring in other fields, and a post-baccalaureate certificate in Geographic Information Systems. The department also offers a graduate program leading to a Master of Art degree in Geography and a Master of Science degree in Geological Sciences, under its Environmental Hydrogeology option.

## Programs for this Department:

### Undergraduate Major

- Geography, B.A.
- Geology, B.S.

### Undergraduate Minor

- Geography Minor
- Geology Sciences Minor

### Post Baccalaureate Certificate

- Geographic Information Systems Certificate

### Graduate Major

- Geography, M.A.
- Geological Sciences, M.S.



# Geography, B.A.

The Bachelor of Arts degree in Geography is designed to provide students with an understanding of the world's physical and cultural environments. The program provides a foundation in the theory and practice of contemporary geography, with emphasis on a variety of applied and technical skills that will enhance a student's career opportunities.

The total number of units required for the Bachelor of Arts degree in Geography is 180 units, of which 64 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (64 units)

All options leading to the degree in Geography require 64 units.

The General option requires 28 units of lower division and 36 units of upper division. The Geographic Information Systems option requires 20 units of lower division, 36 units of upper division, and 8 units of electives. The Urban Analysis option requires 16 units of lower division, 32 units of upper division, and 16 units of electives.

## Options

- Environmental Geography Option
- Geographic Information Systems (GIS) Option
- Urban Analysis Option

### Environmental Geography Option (64 units)

#### I. Lower Division Required Courses (28 units)

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOL 150 - Earth Revealed + (4)
- GEOG 170 - Meteorology (4)
- GEOL 220 - Environmental Geoscience (4)
- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following two courses:

- GEOL 155 - Oceanography + (4)
- GEOL 158 - Natural Disasters (4)

#### II. Upper Division Required Courses (36 units)

##### Methods (select 2 of the following) (8 units)

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 482 - Multivariate Statistics in Geography (4)

GIS Applications (select one of the following) (4 units)

- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

Climate (select 1 of the following) (4 units)

- GEOG 310 - Urban Climatology (4)
- GEOG 312 - Global Climate Change and the Developing World (4) (also listed as)
- GEOL 312 - Global Climate Change and the Developing World (4)
- GEOG 410 - Applied Climatology (4)
- GEOL 433 - Quaternary Geology (4)

Environmental Geography (select 2 of the following) (8 units)

- GEOG 309 - Urban Environmental Pollution (4)
- GEOG 340 - Environmental Geography I (4)
- GEOL 357 - Urban Geology (4)
- GEOG 403 - Environment and Food Customs (4)
- GEOG 415 - Perspectives on Environment (4)
- GEOL 487 - Watershed Analysis (4)

Urban Social Dynamics (select 2 of the following) (8 units)

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- GEOG 432 - Metropolitan Los Angeles (4)
- GEOG 440 - Environmental Geography II — Sustainable Urban Development (4)
- GEOG 442 - Population Geography (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- GEOG 457 - Transportation Geography (4)
- GEOG 458 - Urban Transportation (4)
- GEOG 476 - Urban Geography (4)

Senior Thesis (4 units)

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- GEOG 495 - Senior Thesis (4)

## **Geographic Information Systems (GIS) Option (64 units)**

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### **I. Lower Division Required Courses (20 units)**

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOG 268 - Introduction to Geospatial Sciences (4)
- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following two courses.

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- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)

### **II. Upper division courses (36 units)**

Technical Core (32 units)

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- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOG 482 - Multivariate Statistics in Geography (4)
- GEOG 495 - Senior Thesis (4)

**Plus one of the following (4 units):**

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- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

Systematic Core (4 units)

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Select one of the following:

- GEOG 402 - Geomorphology (4)
- GEOG 407 - Biogeography (4)
- GEOG 410 - Applied Climatology (4)
- GEOG 442 - Population Geography (4)
- GEOG 457 - Transportation Geography (4)
- GEOG 476 - Urban Geography (4)
- GEOG 458 - Urban Transportation (4)

### **III. Electives in geography (8 units)**

To be determined by student and advisor. it could include additional courses from the list of systematic core in geography (see above).

## **Urban Analysis Option (64 units)**

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### **I. Lower Division Required Courses (16 units)**

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)

- GEOG 282 - Spatial Measurement and Elementary Statistics (4)

Select one of the following two courses (4 units)

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- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)

## II. Upper division required courses (32 units)

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 370 - World Regions (4)
- GEOG 376 - Urban Spatial Process and Patterns (4)
- GEOG 395 - Geographic Methodology (4)
- GEOG 432 - Metropolitan Los Angeles (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- GEOG 476 - Urban Geography (4)
- GEOG 495 - Senior Thesis (4)

## III. Electives (16 units)

Select at least one course from each of the following three groups

### Methods

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- GEOG 268 - Introduction to Geospatial Sciences (4)
- GEOG 442 - Population Geography (4)
- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 482 - Multivariate Statistics in Geography (4)

### Environmental

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- GEOG 309 - Urban Environmental Pollution (4)
- GEOG 310 - Urban Climatology (4)
- GEOG 312 - Global Climate Change and the Developing World (4)
- GEOG 333 - Environment and Development in the Third World (4)
- GEOG 403 - Environment and Food Customs (4)
- GEOG 410 - Applied Climatology (4)
- GEOG 415 - Perspectives on Environment (4)
- GEOG 466 - Remote Sensing (4)
- SOC 487 - Environmental Policy, Law, and Society (4)

### Social and Economic

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- GEOG 457 - Transportation Geography (4)
- GEOG 458 - Urban Transportation (4)
- GEOG 478 - Middle Eastern Cities (4)
- POLS 404 - Urban Government and Politics (4)
- POLS 406 - Los Angeles City Politics (4)
- POLS 461 - Dynamics of Urban Administration (4)
- SOC 430 - Urban Sociology (4)

# Bachelor of Science Degree in Geology

The total number of units for the Bachelor of Science degree in Geology is 180 units. The Bachelor of Science degree program is designed to provide in-depth study of Earth materials, structures, and processes for professional work in fields such as engineering geology, hydrogeology, and petroleum geology, or graduate study.

The Geology option requires 35 units of foundational courses. Additionally, this option requires a total of 64 units, which consist of 20 units of lower division, 33 units of upper division, and 12 units of electives. The Geosciences Option requires 26-28 units of foundational courses. Additionally, this option requires a total of 72 units, which consist of lower division, 32 units of upper division, and 16 units of electives.

## Options

- Geology Option
- Environmental Geoscience Option

### Geology Option (100 units)

#### I. Lower Division Required Foundational Courses (35 units)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- PHYS 101 - Physics (4)
- PHYS 102 - Physics (4)
- PHYS 103 - Physics (4)

#### II. Lower Division Required Courses (20 units)

- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)
- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOL 252 - Historical Geology (4)

#### III. Upper Division Required Courses (32 units)

- GEOL 301 - Mineralogy and Petrology (4)
- GEOL 360 - Geological Mapping (4)
- GEOL 400 - Optical Mineralogy (4)
- GEOL 401 - Igneous and Metamorphic Petrology (5)
- GEOL 402 - Sedimentary Petrology (4)
- GEOL 410 - Structural Geology (4)
- GEOL 460A - Summer Field Geology (5)
- GEOL 460B - Report for Field Geology (3)

#### IV. Electives (12 units)

Select 3 courses from the following list. Other courses may be substituted with prior advisor approval.

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 402 - Geomorphology (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOL 321 - Geology of Southern California (4)
- GEOL 370 - Geochemistry (4)
- GEOL 422 - Environmental & Forensic Geochemistry (4)
- GEOL 424 - Low Temperature Geochemistry (4)
- GEOL 434 - Volcanology (4)
- GEOL 435 - Coastal Processes and Environments (4)
- GEOL 481 - Engineering Geology (4)
- GEOL 483 - Photogeology (4)
- GEOL 484 - Hydrogeology (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 487 - Watershed Analysis (4)
- GEOL 490 - Special Topics in Geology (1-4)
- GEOL 491 - Special Laboratory Topics in Geology (1-3)

### I. Lower Division Required Foundational Courses (28 or 26)

- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4) **or**
- BIOL 300 - Biometrics (4)
- BIOL 100A - Introductory Biology I (5) **and**
- BIOL 100B - Introductory Biology II (5)
- or**
- PHYS 101 - Physics (4) **and**
- PHYS 102 - Physics (4)

### II. Lower Division Required Courses (24)

- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOG 160 - Physical Geography (4)
- GEOG 155 - Cultural Geography (4)
- GEOL 220 - Environmental Geoscience (4)
- GEOL 252 - Historical Geology (4)

### III. Upper Division Required Courses (32 units)

- GEOL 301 - Mineralogy and Petrology (4)
- GEOL 360 - Geological Mapping (4)
- GEOL 402 - Sedimentary Petrology (4)
- GEOL 410 - Structural Geology (4)
- GEOL 422 - Environmental & Forensic Geochemistry (4)
- GEOL 484 - Hydrogeology (4)
- GEOL 487 - Watershed Analysis (4)
- GEOG 410 - Applied Climatology (4)

### IV. Electives (16 units)

Select 4 courses from the following list. Other courses may be substituted with prior advisor approval.

- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 402 - Geomorphology (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)
- GEOL 430 - Stratigraphy and Sedimentology (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOL 321 - Geology of Southern California (4)
- GEOL 370 - Geochemistry (4)
- GEOL 424 - Low Temperature Geochemistry (4)
- GEOL 433 - Quaternary Geology (4)
- GEOL 434 - Volcanology (4)
- GEOL 435 - Coastal Processes and Environments (4)
- GEOL 481 - Engineering Geology (4)
- GEOL 483 - Photogeology (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 490 - Special Topics in Geology (1–4)
- GEOL 491 - Special Laboratory Topics in Geology (1–3)

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## Geography Minor

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A minor in Geography is available for students majoring in other fields. A total of 28 units in geography is required, selected in consultation with an adviser in geography and distributed as follows:

### Requirements for the Minor (28 units)

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#### Required Courses (8 units)

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- GEOG 155 - Cultural Geography (4)
- GEOG 160 - Physical Geography (4)

#### Electives (20 units)

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Select a minimum of 20 units in geography with consent of adviser. At least 14 units must be upper division.

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## Geology Sciences Minor

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This program is designed for students majoring in other fields who wish to broaden their experience in science or prepare for careers such as teaching, public service, or law. The minor requires 28 units in geology. Consultation with a department adviser is required. Students with majors in related physical sciences may substitute other courses with approval of a department adviser.

### Requirements for the Minor (28 units)

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#### Required Courses (8 units)

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- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)

#### Electives (20 units)

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Select a minimum of 20 units in Geology with consent of adviser. At least 14 units must be Upper Division.

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## Undergraduate Certificate Program in Geographic Information Systems

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The Geographic Information Systems (GIS) undergraduate credit certificate is offered by the Department of Geography and Urban Analysis to students with up-to-date theory and technology in spatial analysis in urban planning, political science, and environmental studies. It provides students a Post-Baccalaureate alternative for acquiring a recognized certification for GIS competency. A total of 16 units in the following courses are required for the certificate. Refer to the Graduate and Post-Baccalaureate Studies: General Information chapter of this catalog for general regulations governing all certificate programs.

### Upper Division (16 units)

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- GEOG 369 - Fundamentals of Geographic Information Systems (4)
- GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning (4)
- GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science (4)
- GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies (4)

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# Geography, M.A.



The Department of Geosciences and Environment offers two postgraduate degrees: Master of Arts in Geography and Master of Science in Geosciences and Environment (with options in Geology and Environmental Hydrology).

The Master of Arts degree program in Geography is designed to prepare students for teaching at the secondary and community college levels, employment in government and private industry, and further graduate study in geography.

## I. Master of Arts Degree in Geography

### Admission to the Program

#### Applicants with baccalaureates in Geography:

- A. Must have attained a grade point average of at least 2.75 (A=4.0) in the last 90-quarter units of undergraduate work attempted, or satisfactory completion of probationary units.
- B. Must have been in good standing in the last college or university attended.
- C. Must give evidence of passing GEOG 395 or its equivalent in another accredited college or university.
- D. Must meet all University admission requirements.

#### Applicants with baccalaureates in majors other than Geography:

- A. Must have attained a grade points average of at least 2.75 (A=4.0) in the last 90-quarter units of undergraduate work attempted, or satisfactory completion of probationary units.
- B. Must have been in good standing in the last college or university attended.
- C. Must complete GEOG 395 or its equivalent in another accredited college or university plus 12-28 units of approved upper-division geography courses with a minimum B (3.0) average.
- D. Must meet all University admission requirements.

### Additional Departmental Requirements for all Graduate Program Applicants

Students are accepted into the graduate program of the Department of Geography and Urban Analysis for fall and winter quarters. In order to facilitate the admission process all prospective students must submit their application through the university online service and follow the established university procedures. Additionally, applicants must submit the following documents directly to the department:

- A. An unofficial copy of their transcripts from all colleges and universities attended,
- B. A statement of intent, and
- C. Two letters of recommendations, in which at least one letter must come from a professor or an individual capable of evaluating the applicant's qualification for graduate study.

The statement of intent should be between 500-700 words indicating applicant's purpose in applying for graduate study, any special areas of interest, plans for future occupation or profession and any additional information that may aid the selection committee in evaluating the applicant's preparation and aptitude for graduate study at CSULA. All documents must be received by the department prior to March 1 for fall quarter admission and June 10 for winter admission. Applications will be reviewed by the department and assessed based on the completed application form and supporting materials. Documents that are submitted directly to the department should be sent to the following address:

The Graduate Study Committee  
Department of Geosciences and Environment  
4067 King Hall  
California State University Los Angeles  
5151 State University Drive  
Los Angeles, CA 90032  
U.S.A.

### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 in 500-level courses.

Before enrolling in GEOG 599 or taking the comprehensive examination (GEOG 596), students must satisfy one of the following requirements, subject to principal graduate adviser approval:

### **Computer Skills, Statistics, or Foreign Language Requirement**

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Complete GEOG 468 with a grade of B or higher, **or**

Complete GEOG 482 with a grade of B or higher, **or**

Pass a reading examination in a language other than English (ML 901) in the geographic literature of a modern language, as offered by the Department of Modern Languages and Literatures and in accordance with the practice of that department, **or**

Complete 12 units in a modern language in accordance with the practice of the Department of Modern Languages.

### **Required Seminar (4 units)**

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- GEOG 595 - Seminar: Geographic Thought (4)

### **Electives (12 units)**

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#### **Select 12 units from following**

Select elective seminars with the approval of the principal graduate adviser. Students may repeat GEOG 510, 520, 540, and 560 provided the seminar topic is not repeated in the exact subject matter or region.

- GEOG 510 - Seminar: Physical Geography (4)
- GEOG 520 - Seminar: Regional Geography (4)
- GEOG 530 - Seminar: Urban Social Systems (4)
- GEOG 540 - Seminar: Human Geography (4)
- GEOG 560 - Seminar: Methods and Techniques in Geography (4)

### **Electives in Geography and Related Fields (20–29 units)**

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Select 400 and 500-level GEOG courses. Students who elect the comprehensive examination option must include a minimum of 7 units at the 500 level. With approval of the principal graduate adviser, a maximum of 8 units may be in related fields.

### **Comprehensive Examination or Thesis (0, 6–9 units)**

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Students who select the comprehensive examination must include a minimum of 29 units in *Electives in Geography and Related Fields* above, should expect to take the examination (GEOG 596) the quarter they complete all course work on their program, and must comply with college and departmental requirements.

The examination consists of a section about Geographic Thought plus sections about two of the following subject matters selected by the student with approval of the principal graduate adviser: Biogeography, Climatology, Cultural Geography, Economic Geography, Environmental Studies, Geographic Information Systems, Geomorphology, Historical Geography, Locational Analysis, Mathematical Modeling, Medical Geography, Population Geography, Qualitative Research Methods, Remote Sensing, Settlement Geography, Spatial Statistics, Transportation Geography, Urban Geography, and Geography of a particular region.

Students who elect to write a thesis will need to enroll in GEOG 599 for a minimum of two quarters and a total of 6-9 units. In addition to the 16 units of required (4 units) and elective (12 units) seminars, these students need to complete a minimum of 20-23 units of electives (400-or 500-level courses) to satisfy the 45-unit requirement for the master's degree.

## Geological Sciences, M.S.



The Department of Geosciences and Environment offers two postgraduate degrees: Master of Arts in Geography and Master of Science in Geosciences and Environment (with options in Geology and Environmental Hydrology).

The objective of the Master of Science degree in Geology is to prepare students for professional level employment in industry and government, teaching positions in community colleges, or advanced study towards the Ph.D. degree. A student may achieve this objective by completing the program with either a thesis or a comprehensive examination. The program has two Options: Geology and Environmental Hydrogeology. The Geology option prepares students for careers in areas of traditional geology and engineering geology. The Environmental Hydrogeology option prepares students for careers in hydrogeology and environmental geochemistry.

### Cooperative Program

The Department of Geological Sciences participates in a cooperative program with California State University campuses at Long Beach and Northridge. This cooperative program enables students to apply an unrestricted number of courses from the participating campuses toward the M.S. degree. Students take part on a voluntary basis and are not required to enroll at the Long Beach or Northridge campuses. The cooperative program offers students the advantage of utilizing the faculty and equipment of a larger part of the California State University system.

### Admission to the Program

Admission requirements include official results of the Graduate Record Examination, possession of a Bachelor of Science degree in Geology, Earth or Environmental Sciences, related areas of Natural Science, or Engineering from an accredited college or university, with a minimum 2.75 grade point average in the last 90 quarter units and upper division course work substantially equivalent to that required of Cal State L.A. geology majors. Applicants who lack appropriate courses may be admitted to the program but will be expected to remove any deficiencies by completing courses selected through consultation with the graduate adviser.

### Application Procedures

Applications for any quarter should be submitted early in the preceding quarter both to the University and the Department of Geosciences and Environment. In addition to the specific prerequisites stated above, students must meet university requirements for admission to graduate study.

#### Requirements for the Degree (45 units)

The graduate program requires 45-quarter units of work including 22.5 units of 500-level courses chosen with adviser approval. All students must complete *Graduate Research* (GEOL 597) and either a *Thesis* (GEOL 599) or the *Comprehensive Examination* (GEOL 596).

With approval of the department graduate adviser, students may substitute appropriate 400 or 500-level courses from related areas in science, mathematics, or engineering in the official program to a maximum of 13.5 quarter units.

#### Options

- Geology
- Environmental Hydrogeology

#### Option 1: Geology (45 units)

##### Elective Undergraduate Courses (maximum of 22.5 units)

All 400-level GEOL courses may be applied toward master's degree requirements except the following, GEOL 400, 401, 402, 410, 430, 460A, 460B, and 499.

Subject to limits established by the department and approval of the graduate adviser.

##### Elective Graduate Courses (minimum of 13.5 - 18 units)

Select from the following list:

- GEOL 525 - Sedimentary Processes, Environments, and Structures (4.5)
- GEOL 530 - Seminar: Structural Geology and Tectonics (4.5)
- GEOL 531 - Tectonic Problems of Southern California (4.5)

- GEOL 560 - Hydrogeology (4.5)
- GEOL 561 - Vadose Zone Hydrogeology (4.5)
- GEOL 562 - Contaminant Hydrogeology (4.5)
- GEOL 563 - Water Quality Seminar (4.5)
- GEOL 570 - Special Topics (1.0–4.5)
- GEOL 581 - Seminar: Engineering Geology (4.5)
- GEOL 584 - Paleoseismology (4.5)
- GEOL 585 - Landslides, Avalanches, and Debris Flows (4.5)
- GEOL 598 - Graduate Directed Study (1.5–4.5)

#### Required Graduate Courses (4.5 - 9 units)

- GEOL 597 - Graduate Research (1.5–4.5) (4.5)
- GEOL 596 - Comprehensive Examination (0)  
or
- GEOL 599 - Thesis (1.5–4.5) (4.5)

### Option 2: Environmental Hydrogeology (45 units)

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#### Required Courses (21-25.5 units)

- GEOL 422 - Environmental & Forensic Geochemistry (4)
- GEOL 484 - Hydrogeology (4)
- GEOL 487 - Watershed Analysis (4)
- GEOL 563 - Water Quality Seminar (4.5)
- GEOL 597 - Graduate Research (1.5–4.5) (4.5)
- GEOL 596 - Comprehensive Examination (0)  
or
- GEOL 599 - Thesis (1.5–4.5) (4.5)

#### Electives (19.5-24 units)

Select courses from the following list. At least two must be 500-level geology courses.

- CE 479 - Groundwater Contamination and Remediation (4)
- CE 579 - Environmental Mass Transfer (4)
- GEOG 469 - Spatial Analysis and GIS Modeling (4)
- GEOL 424 - Low Temperature Geochemistry (4)
- GEOL 435 - Coastal Processes and Environments (4)
- GEOL 485 - Groundwater Management and Models (4)
- GEOL 560 - Hydrogeology (4.5)
- GEOL 561 - Vadose Zone Hydrogeology (4.5)
- GEOL 562 - Contaminant Hydrogeology (4.5)
- GEOL 570 - Special Topics (1.0–4.5) (2-4.5)
- GEOL 598 - Graduate Directed Study (1.5–4.5)

#### Other Recommended Electives:

- GEOL 411 - Geotectonic Development of California (4)
- BIOL 465 - Issues in Environmental Biology (4)
- CE 483 - Hydrology I (4)
- CE 484 - Environmental Engineering Design (4)
- CE 585 - Environmental Transport (4)
- GEOG 466 - Remote Sensing (4)
- GEOG 468 - Digital Cartography (4)
- GEOL 481 - Engineering Geology (4)
- GEOL 490 - Special Topics in Geology (1–4)
- GEOL 491 - Special Laboratory Topics in Geology (1–3)
- GEOL 525 - Sedimentary Processes, Environments, and Structures (4.5)
- GEOL 581 - Seminar: Engineering Geology (4.5)
- GEOL 585 - Landslides, Avalanches, and Debris Flows (4.5)
- MICR 430 - Bacterial Physiology (3)
- MICR 433 - Bacterial Physiology Laboratory (2)

## Department of History

### DEPARTMENT OFFICE

King Hall C4066

Phone: (323) 343-2020

E-mail: [history@calstatela.edu](mailto:history@calstatela.edu)

Website: <http://www.calstatela.edu/academic/history/index.htm>

The Department of History provides opportunities to study the development and interaction of the world's cultures. In addition to a broad curriculum in local, national, and world history, the department offers a wide variety of special topics courses. The program thus contributes to the attainment of intellectual and cultural objectives of a liberal-arts education appropriate to careers in law, journalism, business, government service, librarianship, and teaching, or to advanced study.

The department offers the Bachelor of Arts and Master of Arts degrees in History and minors in History and in Labor and Working Class Studies for students majoring in other areas.

The department coordinates the Teacher Preparation option of the history major, approved by the California Commission on Teacher Credentialing for the Single Subject credential in Social Science, which is designed for students seeking a Single Subject Credential in Social Science.

The Department of History administers a minor in Religious Studies designed to explore the forms and traditions of religion that have appeared in human culture.

## The Faculty

**Professors:** Francisco E. Balderrama, Choi Chatterjee (Director, Teacher Preparation Option), Christopher Endy, Cheryl Koos (Chair), Afshin Matin-asgari, Enrique C. Ochoa, Rennie B. Schoepflin, Carole Srole, Lillian Taiz, Ping Yao.

**Associate Professors:** Birte Pflieger, Angela Vergara, Scott Wells (Director, Religious Studies), Mark Wild (Director, Graduate Studies), Lamont Yeakey.

**Assistant Professors:** Eileen Ford, Kittiya Lee, Sara Pugach, Angela Vergara.

**Emeriti:** John M. Allswang, Richard Dean Burns, Stanley M. Burstein, Daniel Crecelius, Donald O. Dewey, Timothy Fox Harding, Udo Heyn, Philip Yuen-Sang Leung, Milton W. Meyer, Arnold Pincus, Kenneth J. Pratt, Neil Rabitoy, Martin J. Schiesl, Arthur L. Smith, Jr, Erika Wilson.

## Programs for this Department:

### Undergraduate Major

- History, B.A.

### Undergraduate Minor

- History Minor
- Labor and Working Class Studies Minor
- Religious Studies Minor

### Graduate Major

- History, M.A.

### Credential

- History Teaching Credential Program

## History, B.A.

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The Bachelor of Arts degree program in History is designed to provide an understanding of societal development in all aspects of human experience and of the relevance of the past to the present. The program permits pursuit of a wide range of interests within the purview of historical scholarship. Students should confer in advance with a history adviser to select the courses and program appropriate to their goals.

The total number of units required for the Bachelor of Arts degree in History is 180 units, of which 78-108 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (78-80 or 106-108 units)

Students pursuing a Bachelor of Arts degree in History select one of two options: A General Option, requiring 78-80 units, and a Teacher Preparation Option, requiring 106-108 units, for those interested in a Single-Subject Credential in Social Science.

### Options

- General Option
- Teacher Preparation Option

#### General Option (78-80 units)

The General option is comprised of a required core of 18-20 lower division and 44 upper division units plus 16 units of electives.

##### Foreign Language Competence

History majors are urged to develop competence in at least one foreign language.

##### Lower Division Required Courses (20 units, or 18-20 units of equivalent transfer credit)

- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)
- HIST 110C - World Civilization III (4)
- HIST 202A - United States Civilization (4)
- HIST 202B - United States Civilization (4)

##### Upper Division Required Courses (44 units)

###### Required Courses (8 units)

- HIST 388 - Historiography (4)
- HIST 390 - Historical Research and Writing (4)

Select 8 units each from groups A, B, and C for a total of 24 units:

#### Group A Western Civilization/Europe (8 units)

##### Ancient:

- HIST 311 - Classical Civilization and the Modern World (4)
- HIST 410 - Ancient Near East: 4000–323 B.C. (4)
- HIST 411 - History of Ancient Greece (4)
- HIST 412A - Early Rome, The Republic (4)
- HIST 412B - The Roman Empire (4)
- HIST 413 - Greek History: The Alexandrian Age (4)

##### Europe (Chronological):



- HIST 421 - The Early Middle Ages (4)
- HIST 422 - The Later Middle Ages (4)
- HIST 423 - Renaissance and Reformation (4)
- HIST 424 - Seventeenth Century Europe (4)
- HIST 425 - Eighteenth Century Europe (4)
- HIST 426 - French Revolution and Napoleon (4)
- HIST 429 - Europe: 1914 to Present (4)
- HIST 430 - Europe: 1815–1914 (4)

#### Europe (Topical):

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- HIST 380 - Ancient and Modern Science (4)
- HIST 402 - Religion and Society in Medieval Europe (4)
- HIST 431 - History of Modern Germany (4)
- HIST 439 - Intellectual History of Europe (4)
- HIST 443 - The British Empire (4)
- HIST 444A - Spain and Portugal to 1700 (4)
- HIST 444B - Spain and Portugal Since 1700 (4)
- HIST 446 - Imperial Russia: 1801–1917 (4)
- HIST 447 - The Soviet Union (4)

#### Group B The United States (8 units)

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##### U.S. (Chronological):

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- HIST 470 - The Colonial Heritage: The United States, 1607–1763 (4)
- HIST 471 - Era of Revolution: The United States, 1763–1815 (4)
- HIST 472 - Democracy, Dissent, and Disunion: The United States, 1815–1877 (4)
- HIST 473 - The United States, 1877–1918 (4)
- HIST 474 - The United States, 1918–1952 (4)
- HIST 475 - The United States, 1952 to Present (4)

##### U.S. (Topical):

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- HIST 383 - Rise of Urban America (4)
- HIST 455 - American Religious History (4)
- HIST 457A - American Intellectual History to the Civil War (4)
- HIST 457B - American Intellectual History Since the Civil War (4)
- HIST 458 - Sickness and Health in American History (4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 460 - The Chicano Movement (4)
- HIST 476 - Economic History of United States (4)
- HIST 477 - United States Social History (4)
- HIST 478 - History of United States International Relations (4)
- HIST 479 - Constitutional History of United States (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- HIST 481 - Special Topics in the U.S. West (4)
- HIST 482A - American Popular Culture to 1900 (4)
- HIST 482B - American Popular Culture from 1900 (4)
- HIST 483 - Poverty and Anti-Poverty in American History (4)
- HIST 484 - Civil War and Reconstruction (4)
- HIST 485 - U.S. Women to 1877 (4)
- HIST 486 - U.S. Women, 1877 to the Present (4)
- HIST 487 - History of U.S. Work and Working People (4)
- HIST 488 - California (4)
- HIST 489 - Los Angeles (4)

#### Group C The Non-Western World (8 units)

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##### Africa:

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- HIST 414A - Pre-colonial Sub-Saharan Africa (4)
- HIST 414B - Modern Sub-Saharan Africa (4)
- HIST 415 - Contemporary Sub-Saharan Africa (4)

##### Asia:

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- HIST 494A - Traditional China (4)
- HIST 494B - Modern China (4)
- HIST 494C - People's Republic of China (4)
- HIST 495A - Traditional Japan (4)
- HIST 495B - Modern Japan (4)

### Latin America:

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- HIST 461 - Latin America: Colonial Period (4)
- HIST 462 - Latin America: 1810–1914 (4)
- HIST 463 - Latin America: 1914 to Present (4)
- HIST 464 - Central America Since Independence (4)
- HIST 465 - Brazil (4)
- HIST 466A - Colonial Mexico (4)
- HIST 466B - Building the Mexican Nation (4)
- HIST 466C - The Mexican Revolution and its Legacy (4)
- HIST 467 - Modern Mexico and the Chicano People (4)
- HIST 469 - Indigenous Peoples of Mexico, 1325-1910 (4)

### Middle East:

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- HIST 419 - Classical Age of Islamic Civilization, 600–1258 (4)
- HIST 420 - The Islamic Middle East: 1258-1919 (4)
- HIST 492 - Nationalism, Revolution, and War in Middle East, 1919–Present (4)

### Special Studies (12 units)

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Student must complete 4 additional units of special studies, chosen from the following: 450A, 450B, 497, 498

- HIST 450A - Research Capstone: Special Studies in Public History (4)
- HIST 450B - Research Capstone: Special Studies in History (4)

### Electives (16 units)

Select any 300 or 400 level courses in history. No more than 8 units may be taken at the 300 level for the major. With prior departmental approval, a maximum of 8 units may be taken in fields outside history.

### Teacher Preparation Option (106-108 units)

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The Teacher Preparation Option is designed for students seeking a Single Subject Credential in Social Science. Students who graduate with this option in the History major will fulfill all subject matter requirements for the Social Science Credential. Early consultation with a department advisor is strongly recommended.

The option is comprised of 34-36 required lower division units and 72 required and elective upper division units in history and other social science disciplines.

Students must earn a grade of "C" or higher in all courses that satisfy the major requirements.

### Lower Division Courses (34-36 units)

History Courses (20 units, or 18-20 units of equivalent transfer credit)

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- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)
- HIST 110C - World Civilization III (4)
- HIST 202A - United States Civilization (4)
- HIST 202B - United States Civilization (4)

Economics Courses (4 units)

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- ECON 150 - Economics for the Citizen (4)

Geography Courses (4 units)

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- GEOG 155 - Cultural Geography (4)

Political Science Courses (4 units)

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- POLS 150 - Government and American Society (4)

Religious Studies Courses (4 units)

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- PHIL 200 - Introduction to Comparative Religions (4) **also listed as**
- RELS 200 - Introduction to Comparative Religions (4)

### Upper Division Courses (72 units)

Upper division subject areas (40 units)

History Courses (12 units)

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- HIST 388 - Historiography (4)
- HIST 390 - Historical Research and Writing (4)
- HIST 488 - California (4)

Economics Courses (4 units)

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- ECON 360 - Developing Countries and the New Global Economy (4)  
or
- ECON 426 - International Political Economy (4) **also listed as**
- POLS 426 - International Political Economy (4)

Geography Courses (12 units)

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- GEOG 370 - World Regions (4)
- GEOG 451 - Historical Geography of North America (4)
  
- GEOG 431 - California (4)  
or
- GEOG 432 - Metropolitan Los Angeles (4)

Political Science Courses (8 units)

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- POLS 373 - Foundations of Comparative Politics (4)
- POLS 435 - American Political Thought (4)

Diversity Courses (4 units)

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Select one from the following:

- ANTH 406 - Indians of North America (4)
- CHS 444 - History of the Chicano People in the United States (4)
- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
- HIST 352 - Civil Rights in the United States (4)
- HIST 459 - Sexuality in the Americas (4)
  
- CHS 460 - The Chicano Movement (4) **also listed as**
- HIST 460 - The Chicano Movement (4)
  
- HIST 477 - United States Social History (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- GEOG 446 - U.S. Ethnic Communities (4)
- GEOG 476 - Urban Geography (4)
- PAS 420 - African Foundations of African American Culture (4)
  
- PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4)
  
- POLS 458 - Politics in Asian-American Immigration (4)
- SOC 460 - Race and Ethnic Relations (4)

**Upper Division History Concentration (24 units)**

Select one from each of the following six areas:

United States Periods (4 units)

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- HIST 470 - The Colonial Heritage: The United States, 1607–1763 (4)
- HIST 471 - Era of Revolution: The United States, 1763–1815 (4)
- HIST 472 - Democracy, Dissent, and Disunion: The United States, 1815–1877 (4)
- HIST 473 - The United States, 1877-1918 (4)
- HIST 474 - The United States, 1918–1952 (4)
- HIST 475 - The United States, 1952 to Present (4)

United States Topics (4 units)

---

- HIST 383 - Rise of Urban America (4)
- HIST 455 - American Religious History (4)
- HIST 457A - American Intellectual History to the Civil War (4)
- HIST 457B - American Intellectual History Since the Civil War (4)
- HIST 458 - Sickness and Health in American History (4)
- HIST 476 - Economic History of United States (4)
- HIST 478 - History of United States International Relations (4)
- HIST 479 - Constitutional History of United States (4)

- HIST 481 - Special Topics in the U.S. West (4)
- HIST 482A - American Popular Culture to 1900 (4)
- HIST 482B - American Popular Culture from 1900 (4)
- HIST 483 - Poverty and Anti-Poverty in American History (4)
- HIST 484 - Civil War and Reconstruction (4)
- HIST 485 - U.S. Women to 1877 (4)
- HIST 486 - U.S. Women, 1877 to the Present (4)
- HIST 487 - History of U.S. Work and Working People (4)
- HIST 489 - Los Angeles (4)

#### Europe Periods (4 units)

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- HIST 421 - The Early Middle Ages (4)
- HIST 422 - The Later Middle Ages (4)
- HIST 423 - Renaissance and Reformation (4)
- HIST 424 - Seventeenth Century Europe (4)
- HIST 425 - Eighteenth Century Europe (4)
- HIST 426 - French Revolution and Napoleon (4)
- HIST 429 - Europe: 1914 to Present (4)
- HIST 430 - Europe: 1815–1914 (4)

#### Europe Topics (4 units)

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- HIST 311 - Classical Civilization and the Modern World (4)
- HIST 380 - Ancient and Modern Science (4)
- HIST 401 - History of Globalization: Themes and Continuities (4)
- HIST 402 - Religion and Society in Medieval Europe (4) **also listed as**
- RELS 402 - Religion and Society in Medieval Europe (4)
- HIST 411 - History of Ancient Greece (4)
- HIST 412A - Early Rome, The Republic (4)
- HIST 412B - The Roman Empire (4)
- HIST 413 - Greek History: The Alexandrian Age (4)
- HIST 439 - Intellectual History of Europe (4)
- HIST 446 - Imperial Russia: 1801–1917 (4)
- HIST 447 - The Soviet Union (4)

#### Non-West (4 units)

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- HIST 414A - Pre-colonial Sub-Saharan Africa (4)
- HIST 414B - Modern Sub-Saharan Africa (4)
- HIST 418 - History of Islamic Central Asia (4)
- HIST 419 - Classical Age of Islamic Civilization, 600–1258 (4)
- HIST 420 - The Islamic Middle East: 1258-1919 (4)
- HIST 492 - Nationalism, Revolution, and War in Middle East, 1919–Present (4)
- HIST 461 - Latin America: Colonial Period (4)
- HIST 462 - Latin America: 1810–1914 (4)
- HIST 463 - Latin America: 1914 to Present (4)
- HIST 494A - Traditional China (4)
- HIST 494B - Modern China (4)
- HIST 494C - People's Republic of China (4)
- HIST 495A - Traditional Japan (4)
- HIST 495B - Modern Japan (4)

#### Proseminar (4 units)

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- HIST 450B - Research Capstone: Special Studies in History (4)

#### Required Courses in Pedagogy (8 units)

##### Field Experience (4)

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- HIST 300 - Early Field Experience in History-Social Science Education (4)

##### Capstone Course (4 units)

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- HIST 498 - Issues in Teaching History-Social Science (4)

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## History Minor

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The minor in History is available for students majoring in other fields. The 36-unit program includes a sequence of courses with the same general objectives as the History major, and may be of particular value to students majoring in business, engineering, the sciences, and fine or applied arts.

### Requirements for the Minor (36 units)

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#### Lower Division Required Courses (20 units)

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- HIST 110A - World Civilization I (4)
- HIST 110B - World Civilization II (4)
- HIST 110C - World Civilization III (4)
- HIST 202A - United States Civilization (4)
- HIST 202B - United States Civilization (4)

#### Upper Division Required Courses (12 units)

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Select one course each from groups A, B, and C listed under required upper division courses in the Bachelor of Arts degree in History.

#### Electives (4 units)

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Select any 400-level course in history.

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## Labor and Working Class Studies Minor



The Labor and Working Class Studies minor provides students with an interdisciplinary approach to the study of labor and working class issues in an increasingly globalized economy. By drawing on the expertise of faculty from across the campus, this minor will enable students to approach the subject from a variety of intellectual and methodological traditions, providing a multifaceted understanding of labor and working class issues.

### Requirements for the Minor (28)

A maximum of 12 units can be taken in any one discipline.

#### Required Course (4 units)\*

*\*Students without a social science background are required to take SOCS 180 "Race and Ethnicity in America Society" or its equivalent.*

- HIST 487 - History of U.S. Work and Working People (4)

#### Electives (24 units)

8 units should be chosen from each of the three areas.

##### Area 1: Labor and Working Class Issues in the United States

- ECON 350 - Economics of Poverty and Inequality in the U.S. (4)
- CHS 460 - The Chicano Movement (4) **also listed as**
- HIST 460 - The Chicano Movement (4)
- HIST 476 - Economic History of United States (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- HIST 482B - American Popular Culture from 1900 (4)
- LBS 454 - Selected Topics in Liberal Studies (1-4) (When Immigrant Los Angeles or when focus is on labor/working class topics)
- PAS 402 - Black Political Economy (4)
- SW 454 - Selected Topics in Social Work (1-6) (when focus is on labor/working class topics)
- SOC 348 - Class, Race/Ethnicity, and Gender (4)
- SOC 448 - Social Class and Inequality (4)

##### Area 2: Labor-Management Relations

- ECON 430 - Labor Economics (4)
- ECON 472 - Labor Relations and Collective Bargaining (4)
- MGMT 307 - Management and Organizational Behavior (4)
- MGMT 473 - Strategic Human Resource Management (4)
- SOC 446 - Sociology of Business Organizations (4)
- SOC 447 - Work and the Workplace (4)

##### Area 3: International Perspectives on Labor and Working Class Issues

- ANTH 432 - Anthropology of Wealth and Power (4)
- CHS 468 - U.S.-Mexico Borderlands (4)
- LAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4)
- LAS 425 - Latin American Responses to Imperialism and Globalization (4)
- LAS 470 - Labor and Social Movements in the Americas (4)
- HIST 360 - Revolution and Society in Developing Countries (4)
- POLS 426 - International Political Economy (4) **also listed as**
- ECON 426 - International Political Economy (4)



## Religious Studies Minor



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For the minor in Religious Studies, students must complete a total of 24 units from the courses listed below, with adviser approval. There is one core course (4 units); electives, required in Religious Studies and other departments, constitute the remainder of the program (20 units). Prior approval must be obtained for enrollment in special topics and directed study courses. Each student will submit a study program for approval to the director of the Religious Studies program. A maximum of eight units from a student's major may be applied toward the minor.

### Requirements for the Minor (24 units)

#### Core Requirement (4 units)

- RELS 200 - Introduction to Comparative Religions (4) **also listed as**
- PHIL 200 - Introduction to Comparative Religions (4)

#### Electives (20 units)

##### Required in Religious Studies (12-20 units).

Students must complete at least 12 units from these courses.

- RELS 300 - Judaism, Christianity, Islam (4)
- RELS 325 - Themes of Adult Life in the World's Religions (4)
- RELS 335 - Gender in the Diversity of World Religions (4)
- RELS 345 - Health and Wellness in World Religions (4)
- RELS 380 - Emotion in Religion (4)
- RELS 400 - Methodological Approaches to Comparative Religious Studies (4)
- RELS 402 - Religion and Society in Medieval Europe (4) **also listed as**
- HIST 402 - Religion and Society in Medieval Europe (4)
- RELS 423 - Migration, Identity, and Religion (4) **also listed as**
- CHS 423 - Migration, Identity, and Religion (4) **also listed as**
- LAS 423 - Migration, Identity, and Religion (4)
- RELS 410 - Asian Religions (4)
- RELS 430 - Spiritual Experiences and Mysticism in World Religions (4)
- RELS 454 - Special Topics in Religious Studies (4)
- RELS 455 - American Religious History (4) **also listed as**
- HIST 455 - American Religious History (4)
- RELS 461 - Religion and the Nuclear Age (4)
- RELS 499 - Undergraduate Directed Study (1-4) (4)

You may also select courses from the following list with adviser approval, for up to 8 units.

*\*When applicable*

- ANTH 437 - Magic, Witchcraft, and Religion (4)
- ANTH 454L - Special Topics in Anthropology (1-6)
- ANTH 454P - Special Topics in Anthropology (1-6)
- ART 454L,P - Special Topics in Art (1-4)
- ART 476 - Early Christian and Byzantine Art (4)
- ART 499 - Undergraduate Directed Study (1-3) \*
- ENGL 258 - Mythology in Literature (4)
- ENGL 482 - The Bible as Literature: Old and New Testaments (4)
- ENGL 499 - Undergraduate Directed Study (4) \*
- SOC 445 - Sociology of Religion (4)
- SOC 454 - Selected Topics in Sociology (1-6) \*
- SOC 499 - Undergraduate Directed Study (1-4) \*
- HIST 401 - History of Globalization: Themes and Continuities (4)
- HIST 419 - Classical Age of Islamic Civilization, 600-1258 (4)
- HIST 423 - Renaissance and Reformation (4)
- HIST 450B - Research Capstone: Special Studies in History (4) \*
- HIST 451 - Special Lectures in History (2-4) \*
- HIST 455 - American Religious History (4)

- HIST 457A - American Intellectual History to the Civil War (4)
- HIST 494A - Traditional China (4)
- HIST 495A - Traditional Japan (4)
- HIST 499 - Undergraduate Directed Study (1-4) \*
- JAPN 310 - Japanese Civilization to 1600 (4)
- PHIL 354 - Special Topics in Philosophy (1-6) \*
- PHIL 415 - Philosophy of Religion (4)
- PHIL 436 - South Asian Philosophy (4)
- PHIL 437 - East Asian Philosophy (4)
- PHIL 499 - Undergraduate Directed Study (1-4) \*



## History, M.A.



The Master of Arts degree in History is designed for the attainment of a liberal-arts education appropriate to careers in such professions as law, journalism, business, government service, and librarianship, as well as preparation for teaching and further graduate study.

The program requires intensive study involving courses, seminars, and directed reading in preparation for comprehensive examinations and an optional thesis. Students should obtain reading lists well before the examination from the examining faculty member in each field.

### Admission to the Program

Application must be made both to the Department of History and the University. See [www.csumentor.edu](http://www.csumentor.edu) for admission materials and submission of application. See department office or website (<http://www.calstatela.edu/academic/history>) for department application material. Please note that acceptance into the university does not guarantee admittance to the department.

### Departmental Admission Requirements

All applicants must submit two letters of recommendation. At least one letter must come from a professor or an individual capable of evaluating the applicant's qualifications for graduate study.

All applicants must also submit a statement of purpose essay, 500-750 words in length, stating the applicant's purpose in applying for graduate study, any special areas of interest, plans for future occupation or profession and any additional information that may aid the selection committee in evaluating the applicant's preparation and aptitude for graduate study at CSULA.

Applications will be considered for fall or spring admissions only. Students seeking admission to the program effective fall quarter must apply to the department by the preceding May 15. Those seeking application for the spring quarter must apply by the preceding November 15. Late applications will be considered on a space available basis.

Admission to the department will be based on evaluation of the letters of recommendation and statement of purpose, as well as the following requirements:

#### I. Additional admission requirements for applicants with history major baccalaureates.

- A. In addition to university requirements for admission to graduate study, to be considered for departmental admission, applicants must have a grade point average in the last 90 quarter (60 semester) units of 3.00 or better. Applicants with GPAs between 2.75 and 3.00 may be admitted at the discretion of the department's graduate admissions committee after completing prerequisite or qualifying courses, if necessary, with a minimum 3.0 grade point average.
- B. Applicants who have not passed HIST 388 and HIST 390 or their equivalent in another accredited college or university will be required to complete those classes with a minimum grade of b (3.0) prior to admittance.

#### II. Additional admission requirements for applicants with a baccalaureate in a major other than history.

- A. In addition to university requirements for admission to graduate study, to be considered for departmental admission applicants must have a grade point average in the last 90 quarter (60 semester) units of 3.0 or better in the coursework of their major field. Applicants with GPAs between 2.75 and 3.00 may be admitted at the discretion of the department's graduate admissions committee after completing prerequisite or qualifying courses, if necessary, with a minimum 3.0 grade point average.
- B. Applicants with a baccalaureate in a major other than history must also complete 20-28 units of approved upperdivision history courses with a minimum b (3.0) average, including HIST 388 and HIST 390, before admission into the program.

## Foreign Languages

Students writing a thesis, particularly in a non-U.S. field, may be required to have competency in one or more foreign languages to complete the thesis. The history department strongly recommends that all its M.A. students learn a foreign language, especially those planning to pursue a PhD. Such students should speak with their field advisors as early as possible about foreign language competency requirements for PhD. Programs.

### Requirements for the Degree (48-52 units)

A minimum of 48 or 52 units are required, depending on whether the program is completed by comprehensive examinations or a Thesis. At least 28

units must be in 500-level courses.

### **Required Courses (28 units)**

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Select seven 500-level history courses, with adviser approval, for a total of 28 units. HIST 501 and 595 are required of all students, and are included in the seven required 500-level history courses.

### **Electives (20 units)**

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Select 400 or 500-level courses in history with adviser approval. Courses outside history may be substituted to maximum of 8 units, with adviser approval.

## **Completion of Program**

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Students may complete the program either by passing comprehensive examinations or by writing a thesis with the approval of the department Graduate Studies Committee.

### **1. Comprehensive Examinations (0 units)**

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Comprehensive examinations must be passed in three fields chosen from two or more areas listed below. Flexibility for options can be arranged. Students may register for HIST 596 and take the comprehensive examinations only after they complete all course work in their program.

#### **Fields of Concentration:**

##### Area One:

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United States to 1876  
United States since 1850

##### Area Two:

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Antiquity  
Medieval and early modern Europe  
Modern: 1789–present

##### Area Three:

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Middle East  
Asia  
Africa  
Early Latin America  
National Latin America

### **2. Thesis (8 units)**

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Students must complete 28 units before formally beginning the Thesis Option. Students must maintain at least a 3.5 GPA in these 28 units, 16 of which must be 500-level seminars.

The thesis (HIST 599) will substitute for 4 units of the 20 unit elective requirement. Thesis students will register for 8 units of HIST 599, for a program total of 52 units.

## History Teaching Credential Program

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The Bachelor of Arts degree in History: Teacher Preparation Option has been approved by the California Commission on Teacher Credentialing for the Single Subject Credential in Social Science. Interested students should consult advisers in the department of History and in the Charter College of Education. Refer to the Charter College of Education section for regulations governing all teaching credential programs.

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## Department of Mathematics

### DEPARTMENT OFFICE

Simpson Tower F206

Phone: (323) 343-2150

E-mail: [math@calstatela.edu](mailto:math@calstatela.edu)

Website: [www.calstatela.edu/academic/math/](http://www.calstatela.edu/academic/math/)

The Department of Mathematics offers undergraduate programs leading to the Bachelor of Arts and Bachelor of Science in Mathematics, both with several options. Programs in the department allow preparation for graduate study and professional careers in a variety of directions.

The Department also offers a Master of Science degree program in Mathematics.

## The Faculty

**Professors:** Vladimir N. Akis, Gerald Beer, Derek K. Chang, Grant A. Fraser, Shirley B. Gray, Silvia P. Heubach (*Chair*), Michael J. Hoffman, Daphne Liu, Hrushikesh N. Mhaskar, Nguyen Uy.

**Associate Professors:** Gary Brookfield, Randolph Cooper, Borislava Gutarts, Michael Krebs, Debasree Raychaudhuri.

**Assistant Professors:** Melisa Hendrata, Anthony Shaheen.

**Emeriti:** Butrus G. Basmaji, Wayne W. Bishop, Marshall L. Cates, Paul L. Chabot, John H. De Hardt, Evelyn B. Granville, Harry S. Hayashi, Nandlal Jhunjhunwala, Richard Katz, Donald I. Kiel, Grigori Kolesnik, Jagdish Prasad, Pudukkottai Subramanian, Robert Tamaki, Stewart M. Venit, Andrei Verona.

## Bachelor's Degrees

Two baccalaureates in mathematics are offered. A major in mathematics prepares students to teach in secondary schools, work as research assistants in industry and government, or enter graduate school to prepare for positions in higher education, industry, and government.

The Bachelor of Arts or Bachelor of Science degree may be obtained in four years if adequate preparation has been secured in high school, e.g., algebra (2 years), geometry, and trigonometry. Students who have not had this preparation or whose command of these subjects is weak may be advised to strengthen their knowledge before attempting college mathematics.

For each degree, a minimum C (2.0) grade point average is required in all upper division courses included in the major.

Students in the Single Subject Teaching Option (Option III) as well as the Single Subject Blended Teaching Option (Option IV) must earn a grade of C or higher in all courses required for the major to qualify for the subject matter waiver. In addition, they must maintain a GPA of 2.75 or better in the last 90 quarter units. Students in the Blended Option must maintain at least a 3.00 GPA in all professional education courses.

Students should speak with a mathematics adviser before choosing an option.

## Programs for this Department:

### Undergraduate Major

- Mathematics, B.A.
- Mathematics, B.S.

### Undergraduate Minor

- Mathematics Minor

### Graduate Major

- Mathematics, M.S.

### Credential

- Subject Matter Waiver Programs in Mathematics
-

# Mathematics, B.A.

The Bachelor of Arts in Mathematics degree curriculum prepares students for positions in education, business, industry, or government, as well as for graduate work in mathematics.

The total number of units required for the Bachelor of Arts degree in Mathematics is 180-200 units, of which 87- 132 units are in the major depending on the option selected. Consult with an adviser for the specific number of units required in all areas of the degree including GE and free electives.

## Basic Subjects (16 units)

Block A3 may be met by PHIL 250 which is double counted as part of the electives in related areas in Options I, II, and III.

Block A4 is met within the required core courses.

### Natural Sciences (8 units)

Block B2 is met by required core courses.

### Social Sciences (12 units)

Blended option: select PSY 150 and 8 additional units from two disciplines other than psychology in the block D course listings.

## Required Core Courses for the Major (87–132 units)

### Major Core (55-56)

#### Lower Division Required Courses (37-38 units)

- MATH 210 - Introduction to Computer Algebra Systems (4) **or**
- CS 201 - Introduction to Programming (5) **(for Options I, II, and III only)**
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 248 - Discrete Mathematics (4)
- MATH 255 - Introduction to Matrix Theory (4)
- MATH 274 - Introduction to Statistics (4)
- PHYS 211 - Mechanics (5)

#### Upper Division Required Courses (18 units)

- MATH 325 - Mathematical Notation and Proof (4)
- MATH 390 - Technical Writing in Mathematics (2)
- MATH 455 - Modern Algebra I (4)
- MATH 465 - Advanced Calculus I (4)
- MATH 490 - Senior Seminar in Mathematics (4)

## Option Requirements

### I. Option in General Mathematics (32 units)

This option incorporates both pure and applied math courses to prepare students for graduate work in mathematics.

#### Required Courses (16 units)

- MATH 420 - Mathematical Logic (4) **or**
- MATH 430 - Modern Geometry (4) **or**
- MATH 446 - Theory of Numbers (4) **or**
- MATH 484 - Graph Theory (4)
  
- MATH 456 - Modern Algebra II (4) **or**
- MATH 457 - Linear Algebra (4)

- MATH 463 - Introduction to Complex Analysis (4) **or**
- MATH 466 - Advanced Calculus II (4) **or**
- MATH 467 - Advanced Calculus III (4)
- MATH 470 - Numerical Analysis I (4) **or**
- MATH 472 - Linear Programming (4) **or**
- MATH 474 - Theory of Probability (4)

#### **Electives in Related Areas (8 units)**

Select 8 units of courses in related areas that utilize mathematics with adviser approval. (A list of recommended courses is posted on department website).

#### **Upper Division Electives (8 units)**

Select an additional 8 units in mathematics or computer science with adviser approval.

## **II. Option in Pure Mathematics (32 units)**

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This option emphasizes the core theory of mathematics and is recommended for students who are contemplating doctoral studies.

#### **Required Courses (24 units)**

- MATH 446 - Theory of Numbers (4)
- MATH 456 - Modern Algebra II (4)
- MATH 457 - Linear Algebra (4)
- MATH 463 - Introduction to Complex Analysis (4)
- MATH 466 - Advanced Calculus II (4)
- MATH 420 - Mathematical Logic (4) **or**
- MATH 430 - Modern Geometry (4) **or**
- MATH 435 - Topology (4) **or**
- MATH 467 - Advanced Calculus III (4) **or**
- MATH 484 - Graph Theory (4)

#### **Electives in related areas (8 units)**

Select 8 units of courses in related areas that utilize mathematics with adviser approval. (A list of recommended courses is posted on department website).

## **III. Single Subject Teaching Option (38 units)**

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In order to obtain a Single Subject Teaching Credential in Mathematics, students must complete the Subject Matter Certification requirement and required professional education coursework (see Option IV for a list of these classes). Option III satisfies only subject matter requirements while Option IV satisfies both subject matter requirement and required professional education coursework.

For the required professional education coursework students should consult the Charter College of Education for credential requirements at least two quarters prior to graduation. Students should also consult the mathematics department credential advisor prior to taking MATH 350.

#### **Required Courses (22 units)**

- MATH 320 - Selected Topics in History of Mathematics (4)
- MATH 350 - Tutoring Experience for Prospective Teachers (2) **(4 units required)**
- MATH 395 - Classroom Experiences in Teaching High School Mathematics (2)
- MATH 430 - Modern Geometry (4)
- MATH 446 - Theory of Numbers (4)
- MATH 474 - Theory of Probability (4)

#### **Electives in Related Areas (8 units)**

Select 8 units of courses in related areas that utilize mathematics with adviser approval. (A list of recommended courses is posted on department website).

#### **Upper Division Electives (8 units)**

Select an additional 8 units in mathematics or computer science with adviser approval.

## **IV. Single Subject Teaching Blended Option (77 units)**

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In order to obtain a Single Subject Teaching Credential in Mathematics, students must complete the Subject Matter Certification requirement and the required professional education coursework. This option satisfies **both** the subject matter requirement for mathematics **and** the professional education requirement for a California Single Subject Teaching Credential in Mathematics. This blended degree is designed to be obtained in four years (200 units) for a college-ready student.

Students should consult the Math Department credential advisor **no later than their second year in the program** regarding the professional education courses and prior to enrollment in MATH 350.

#### **Mathematics Required Courses (22 units)**

- MATH 320 - Selected Topics in History of Mathematics (4)
- MATH 350 - Tutoring Experience for Prospective Teachers (2) **(4 units required)**
- MATH 395 - Classroom Experiences in Teaching High School Mathematics (2)
- MATH 430 - Modern Geometry (4)
- MATH 446 - Theory of Numbers (4)
- MATH 474 - Theory of Probability (4)

#### Upper Division Electives (4 units)

Select one course in mathematics with adviser approval.

#### Professional Education Required Courses (51 units)

- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)
- PH 457 - Health Education for Elementary School Teachers (1)
- EDFN 420 - Introduction to Foundations of Urban Learning (2)
- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDSE 421M - Instructional Methods for Secondary School Subjects - Mathematics (3–4 each) **(4 units required)**
- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSE 445A - Proseminar: Learning Environments and Instruction in Secondary Schools (4)
- EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture (4)
- EDSE 445C - Directed Teaching in Secondary Schools (10)
- EDSE 490 - Problems in Secondary Education (2–5) **(4 units required)**
- EDSP 400 - Foundations of Special Education (4)

# Mathematics, B.S.

The Bachelor of Science degree curriculum is designed to prepare students for positions in business, industry, or government, as well as for graduate work in mathematics. (See Undergraduate Studies: General Information, especially the General Education section for information on requirements beyond those in the major.)

The total number of units required for the Bachelor of Science degree in Mathematics is 180 units, of which 101-108 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

The following lists the modifications to the General GE Requirements for math majors.

## Requirements for the Major (101-108 units)

### Required Major Core (69-70)

#### Lower Division Required Courses (51-52 units)

- CS 201 - Introduction to Programming (5)
- MATH 210 - Introduction to Computer Algebra Systems (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)
- MATH 248 - Discrete Mathematics (4)
- MATH 255 - Introduction to Matrix Theory (4)
- MATH 274 - Introduction to Statistics (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)

#### Upper Division Required Courses (18 units)

- MATH 325 - Mathematical Notation and Proof (4)
- MATH 390 - Technical Writing in Mathematics (2)
- MATH 455 - Modern Algebra I (4)
- MATH 465 - Advanced Calculus I (4)
- MATH 490 - Senior Seminar in Mathematics (4)

## Options Requirements

In addition to the major core requirements students must select one of the following options.

- I. Option in General Mathematics
- II. Option in Pure Mathematics
- III. Option in Applied Mathematics
- IV. Option in Applied Mathematics/Computer Science
- V. Single Subject Teaching Option

### I. Option in General Mathematics (32 units)

This option incorporates both pure and applied math courses to prepare students for graduate work in mathematics.

#### Required Courses (16 units)

- MATH 420 - Mathematical Logic (4)  
or
- MATH 430 - Modern Geometry (4)  
or
- MATH 446 - Theory of Numbers (4)
- MATH 456 - Modern Algebra II (4)  
or



- MATH 457 - Linear Algebra (4)
- MATH 463 - Introduction to Complex Analysis (4)  
or
- MATH 466 - Advanced Calculus II (4)  
or
- MATH 467 - Advanced Calculus III (4)
- MATH 470 - Numerical Analysis I (4)  
or
- MATH 472 - Linear Programming (4)  
or
- MATH 474 - Theory of Probability (4)

**Electives (8 units)**

Select from lower division natural science or engineering courses.

**Upper Division Electives (8 units)**

Select an additional 8 units in mathematics or computer science with adviser approval.

**II. Option in Pure Mathematics (32 units)**

---

This option emphasizes the core theory of mathematics and is recommended for students who are contemplating doctoral studies.

**Required Courses (24 units)**

- MATH 446 - Theory of Numbers (4)
- MATH 456 - Modern Algebra II (4)
- MATH 457 - Linear Algebra (4)
- MATH 463 - Introduction to Complex Analysis (4)
- MATH 466 - Advanced Calculus II (4)
- MATH 420 - Mathematical Logic (4)  
or
- MATH 430 - Modern Geometry (4)  
or
- MATH 435 - Topology (4)  
or
- MATH 467 - Advanced Calculus III (4)

**Electives in the Related Areas (8 units)**

Select from natural science or engineering courses.

**III. Option in Applied Mathematics (32 units)**

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This option prepares students for graduate work in applied mathematics or work in the industry.

**Required Courses (20 units)**

- MATH 457 - Linear Algebra (4)
- MATH 410 - Vector Analysis (4)  
or
- MATH 467 - Advanced Calculus III (4)
- MATH 463 - Introduction to Complex Analysis (4)
- MATH 470 - Numerical Analysis I (4)  
or
- MATH 472 - Linear Programming (4)
- MATH 474 - Theory of Probability (4)

**Electives in the Related Areas (8 units)**

Select from natural science or engineering courses.

**Upper Division Electives (4 units)**

Select one upper division course in mathematics or computer science with adviser approval. The following are strongly recommended:

- MATH 401 - Differential Equations (4)
- MATH 403 - Partial Differential Equations (4)
- MATH 475 - Introduction to Mathematical Statistics (4)
- MATH 484 - Graph Theory (4)

**IV. Option in Applied Mathematics/Computer Science (32 units)**

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This option is intended for those with interests in both Mathematics and Computer Science.

#### Required Courses (16 units)

- CS 312 - Data Structures and Algorithms (4)  
*Select 3 courses from:*
- MATH 410 - Vector Analysis (4)
- MATH 457 - Linear Algebra (4)
- MATH 470 - Numerical Analysis I (4)
- MATH 472 - Linear Programming (4)
- MATH 474 - Theory of Probability (4)

#### Electives in Related Areas (8 units)

Select from natural science or engineering courses.

#### Upper Division Electives (8 units)

Select an additional 8 units of upper division courses in mathematics or computer science with adviser approval. At least 4 units must be in computer science.

### V. Single Subject Teaching Option (38 units)

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In order to obtain a Single Subject Teaching Credential in Mathematics, students must complete the subject matter certification requirement and required professional education coursework (see Option IV for a list of these classes). Option V satisfies only subject matter requirements while BA Option IV satisfies both subject matter requirement and required professional education coursework.

For the required professional education coursework students should consult the Charter College of Education for credential requirements at least two quarters prior to graduation. Students should also consult the Mathematics Department credential advisor prior to taking MATH 350.

#### Required Courses (22 units)

- MATH 320 - Selected Topics in History of Mathematics (4)
- MATH 350 - Tutoring Experience for Prospective Teachers (2) **(4 units total)**
- MATH 395 - Classroom Experiences in Teaching High School Mathematics (2)
- MATH 430 - Modern Geometry (4)
- MATH 446 - Theory of Numbers (4)
- MATH 474 - Theory of Probability (4)

#### Electives in Related Areas (8 units)

Select from natural science or engineering courses.

#### Upper Division Electives (8 units)

Select an additional 8 units in mathematics or computer science with adviser approval.

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## Mathematics Minor

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The Mathematics minor, available for students majoring in other fields, consists of 32 units, of which 12 are upper division. Students majoring in fields that require the same courses as those required for the minor in Mathematics need take only those courses in the minor program that are not incorporated into their major.

### Requirements for the Minor (32 units)

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#### Lower Division Required Courses (20 units)

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- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 255 - Introduction to Matrix Theory (4)

#### Upper Division Electives (12 units)

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Select three upper division mathematics courses, with adviser approval.

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## Mathematics, M.S.

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The Master of Science degree in Mathematics is offered in two options. Option 1 is a flexible program that can be concentrated on pure mathematics or incorporate elements of both pure and applied mathematics. Option 2 emphasizes applied mathematics. Both options prepare the student for higher mathematical work in industry, business, or government, for teaching in a community college, and for further graduate work in the respective areas.

### Admission to the Program

Admission to the University is governed by general University requirements. For admission to the MS degree program, the candidate's preparation should be substantially equivalent to that required for a Cal State L.A. Bachelor's degree in Mathematics.

#### Requirements for the Degree (minimum 45 units)

A minimum of 45 units is required, with at least 23 units in 500-level courses. Students must successfully complete either comprehensive examinations or a thesis in addition to course requirements.

#### Comprehensive Examination or Thesis (0, 1–4 units)

- MATH 596 - Comprehensive Examination (0)  
or
- MATH 599 - Thesis (1–4)

##### A. Comprehensive Examination

Option 1: Students must pass two of the following three exams:

- Abstract Algebra
- Complex Analysis
- Topology

Option 2: Students must pass two of the following three exams:

- Applied linear analysis
- Complex analysis
- Numerical analysis.

##### Note:

Students should expect to take the comprehensive examinations (MATH 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

##### B. Thesis

Subject to approval by the graduate adviser, students may be permitted to do directed research with a faculty member and write a thesis in lieu of taking comprehensive examinations.

### Options

- General Mathematics
- Applied Mathematics

#### Option 1: General Mathematics (45 units)

##### Required Courses (25 -28 units)

- MATH 530 - Topology (4)
- MATH 540A - Abstract Algebra I (4)

- MATH 540B - Abstract Algebra II (4)
- MATH 562 - Advanced Complex Analysis (4)
- MATH 580 - Real Analysis (4)
- **or**
- MATH 502A - Applied Linear Analysis (4)
- MATH 550 - Seminar: Algebra (4)
- **or**
- MATH 551 - Seminar: Analysis (4)
- **or**
- MATH 552 - Seminar: Topology and Geometry (4)
- **or**
- MATH 553 - Seminar: Applied Mathematics (4)
- MATH 559 - Mathematical Exposition (2)
- **or**
- MATH 599 - Thesis (1–4)

Electives (17-20 units)

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Select from 400 and 500-level Math courses. With graduate adviser approval, 8 units may be taken in related areas.

## Option 2: Applied Mathematics (45 units)

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### Required Courses (25-28 units)

- MATH 502A - Applied Linear Analysis (4)
- MATH 502B - Applied Linear Analysis (4)
- MATH 570 - Numerical Linear Algebra (4)
- MATH 571 - Numerical Solutions of Partial Differential Equations (4)
- MATH 562 - Advanced Complex Analysis (4)
- MATH 521 - Mathematical Modeling (4)
- **or**
- MATH 522 - Optimization (4)
- MATH 559 - Mathematical Exposition (2)
- **or**
- MATH 599 - Thesis (1–4)

### Electives (17-20 units)

Select from 400 and 500-level math courses. With graduate adviser approval, 8 units may be taken in related areas.

## Subject Matter Waiver Programs in Mathematics

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The Single Subject Matter Waiver Program in Mathematics, the foundational level Subject Matter Waiver Program in Mathematics, as well as the Subject Matter Authorization in Mathematics listed below have been approved by the California Commission on Teacher Credentialing. In addition to consulting the credential adviser for mathematics, students should consult advisers in the Charter College of Education and refer to the Charter College of Education section of the Academic Programs: College-Based and University-Wide chapter of this catalog for regulations governing all teaching credential programs.

Students planning to complete a Bachelor's degree in Mathematics with the goal of a teaching credential in mathematics should follow the course listings for the B.A. or B.S. Mathematics and select either the Single Subject Credential or Blended Teaching option. Others who have already earned or are currently pursuing a baccalaureate in another discipline must pass either the appropriate subject examination (CSET Mathematics I-III) or complete the approved program of course work listed below to complete the Subject Matter program in Mathematics.

**Note: Students in these programs must earn a grade C or higher in all courses listed.**

### Subject Matter Waiver Program for Single Subject Credential in Mathematics (85-86 units)

The Single Subject Matter Program listed below has been approved by the California Commission on Teacher Credentialing for the Single Subject Credential in Mathematics. The coursework prepares candidates to teach high school mathematics including general mathematics, algebra, geometry, probability and statistics, consumer mathematics, calculus and math analysis.

**Note: It is assumed that students entering this program have completed the equivalent of CSULA's precalculus sequence (MATH 104A and MATH 104B). Competence in MATH 104A and MATH 104B can also be shown by passing the respective departmental exit exams.**

#### Required Courses (77-78 units)

- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 248 - Discrete Mathematics (4)
- MATH 255 - Introduction to Matrix Theory (4)
- MATH 274 - Introduction to Statistics (4)
- MATH 320 - Selected Topics in History of Mathematics (4)
- MATH 325 - Mathematical Notation and Proof (4)
- MATH 350 - Tutoring Experience for Prospective Teachers (2) (2) (2)
- MATH 390 - Technical Writing in Mathematics (2)
- MATH 395 - Classroom Experiences in Teaching High School Mathematics (2)
- MATH 430 - Modern Geometry (4)
- MATH 446 - Theory of Numbers (4)
- MATH 455 - Modern Algebra I (4)
- MATH 465 - Advanced Calculus I (4)
- MATH 474 - Theory of Probability (4)
- MATH 490 - Senior Seminar in Mathematics (4)
- CS 201 - Introduction to Programming (5)
- or
- MATH 210 - Introduction to Computer Algebra Systems (4)
- PHYS 211 - Mechanics (5)

#### Electives (minimum 8 units)

Select from among the following or other appropriate courses in mathematics or related areas with adviser approval and attention to prerequisites.

*Strongly Recommended: MATH 310; MATH 466 for those who may be teaching Advanced Placement calculus classes.*

- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 480 - Modeling Biological Systems (4)
- CE 202 - Plane Surveying (4)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- CHEM 401 - Physical Chemistry I (4)

- CHEM 402 - Physical Chemistry II (4)
- CS 312 - Data Structures and Algorithms (4)
- CS 386 - Introduction to Automata Theory (4)
- ECON 309 - Applied Business and Economic Statistics II (4)
- ECON 391 - Quantitative Methods for Business Decisions (4)
- ECON 401 - Mathematical Economics (4)
- ECON 403 - Macroeconomics (4)
- ECON 410 - Microeconomics (4)
- ECON 414 - Econometrics I (4)
- ECON 415 - Applied Economic and Business Forecasting (4)
- ECON 416 - Econometrics II (4)
- EE 244 - Digital Engineering (4)
- EE 332 - Systems Analysis (4)
- EE 334 - Probability and Random Processes (4)
- MATH 215 - Differential Equations (4) upper division mathematics courses with advisor approval
- ME 303 - Fluid Mechanics I (4)
- ME 306 - Heat Transfer I (4)
- ME 326A - Thermodynamics I (4)
- PHIL 250 - Introduction to Symbolic Logic (4)
- PHIL 404 - Inductive Logic (4)
- PHIL 405 - Symbolic Logic (4)
- PHIL 406 - Advanced Logic (4)
- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- PHYS 410A - Mathematical Methods of Physics (4)
- PHYS 410B - Mathematical Methods of Physics (4)
- PHYS 427 - Thermodynamics (4)
- PHYS 428 - Statistical Physics (3)
- PHYS 432A - Introductory Quantum Mechanics (3)
- PHYS 432B - Introductory Quantum Mechanics (3)
- PHYS 488 - Modern Topics in General Relativity (3)

## **Subject Matter Waiver Program for Foundational Level Credential in Mathematics (48-49 units)**

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The Foundational Level Subject Matter Program listed below has been approved by the California Commission on Teacher Credentialing for the Foundational Level Credential in Mathematics. The coursework prepares candidates to teach middle school mathematics and some high school mathematics including general mathematics, algebra, geometry, probability and statistics, and consumer mathematics.

### **Required Courses (44 units)**

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- MATH 104A - Precalculus: Algebra (4)
- MATH 104B - Precalculus: Trigonometry (4)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 210 - Introduction to Computer Algebra Systems (4)
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- MATH 248 - Discrete Mathematics (4)
- MATH 253 - Foundations of Mathematical Structures for Teachers (4)
- MATH 274 - Introduction to Statistics (4)
- MATH 320 - Selected Topics in History of Mathematics (4)

### **Elective Courses (Minimum 4 units)**

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Select from among the following with attention to prerequisites.

- CHEM 101† - General Chemistry I (5)
- CS 242 - C Programming (4)
- ECON 209 - Applied Business and Economic Statistics I (4)
- EE 244 - Digital Engineering (4)
- MATH 105 - Introduction to Mathematical Models in Biology (4)
- ME 101 - Mechanical Energy Production, Transmission, and Utilization (4)
- PHIL 250 - Introduction to Symbolic Logic (4)
- PHYS 211 - Mechanics (5)

## **Subject Matter Authorization in Introductory Mathematics for Single or Multiple Subject Teaching Credential (48 units)**

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Holders of a Single or Multiple Subject Teaching Credential issued by the California Commission on Teacher Credentialing (CCTC) may add a Subject Matter Authorization in Introductory Mathematics. This allows the holder of the Subject Matter Authorization to teach mathematics curriculum usually taught in grades 9 and below (even though the students may be in grades K-12).

To obtain a Subject Matter Authorization in Introductory Mathematics (which satisfies the federal “No Child Left Behind” (NCLB) regulation), a total of 48 quarter units (=32 semester units) of course work applicable toward a bachelor’s degree must be completed with a grade of C or better. A minimum of 4 quarter units of course work must be completed in each of the following core areas: Algebra; Advanced Algebra; Geometry; Probability or Statistics; and Development of the Real Number System or Introduction to Mathematics.

The core courses in the program below have been designed for students who have not taken any college level mathematics course. Students

placing into a mathematics course at a level beyond MATH 102 or MATH 104A should consult with the credential adviser in mathematics to select a different set of core courses. Additional information is available by downloading the CCTC guide for subject matter authorization ([www.ctc.ca.gov/credentials/manualshandbooks/subjectmatter-auth.pdf](http://www.ctc.ca.gov/credentials/manualshandbooks/subjectmatter-auth.pdf)) or through the credential adviser for mathematics. For other requirements governing issuance of this authorization, consult the Charter College of Education.

### Complete 48 units of Coursework:

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The following five recommended core courses will satisfy the core area requirements. Alternative sets of course work may also be used to meet the core area requirements. Proper academic advisement is essential prior to the start of this authorization program.

#### Core Courses

- MATH 102 - College Algebra (4)
- MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers (4)
- MATH 104B - Precalculus: Trigonometry (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 274 - Introduction to Statistics (4)

#### Elective Courses

Select courses as needed to reach a total of 48 units of coursework. MATH 248 and MATH 225 are highly recommended.

- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4) \*
- MATH 209 - Calculus IV: Several Variables (4) \*\*
- MATH 215 - Differential Equations (4) \*\*\*
- MATH 225 - Explorations in Geometry for Elementary and Middle School teachers (4)
- MATH 248 - Discrete Mathematics (4) \*
- MATH 255 - Introduction to Matrix Theory (4) \*\*
- MATH 270 - Introduction to Probability and Statistics (4) ++
- MATH 210 - Introduction to Computer Algebra Systems (4)
- MATH 320 - Selected Topics in History of Mathematics (4) \*
- MATH 325 - Mathematical Notation and Proof (4) \*\*
  
- MATH 420 - Mathematical Logic (4) +
- MATH 430 - Modern Geometry (4) +
- MATH 446 - Theory of Numbers (4) +
- MATH 474 - Theory of Probability (4) \*\*\*
  
- CS 190 - BASIC Programming (2)  
or
- CS 201 - Introduction to Programming (5)

#### Notes:

\* Prerequisite: MATH 207

\*\* Prerequisite: MATH 208

\*\*\* Prerequisite: MATH 209

+ Prerequisite: MATH 325

++ Prerequisite: MATH 208 and 248



## Department of Pan-African Studies

### DEPARTMENT OFFICE

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Pan-African Studies (PAS) encompasses the systematic investigation of the history, culture, social relationships, political economy, literature, arts, and languages of peoples of African descent and their contribution to world civilization. In order to give students a unique foundation for critical thinking and socio-cultural analysis, the curriculum combines in-depth and transnational approaches to the study of the Black experience. In particular, PAS places African American Studies in a larger comparative context. Students who elect the major will be equipped for graduate work in African American, African, ethnic, and cultural studies as well as in a range of traditional academic disciplines. Students interested in graduate work in a traditional academic discipline should consider a minor in that field. PAS degree holders have found careers in teaching, community development and leadership, international affairs, nongovernmental organizations, public relations, social work, urban research, community law, civil service, industrial relations, entertainment, and many other professions.

As a program of study, PAS places the black experience in the larger context of Africa and the African Diaspora - thus the name "Pan African" Studies. The goal of the curriculum is to allow for flexibility in required core and upper division elective courses. This approach maximizes student ability to determine areas of emphasis and, with faculty advisement, to select a creative set of courses that expose majors or minors to the historical context, fundamental concepts, and central issues in the field of Pan African Studies.

## The Faculty

**Professor:** C.R.D. Halisi.

**Associate Professor:** Melina Abdullah (*Acting Chair*)

**Assistant Professor:** Msia Clark.

**Emeriti:** Jonathan Nwomonoh, Aida Takla O'Reilly.

## Programs for this Department:

### Undergraduate Major

- African American Studies, B.A.

### Undergraduate Minor

- Pan-African Studies Minor

# African American Studies, B.A.

Students must promptly and regularly confer with the department adviser regarding course selection and availability.

The total number of units required for the Bachelor of Arts degree in African American Studies is 180 units, of which 68 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Major (68 units)

The major in Pan African Studies consists of 32 required lower and upper division core courses and 36 electives units. 16 units of electives may be taken in other fields of study. Students should work closely with department adviser on the selection of appropriate electives in other fields.

### Required Core Courses (32 units)

#### Lower Division (12 units)

- LAS 102 - The African Diaspora in the United States (4) **also listed as**
- PAS 102 - The African Diaspora in the United States (4)
  
- PAS 250A - African History (4)  
**or**
- PAS 250B - African History (4)
  
- PAS 251A - African American History (4)  
**or**
- PAS 251B - African American History (4)

#### Upper Division (20 units)

- PAS 301 - The Black Experience Across Disciplines: Intensive Writing and Research (4)
  
- PAS 403 - The Black Intellectual Tradition (4)  
**or**
- PAS 422 - Themes in Black Literature (4)
  
- PAS 405 - Black Feminism (4)  
**or**
- PAS 406 - Black Women Leaders in Thought and Politics (4)
  
- PAS 414 - African Diaspora: Globalization, Locality, Community (4)  
**or**
- PAS 416 - Pan Africanism and World Politics (4)
  
- PAS 495 - Senior Thesis (1-4) (4)

#### Elective Courses (36 units)

Electives may be drawn from all Pan African studies courses not selected for the required core requirements. Only eight (8) units of lower division (numbers between 100-200) course work may be counted toward the completion of the required 36 units. The following courses may be used to fulfill elective credit:

- AAAS 108 - Comparative Ethnic Studies (4) **also listed as**
- CHS 108 - Comparative Ethnic Studies (4) **also listed as**
- LAS 108 - Comparative Ethnic Studies (4) **also listed as**
- PAS 108 - Comparative Ethnic Studies (4)
  
- PAS 120 - Elementary Igbo (4 Units).
- PAS 254 - Special Topics in Pan-African Studies (1-4) (4)
  
- CHS 260 - Introduction to Third World Images in Film (4) **also listed as**
- PAS 260 - Third World Images in Film (4)
  
- CHS 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- ENGL 327 - Ethnicity and Emotions in U.S. Film (4) **also listed as**
- PAS 327 - Ethnicity and Emotions in U.S. Film (4)
  
- PAS 369 - Race, Activism, and Emotions (4)

- EDFN 380 - Education and Development in the Third World (4) **also listed as**
- PAS 380 - Education and Development in the Third World (4)
- ENGL 377 - Literary Explorations of Justice and Racism (4) **also listed as**
- PAS 377 - Literary Explorations of Justice and Racism (4)
- PAS 386 - Literature and the Third World (4)
- ENGL 426 - African Literature (4) **also listed as**
- LAS 342 - Cultural Impact of Development (4) **also listed as**
- PAS 342 - Cultural Impact of Development (4)
- LAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4)
- PAS 400 - Psychology and African Americans (4)
- PAS 401 - Topics on Education and African American Advancement (4)
- PAS 402 - Black Political Economy (4)
- PAS 404 - The Black Family (4)
- AAAS 408 - Comparative Diaspora Studies (4) **also listed as**
- CHS 408 - Comparative Diaspora Studies (4) **also listed as**
- LAS 408 - Comparative Diaspora Studies (4) **also listed as**
- PAS 408 - Comparative Diaspora Studies (4)
- PAS 412 - Third World Women and Development (4)
- PAS 414 - African Diaspora: Globalization, Locality, Community (4)
- PAS 416 - Pan Africanism and World Politics (4)
- PAS 417 - Hip-Hop as Political Expression (4)
- PAS 418 - African American Religion as Civic Culture (4)
- PAS 420 - African Foundations of African American Culture (4)
- PAS 421 - African American Music as History and Criticism (4)
- PAS 440 - Power and African American Communities (4)
- PAS 441 - Power and African American Communities: Field Research (4)
- PAS 456 - Politics of the Caribbean and Central America (4) **also listed as**
- POLS 456 - Politics of the Caribbean and Central America (4)
- PAS 480 - Education and Development in Africa (4)
- PAS 490 - Special Topics in Pan-African Studies (4)
- PAS 499 - Undergraduate Directed Study (1–4) (4)

Up to 16 units of course work may be taken from the following list of courses offered in other fields:

- 
- ANTH 413 - Peoples of Africa (4)
  - ANTH 361 - Race, Racism, and Human Variation (4)
  - ART 481 - African Art (4)
  - TVF 334 - "Race", Justice and the Mass Media (4)
  - COMM 489 - Intercultural Communication (4)
  - GEOG 446 - U.S. Ethnic Communities (4)
  - HIST 352 - Civil Rights in the United States (4)
  - HIST 414A - Pre-colonial Sub-Saharan Africa (4)
  - HIST 414B - Modern Sub-Saharan Africa (4)
  - HIST 415 - Contemporary Sub-Saharan Africa (4)
  - HIST 465 - Brazil (4)
  - LAS 335 - Race and Culture in the Americas (4)
  - LAS 430 - Cuba and the World (4)
  - MUS 452 - History of Jazz (4)
  - MUS 458 - Music of Latin America (4)
  - POLS 406 - Los Angeles City Politics (4)
  - POLS 409 - Minority Politics in the U.S. (4)
  - POLS 442 - American Constitutional Law: Civil Rights (4)
  - POLS 453 - Politics of Africa and the Mid-East (4)
  - SOC 348 - Class, Race/Ethnicity, and Gender (4)
  - SOC 460 - Race and Ethnic Relations (4)

## Pan-African Studies Minor

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### Requirements for the Minor (24 units)

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A minor in Pan-African Studies is designed to provide students with an emphasis on the Black experience that complements course work in other majors. The PAS minor requires 8 units of lower division core, 8 units of upper division core and 8 units of elective courses. The University requires that minors complete at least 12 units of upper division coursework. Electives must be drawn from courses offered within the Department of Pan-African Studies. Students may refer to the PAS major for a list of lower and upper division core courses as well as appropriate upper division elective courses.

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## Department of Physics and Astronomy

### DEPARTMENT OFFICE

Physical Sciences 315

Phone: (323) 343-2100

E-mail: [physics@calstatela.edu](mailto:physics@calstatela.edu)

Website: [www.calstatela.edu/dept/physics](http://www.calstatela.edu/dept/physics)

The Department of Physics and Astronomy offers undergraduate and graduate programs in physics, with opportunities for professional preparation in a variety of directions, including astronomy, astrophysics, biophysics, condensed matter physics, and nuclear physics.

Undergraduate programs include one leading to the Bachelor of Science degree, one leading to the Bachelor of Arts degree, and a minor in Physics for students majoring in other fields. The Bachelor of Science curricula include the general program without specialization and an option in Biophysics. The department also participates in the interdisciplinary Bachelor of Science degree program in Natural Science and in the subject matter preparation for the Single Subject Teaching Credential in Science. Although no specific option is offered in astronomy, astronomy courses are available as electives for other options.

## The Faculty

**Professors:** Radi A. Al-Jishi, Konrad A. Aniol, Oscar O. Bernal, Edward H. Rezayi, Jose P. Rodriguez (*Co-Chair*), Susan Terebey (*Chair*),

**Associate Professors:** Milan B. Mijic, Guo-Meng Zhao.

**Assistant Professor:** Albert Lee

**Emeriti:** Robert H. Carr, Berken Chang, Harold L. Cohen, Charles C. Coleman, Bruce Dayton, Martin B. Epstein, Perry S. Ganas, David T. Gregorich, Donald E. Hudson, Demetrius J. Margaziotis, Fernando B. Morinigo, Frieda A. Stahl, William A. Taylor, Hubert C. Winkler, John C. Woolum, Fleur Yano.

## Departmental Honors Program

The Department of Physics and Astronomy offers an honors program for qualified students. Students may apply in their junior year after completing PHYS 211–214. Candidates must maintain a B (3.0) grade point average both in their major and overall. Completion of the honors program requires 3 units of independent, research-oriented study (PHYS 396) and presentation of the work in a colloquium. Graduation with honors in Physics is conferred upon those students whom the faculty of the department deem worthy after presentation of the colloquium. Diplomas and transcripts of honors program graduates are designated: “*Graduated with Departmental Honors in Physics.*”

## Programs for this Department:

### Undergraduate Major

- Physics, B.A.
- Physics, B.S.

### Undergraduate Minor

- Physics Minor

### Graduate Major

- Physics, M.S.

### Credential

- Natural Science Credential Program

## Physics, B.A.

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The Bachelor of Arts degree in Physics provides a program appropriate for students interested in such careers as teaching, public service, business, or science journalism. This program does not include the advanced study needed by students who wish to prepare for careers as physicists, but provides the breadth needed for many other innovative and challenging occupations.

The total number of units required for the Bachelor of Arts degree in Physics is 180 units, of which 96 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (96 units)

The major includes 96 units, 54 in lower division and 42 in upper division courses, with a total of 180 units required for the degree. Students must earn a grade of C or higher in all courses used to meet major requirements.

#### Lower Division Required Courses (54 units)

- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)

#### Upper Division Required Courses (8 units)

- PHYS 306 - Modern Physics (4)
- CHEM 360 - Writing for Chemists (4)

#### Upper Division Electives (20-30 units)

Select 20–30 units in upper division physics courses with approval of adviser.

#### Additional Electives (4-14 units)

Select 4–14 units in other science fields, or science related fields, with adviser approval.

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## Physics, B.S.

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The Bachelor of Science degree, which requires a total of 187 units, may be used as preparation for graduate work or as a qualifying degree for professional employment. Selection of electives in astronomy provides substantial background for students planning graduate study in that field.

Programs in physics are built on a foundation of high school studies in mathematics and physical sciences. For completion of a Bachelor of Science degree program in 12 quarters, high school preparation is recommended in physics, chemistry, geometry, trigonometry, and algebra (two years).

In planning their university programs, students who wish to prepare for graduate study in physics are advised to include 12 units of French, German, or Russian, a portion of which will earn general education credit. Student participation in research is strongly encouraged.

The total number of units required for the Bachelor of Science degree in Physics is 187-196 units, of which 115-122 units are in the major depending on the option selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### General Program

#### Requirements for the Major (115 units)

The major consists of 115 units in physics and related fields, of which 50 are in lower division and 65 in upper division courses. Students must earn a grade of C or higher in all courses used to meet major requirements.

##### Lower Division Required Courses (50 units)

- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)

##### Upper Division Required Courses (46 units)

- PHYS 306 - Modern Physics (4)
- PHYS 312 - Basic Electronics (4)
- PHYS 320 - Physics Computing (3)
- PHYS 410A - Mathematical Methods of Physics (4)
- PHYS 410B - Mathematical Methods of Physics (4)
- PHYS 425A - Introduction to Theoretical Physics (4)
- PHYS 426A - Electricity and Magnetism (3)
- PHYS 426B - Electricity and Magnetism (3)
- PHYS 427 - Thermodynamics (4)
- PHYS 432A - Introductory Quantum Mechanics (3)
- PHYS 470 - Advanced Physics Laboratory I (3)
- PHYS 471 - Advanced Physics Laboratory II (3)
- CHEM 360 - Writing for Chemists (4)

##### Upper Division Electives (19 units)

Selected with advisor approval

### Option in Biophysics

The Bachelor of Science degree in Physics, Biophysics option, may be used as preparation for graduate work in biophysics or as a degree for professional employment.

#### Requirements for the Major (122 units)

The major with this option consists of 122 units in physics, biology, and related fields, of which 65 are in lower division and 57 in upper division courses. Students must earn a grade of C or higher in all courses used to meet major and option requirements.

### Lower Division Required Courses (65 units)

- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MICR 300 - General Microbiology (5)

### Upper Division Required Courses (51 units)

- PHYS 306 - Modern Physics (4)
- PHYS 312 - Basic Electronics (4)
- PHYS 410A - Mathematical Methods of Physics (4)
- PHYS 410B - Mathematical Methods of Physics (4)
- PHYS 432A - Introductory Quantum Mechanics (3)
- PHYS 443A - Physical aspects of living state. (3)
- PHYS 443B
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 401 - Physical Chemistry I (4)
  
- CHEM 402 - Physical Chemistry II (4)
- **or**
- CHEM 403 - Physical Chemistry III (4)
  
- CHEM 431A - Biochemistry (3)
- CHEM 431B - Biochemistry (3)
- CHEM 360 - Writing for Chemists (4)

### Electives (6 units)

Select courses in physics or chemistry, with adviser approval.



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## Physics Minor

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A Physics minor, available for students majoring in other fields, requires 59 units in physics and mathematics, of which 40 are in lower division and 19 in upper division courses. Students majoring in fields that require the same courses as those required for the Physics minor need take only those courses in the minor that are not incorporated into their major.

### Requirements for the Minor (59 units)

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#### Lower Division Required Courses (39 units)

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- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- MATH 215 - Differential Equations (4)

#### Upper Division Required Course (4 units)

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- PHYS 306 - Modern Physics (4)

#### Upper Division Electives (16 units)

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Select physics courses with adviser approval.

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## Physics, M.S.



The Master of Science degree in Physics is designed to prepare students for community college teaching, employment in industry, or further graduate study toward the doctorate in Physics.

### Admission to the Program

Applicants must meet University requirements for admission to graduate study. Students must apply to both the department and the University. Before undertaking required graduate courses, students must complete the equivalent of an undergraduate major in physics, and must have specific competence in the subjects covered in PHYS 306, 425A, 426A and 432A.

New graduate students must consult with the departmental graduate adviser *before registration* for assistance in planning their programs. Students should achieve classified graduate standing as early as practicable in their graduate study because it is prerequisite to the completion for credit of any courses in the degree program.

Students must apply to both the department and California State University, Los Angeles. The departmental application form and the department application deadlines can be found on the department's website, [www.calstatela.edu/dept/physics](http://www.calstatela.edu/dept/physics)

#### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 25 in 500-level courses. Advancement to candidacy is prerequisite to filing the thesis or taking the comprehensive examination. Students should apply for candidacy immediately upon completing 16 units of their official program with the required grade point average.

#### Required Courses (25 units)

- PHYS 510A - Mathematical Methods of Physics (4)
- PHYS 510B - Mathematical Methods of Physics (4)
- PHYS 530A - Classical Physics (4)
- PHYS 530B - Classical Physics (4)
- PHYS 532A - Quantum Mechanics (4)
- PHYS 532B - Quantum Mechanics (4)
- PHYS 542 - Physics Research Conference (1)  
(Minimum of one quarter required.)

#### Options

- Research Option
- Course Option

Students select Option A or Option B for completion of their program. *Option A* emphasizes research and requires a thesis. *Option B* emphasizes advanced study, which may be taken in a variety of physics areas. Option B programs may include research and directed study; such programs culminate in a comprehensive examination rather than a thesis. For special professional objectives, students may include graduate level work in engineering, another science or mathematics area in Option A or B, with approval of adviser.

The Interdisciplinary Studies Master's permits the combination of physics courses with courses in biology and chemistry in a program suited to interdisciplinary professional careers.

#### A. Research Option (20 units)

##### Required Courses (9 units)

Select with advisor approval from the following:

- PHYS 597 - Graduate Research (1-4)
- PHYS 598 - Graduate Directed Study (1-4)
- PHYS 599 - Thesis (1-4)

##### Electives (11 units)

Select with advisor approval.

## B. Course Option (20 units)

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### Required Courses (9–12 units)

Select three from following:

- PHYS 411 - Introduction to Astrophysics (3)
- PHYS 412 - Laboratory Applications of Minicomputers and Microcomputers (4)
- PHYS 428 - Statistical Physics (3)
- PHYS 431 - Modern Optics (4)
- PHYS 433 - Solid State Physics I (4)
- PHYS 434 - Solid State Physics II (4)
- PHYS 443A - Physical aspects of living state. (3)
- PHYS 443B - Biophysics (2)
- PHYS 444 - Nuclear Physics (4)
- PHYS 471 - Advanced Physics Laboratory II (3)
- PHYS 491 - Topics in Contemporary Experimental Physics (3)
- PHYS 492 - Topics in Contemporary Theoretical Physics (3)
- PHYS 512A - Modern Physics (4)
- PHYS 512B - Modern Physics (4)
- PHYS 531 - Topics in Electrodynamics (4)
- PHYS 533 - Solid State Theory (4)
- PHYS 542 - Physics Research Conference (1)
- PHYS 544 - Theoretical Nuclear Physics (4)
- PHYS 592 - Seminar: Contemporary Physics (1–4)

### Electives (8–11 units)

Select with adviser approval.

A maximum of 4 units of PHYS 598 may be included in the official program under this option. PHYS 597 and 599 may not be included in this option.

## Comprehensive Examination (0 units)

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All candidates must pass an examination administered by the department. For students who elect Option A (Research), this is an oral examination based on the thesis. For students who elect Option B (Course), this is a comprehensive examination (PHYS 596) about graduate level physics.

Normally, it will be a three-hour written examination, which may be supplemented by an oral examination at the discretion of the examining committee. The examination will be given at least twice a year as announced by the department.

Students should expect to take the comprehensive examination (PHYS 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

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## Natural Science Credential Program

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The Department of Physics and Astronomy participates in the interdisciplinary Bachelor of Science degree in Natural Science which is approved by the California Commission on Teacher Credentialing for the Single Subject credential in Science. The program is described earlier in this chapter. In addition, the department offers the supplementary authorization in physics, described below, for holders of a Single Subject teaching credential in another field. Interested students should contact advisers in both the department and the Charter College of Education. Refer to the undergraduate Charter College of Education section for regulations governing all credential programs.

### Supplementary Authorization for Single Subject Teaching Credential (32 units)

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Holders of a Single Subject teaching credential issued by the state of California may supplement that credential with an authorization in physics for teaching physics at any grade level through grade 12 or in classes organized primarily for adults by completing the following program with a grade of C or higher in each course. At least one of the courses must include a laboratory component. For other requirements governing issuance of this authorization, consult the Charter College of Education.

#### Complete or demonstrate proficiency in the following (32 units):

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- PHYS 211 - Mechanics (5)
- PHYS 212 - Waves, Optics and Thermodynamics (5)
- PHYS 213 - Electricity and Magnetism (5)
- PHYS 214 - Modern Physics (4)
- PHYS 306 - Modern Physics (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- ART 152 \* - Survey and Studio: Introduction to Ceramics (4)
- In addition to the above courses, an astronomy course—such as ASTR 151 is strongly recommended.

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## Department of Political Science

### DEPARTMENT OFFICE

Engineering and Technology A523

Phone: (323) 343-2230

E-mail: [polisci@calstatela.edu](mailto:polisci@calstatela.edu)

Website: [www.calstatela.edu/dept/pol\\_sci/](http://www.calstatela.edu/dept/pol_sci/)

Faculty and students of the Department of Political Science engage in teaching and learning—critically and systematically—about government, politics, public affairs, and public policy in the United States and the world. Political Science courses embrace elements of the liberal arts, social sciences, and citizen education. The Department offers three degree programs: Bachelor of Arts in Political Science, Master of Arts in Political Science, and Master of Science in Public Administration.

The Bachelor of Arts in Political Science provides pre-professional education for careers in government, non-profit organizations, teaching, and business, as well as for admission to graduate and law school. Students may choose from four options: General Political Science, Global Politics, Prelegal Studies, and Public Administration. We also offer minors in General Political Science, Prelegal Studies, Public Administration, and Global Politics to students majoring in other subjects. The two graduate degree programs prepare students for professional careers in government, public service, public sector management, international relations, and teaching. Our graduate as well as undergraduate courses also help to prepare students for more effective civic engagement and participation in an urban-global context.

## The Faculty

**Professors:** Greg Andranovich, Scott R. Bowman, Siegrun Fox Freyss, Nadine S. Koch, Timothy C. Lim, Stephen K. Ma, James A. Regalado, Michael J. Siler.

**Associate Professor:** Taylor E. Dark III, Michael Locke McLendon.

**Assistant Professors:** Emily Acevedo, Martin Adamian, Gar Culbert.

**Emeriti:** J. Theodore Anagnoson, Donald W. Bray, Naomi J. Caiden, Robert Bascom Callahan, Eugene P. Dvorin, Edward Malecki, Thomas A. Rusch, Robert H. Simmons, Benjamin W. Smith, Virgil H. Stevens, Kenneth A. Wagner.

## Minors in Political Science

The Department of Political Science offers four minor programs for students majoring in other fields. The General minor requires 24 units and may interest majors in such related fields as history, economics, geography, sociology, anthropology, or English. The Global Politics minor requires 20 units and is designed for students whose career or personal interests would be enhanced by a study of international relations and comparative government. The Prelegal Studies minor, which requires 20 units, is available to students who may be interested in attending law school. The minor in Public Administration requires 20 units and is designed for students who may be interested in government service at the local, state, or federal level. All students are expected to complete POLS 150 and, if listed below, lower division requirements before enrolling in upper division courses in the minor programs in political science.

## The Graduate Program

Two master's degree programs are offered in political science, in order to satisfy varying career objectives of graduate students. The Master of Arts degree emphasizes advanced studies for those interested in teaching, preparing for doctoral studies in political science, or preparing for political journalism, similar occupations, or various forms of citizen leadership. Our nationally accredited Master of Science degree in Public Administration provides present and future public service employees the administrative skills and knowledge necessary for leadership of government and non-profit organizations.

## Admission to the Programs

Application must be made to both the Department of Political Science and the University. Forms for both may be obtained from the department office. Please note that acceptance into the University does not guarantee admittance to the department.

Completed departmental applications with one copy of transcripts from all colleges attended and two letters of recommendation (normally from Cal State L.A. faculty in the case of recent Cal State L.A. graduates) must be sent to the Department of Political Science. University applications and two copies of official transcripts from all colleges attended must be sent to the Admissions Office. Deadlines and procedures for applying to the University can be found in the University Catalog or on the web at [www.csumentor.edu](http://www.csumentor.edu)

## The Credential Program

The Bachelor of Arts degree in Social Science, administered by the Department of History has been approved for the Single Subject credential in Social Science by the California Commission on Teacher Credentialing. The program is listed under Social Science section of this chapter. In addition, the department offers two supplementary authorizations for persons who hold a Single Subject teaching credential in another field. These programs are described below.

## Programs for this Department:

### Undergraduate Major

- Political Science, B.A.

### Undergraduate Minor

- Political Science General Minor
- Political Science Global Politics Minor
- Political Science Prelegal Studies Minor
- Political Science Public Administration Minor

### Graduate Major

- Political Science, M.A.
- Public Administration, M.S.

### Credential

- Subject Waiver for the Single Subject Credential in Social Sciences



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## Political Science, B.A.

Four options are offered in the Bachelor of Arts degree in Political Science, each adapted to a different objective as described below. The options contain the same common core of foundation courses designed to provide students with a general background in the discipline of political science as well as knowledge essential for attaining a high level of civic literacy.

The General Political Science option is a general program of undergraduate preparation for graduate study that allows students to choose their own upper division courses to prepare for professions in both the public and private sectors.

The Global Politics option is a program of undergraduate preparation for graduate study that focuses on the changing nature of international politics and the emergence of a global political space.

The Prelegal Studies option provides undergraduate preparation for professions in law, education, and public service. While a strong emphasis is placed on developing skills of legal analysis and research, courses in this option also provide students with a critical understanding of the interrelationship between law and politics in American society.

The Public Administration option provides undergraduate preparation for career government service or positions in nonprofit organizations.

The total number of units required for the Bachelor of Arts degree in Political Science is 180 units, of which 65 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### Requirements for the Major (65 units)

Major requirements consist of a common core of two lower division and six upper division courses (33 units) to be taken by all political science majors, and eight elective courses (32 units) in a selected political science option. It is recommended that 200- and 300-level requirements are completed prior to enrolling in 400 level courses.

#### Core Requirements (33 units)

- POLS 150 - Government and American Society (4)
- POLS 281 - Quantitative Methods in Political Science (5)
- POLS 371 - Foundations of American Politics (4)
- POLS 372 - Foundations of Political Theory (4)
- POLS 373 - Foundations of Comparative Politics (4)
- POLS 374 - Foundations of Global Politics (4)
- POLS 490 - Special Studies in Political Science (4)
- POLS 498 - Senior Capstone Seminar (4)

#### Options (32 units)

The following courses are required in addition to the core:

- General Political Science
- Global Politics
- Prelegal Studies
- Public Administration

#### General Political Science Option (32 units)

Eight elective courses in political science, one of which may be at lower division level, with the approval of an adviser.

#### Global Politics Option (32 units)

Select one course from each of the following four areas (16 units):

##### 1. International Relations (4 units)

- POLS 426 - International Political Economy (4)
- POLS 427 - International Relations (4)

## 2. Globalization and North America (4 units)

- POLS 404 - Urban Government and Politics (4)
- POLS 414 - Politics and the Media (4)
- POLS 425 - U.S. Foreign Policy in a Changing World (4)
- POLS 429 - U.S. National Security Policy (4)
- POLS 455 - Canadian Politics: A Comparative Perspective (4)
- POLS 458 - Politics in Asian-American Immigration (4)

## 3. Regional Politics: Asia (4 units)

- POLS 452 - Government and Politics of China (4)
- POLS 459 - Politics of East Asia (4)

## 4. Regional Politics: Other (4 units)

- POLS 420A - Model United Nations (4)
- POLS 451 - Latin American Politics (4)
- POLS 453 - Politics of Africa and the Mid-East (4)
- POLS 454 - Selected Topics in Comparative Politics (1–4)
- POLS 456 - Politics of the Caribbean and Central America (4)

Select four elective courses in Political Science, one of which may be taken at lower division level (16 units).

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## Prelegal Studies Option (32 units)

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### Required Courses (8 units)

- POLS 440 - Judicial Process (4)
- POLS 441 - American Constitutional Law: Federalism (4)

Select two courses from the following (8 units):

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- POLS 442 - American Constitutional Law: Civil Rights (4)
- POLS 443 - American Constitutional Law: Civil Liberties (4)
- POLS 444 - Mock Trial (4)
- POLS 445 - Judicial Behavior (4)
- POLS 446 - Comparative Legal Systems (4)
- POLS 447 - Legal Research and Writing (4)
- POLS 448 - International Law (4) (4)
- POLS 476 - Administrative Law (4)
- PHIL 490 - Philosophy of Law (4)
- HIST 479 - Constitutional History of United States (4)

Select four elective courses in Political Science, one of which may be taken at lower division level (16 units).

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## Public Administration Option (32 units)

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### Required Courses (8 units)

- POLS 460 - Foundations of Public Administration (4)
- POLS 462 - Public Policy (4)

Select two courses from the following (8 units):

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- POLS 403 - State and Local Government (4)
- POLS 463 - Public Sector Human Resource Management (4)
- POLS 466 - Public Financial Administration (4)
- POLS 467 - The Third Sector and Nonprofit Organizations (4)
- POLS 472 - Organization and Management (4)

Select four elective courses in political science, one of which may be taken at lower division level (16 units).

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## Political Science General Minor

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### Requirements for the Minor (24 units)

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#### Required Courses (16 units)

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- POLS 371 - Foundations of American Politics (4)
- POLS 372 - Foundations of Political Theory (4)
- POLS 373 - Foundations of Comparative Politics (4)
- POLS 374 - Foundations of Global Politics (4)

#### Elective Courses (8 units)

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Select 2 additional POLS courses with adviser approval to fulfill the goal for which the minor was chosen.

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## Political Science Global Politics Minor

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### Requirements for the Minor (20 units)

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#### Required Course (4 units)

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- POLS 374 - Foundations of Global Politics (4)

#### Elective Courses (16 units)

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Select two from the following:

- POLS 425 - U.S. Foreign Policy in a Changing World (4)
- POLS 426 - International Political Economy (4)
- POLS 427 - International Relations (4)

Select two from the following:

- POLS 450 - European Politics (4)
- POLS 451 - Latin American Politics (4)
- POLS 452 - Government and Politics of China (4)
- POLS 453 - Politics of Africa and the Mid-East (4)
- POLS 455 - Canadian Politics: A Comparative Perspective (4)
- POLS 456 - Politics of the Caribbean and Central America (4)
- POLS 458 - Politics in Asian-American Immigration (4)

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## Political Science Prelegal Studies Minor

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### Requirements for the Minor (20 units)

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#### Required Courses (8 units)

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- POLS 440 - Judicial Process (4)
- POLS 441 - American Constitutional Law: Federalism (4)

#### Elective Courses (12 units)

---

Select three courses from the following:

- POLS 442 - American Constitutional Law: Civil Rights (4)
- POLS 443 - American Constitutional Law: Civil Liberties (4)
- POLS 444 - Mock Trial (4)
- POLS 445 - Judicial Behavior (4)
- **or**
- POLS 446 - Comparative Legal Systems (4)
- POLS 447 - Legal Research and Writing (4)

**NOTE:**

Specific courses should be chosen in consultation with a prelegal studies adviser.

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## Political Science Public Administration Minor

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### Requirements for the Minor (20 units)

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#### Required courses (8 units)

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- POLS 460 - Foundations of Public Administration (4)
- POLS 462 - Public Policy (4)

#### Elective Courses (12 units)

---

Select *one* from the following:

- POLS 403 - State and Local Government (4)
- POLS 404 - Urban Government and Politics (4)

Select *two* from the following:

- POLS 461 - Dynamics of Urban Administration (4)
- POLS 463 - Public Sector Human Resource Management (4)
- POLS 466 - Public Financial Administration (4)
- POLS 467 - The Third Sector and Nonprofit Organizations (4)
- POLS 472 - Organization and Management (4)
- POLS 476 - Administrative Law (4)

**NOTE:**

Specific courses should be chosen in consultation with a public administration adviser.

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## Political Science, M.A.

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The program is built on the foundation of an undergraduate government or political science major and is designed to provide systematic study in political science and related fields at an advanced level.

### Departmental Requirements

In addition to University requirements for admission to graduate study, applicants must have:

- A grade point average in the last 90 quarter (60 semester) units of 3.00 or better and a major in political science. Majors with GPAs below 3.00 may be admitted at the discretion of the department's graduate admissions committee after completing prerequisite or conditional courses, if necessary.
- Non political science majors who have a GPA of 3.00 or better may be accepted on a conditional basis. They must first complete the following conditional prerequisite courses from the upper division foundation core: POLS 371, 372, 373 and 374 (minimum of three courses with earned GPA of 3.3 or above). Students will not receive graduate credit for these prerequisite courses. Non political science majors with GPAs below 3.00 may be admitted at the discretion of the department's graduate admissions committee after completing prerequisite or conditional courses.
- Two letters of recommendation. At least one letter must come from a professor or an individual capable of evaluating the applicant's intellectual and academic qualifications.
- A statement of purpose letter. A letter stating the applicant's purpose in applying for graduate study, the particular area of specialization or interest (American politics, global politics, or political theory), any special research interests, plans for future occupation or profession and any additional information that may aid the selection committee in evaluating the applicant's preparation and aptitude for graduate study at CSULA. The essay should be specific, well-organized, and well-thought out. The statement of purpose is considered an integral element of the application.
- Applications will be considered for fall or spring admissions only. Students seeking admission to the program effective fall quarter must apply to the department by the preceding May 1 and those seeking admission spring quarter must apply to the department by the preceding January 15. Late applications will be considered on a space available basis.

### Requirements for the Degree (45 units)

A minimum of 45 units is required, with at least 23 in 500-level courses.

#### I. Required Courses (24 units)

- POLS 504 - Seminar: American Political Behavior (4)
- POLS 505 - Seminar: American Political Studies (4)
- POLS 509 - Seminar: Foundations of Empirical Political Theory (4)
- POLS 510 - Seminar: Political Theory (4)
- POLS 527 - Seminar: Advanced Studies in International Relations (4)
- POLS 550 - Seminar: Comparative Politics (4)

#### II. Concentrations – Select one of the following concentrations (16 units)

##### A. Political Theory Concentration

(Choose 4 courses from the following):

- POLS 431 - Classical Political Theory (4)
- POLS 433 - Modern Political Theory (4)
- POLS 435 - American Political Thought (4)
- POLS 437 - Twentieth Century Continental Political Thought (4)
- POLS 598 - Graduate Directed Study (4)
  
- PHIL 410 - Social and Political Philosophy (4)  
or
- PHIL 413 - Issues in Feminist Philosophy (4)  
or
- PHIL 447 - Hermeneutics and Critical Theory (4)  
or
- PHIL 544 - Seminar: Social and Political Philosophy (4)

## B. American Politics Concentration

(Choose 4 courses from the following):

- POLS 400 - Power and Policy in Washington: Congress and the President (4)
- POLS 404 - Urban Government and Politics (4)
- POLS 406 - Los Angeles City Politics (4)
- POLS 408 - Political Socialization and Public Opinion (4)
- POLS 409 - Minority Politics in the U.S. (4)
- POLS 414 - Politics and the Media (4)
- POLS 418 - U.S. Political Parties, Campaigns, and Elections (4)
- POLS 598 - Graduate Directed Study (4)

## C. Global Politics Concentration

### International Relations

---

(Choose 2 courses from the following):

- POLS 425 - U.S. Foreign Policy in a Changing World (4)
- POLS 426 - International Political Economy (4)
- POLS 427 - International Relations (4)
- POLS 429 - U.S. National Security Policy (4)
- POLS 598 - Graduate Directed Study (4)

### Comparative Politics

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(Choose 2 courses from the following):

- POLS 446 - Comparative Legal Systems (4)
- POLS 451 - Latin American Politics (4)
- POLS 452 - Government and Politics of China (4)
- POLS 453 - Politics of Africa and the Mid-East (4)
- POLS 455 - Canadian Politics: A Comparative Perspective (4)
- POLS 459 - Politics of East Asia (4)
- POLS 531 - Seminar: Latin American Government (4)
- POLS 598 - Graduate Directed Study (4)

## III. Comprehensive Exam or Thesis (5 units)

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Students choose either to take the comprehensive exam or to write a thesis, the latter subject to the approval of the thesis chair, the M.A. graduate advisor, and the department chair. Students who take the comprehensive exam have the choice of doing 5 units of graduate research (POLS 597) directed by a faculty member or 5 units for a practicum (POLS 592) where they will intern in a political office, non-profit organization, campaign management firm, survey research center, or a comparable placement. Thus, students take either POLS 597 graduate research (5) or POLS 592 political science practicum (5) and POLS 596 comprehensive exam (0) or POLS 599 thesis (5).

Students electing to take the comprehensive examinations (POLS 596) should expect to take the examinations after the quarter they complete all course work on their program and must comply with college and departmental requirements. Students will be allowed a maximum of two attempts to complete the comprehensive examinations successfully. Failure to pass the comprehensive examinations, or any portion thereof, will result in disqualification from the program.

Students who have made one attempt on the comprehensive examinations may not change to the thesis option; students who have taken POLS 599 thesis units may not change to the comprehensive examination option.

## Public Administration, M.S.



The mission of the Master of Science in Public Administration program is to educate students for professional public and community service within a diverse urban environment through the development of creative management and analytical skills, enhanced leadership capabilities, and clear understanding of the issues of governance and institutional adaptation in a fast changing world.

There are two options in the MSPA Program. One is the regular MSPA program. The other is the MSPA Fast Track Option for International Executives, which is designed for non-US experienced practitioners who undertake their degree completion using an intensive format.

### Admission to the Master of Science in Public Administration

Applications are accepted for the fall quarter only. Complete applications must be submitted to the Department of Political Science by the deadline to be considered:

<u>Deadline</u>	<u>Consideration For</u>
-----------------	--------------------------

April 10	Fall (September)
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### Departmental Requirements

Admission to the Master of Science in Public Administration requires a grade point average in the last 90 units taken in undergraduate status of 3.0, plus an acceptable departmental application, personal statement, current resume and two letters of recommendation.

Applicants who have failed to earn at least a 3.0 grade point average in their last 90 quarter units taken in undergraduate status will not be admitted to the M.S. degree program in Public Administration in the absence of clear and compelling evidence of their current capacity for satisfactory graduate academic performance.

#### Prerequisites (8 units)

Completion of the following political science courses or their equivalent is required of all students entering the MSPA program. Students must earn a minimum B (3.0) grade in each of these courses. These courses must be satisfactorily completed before taking any 500 level course.

Additional prerequisites may be required depending on the student's academic background.

- POLS 460 - Foundations of Public Administration (4)
- POLS 462 - Public Policy (4)

#### Requirements for the Degree (minimum 48 units)

A minimum of 48 units is required. In addition to course requirements, students must complete the equivalent of a one-quarter full-time internship in public administration or an approved field project. This requirement may be waived if the candidate holds, or has held, a position entailing managerial or professional level of responsibility in a public or private nonprofit agency. To enroll in the following 500 level courses all students must have completed all required 400 level courses. All 500 level courses require a permit to enroll from the department of political science.

#### Required Courses (36 units)

##### Skills Core

- POLS 578 - Research Design for Public and Nonprofit Managers (4)
- POLS 579 - Public Sector Information Management and Computing (4)
- POLS 580 - Data Analysis for Public and Nonprofit Managers (4)
- POLS 594 - Applied Research in Public and Nonprofit Administration (4)

##### Management Core

- POLS 571 - Intergovernmental Relations (4)
- POLS 572 - Public Sector Organization and Management (4)
- POLS 573 - Public Sector Human Resource Management (4)
- POLS 574 - Public Budgeting and Financial Administration (4)

##### Capstone Course

- POLS 590 - Seminar: Philosophy of Public Service (4)

## Electives (12 units)

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Take three 500-level courses, with adviser approval:

- POLS 565 - Seminar: Public Sector Labor Relations (4)
- POLS 567 - Seminar: The Third Sector and Nonprofit Organizations (4)
- POLS 568 - Seminar: Community Development Administration (4)
- POLS 575 - Seminar: Administrative Systems in Pacific Rim Nations (4)
- POLS 583 - Seminar: Health Politics and Policy (4)
- POLS 584 - Seminar: Issues in the Metropolitan Area (4)
- POLS 585 - Seminar: Regulation, the Environment and California Public Policy (4)
- POLS 587 - Seminar: Aging Policy, Politics, and Administration (4)
- POLS 591 - Seminar: Administrative Theory and Behavior (4)
- POLS 595 - Selected Issues in Public Administration (4)
- POLS 598 - Graduate Directed Study (4)

## Comprehensive Examination or Thesis (0, 4 units)

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After completing all coursework on their programs, students should expect to take the comprehensive examination (POLS 596) in the next quarter in which it is offered. All course work on their programs must comply with college and departmental requirements.

Students will be allowed a maximum of three attempts to complete the comprehensive examinations successfully. Failure to pass the comprehensive examinations, or any portion thereof, will result in disqualification from the program.

A thesis, in lieu of the written examinations, may be authorized for exceptional students who present a proposal the department deems worthy of study. POL 599 (4 units) may be taken in place of one of the elective courses

- POLS 596 - Comprehensive Examination (0)  
or
- POLS 599 - Thesis (1–5)

## Fast Track Option for International Executives Option Requirements

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The Department of Political Science and the Institute for Executive Leadership will enforce identical MSPA admission requirements of a minimum grade point average in the last 90 units taken in undergraduate status of 3.0, and a TOEFL score of 550 or above, in addition to the institute requirement of four-year recent experience in a non-us administrative agency.

## Requirements for the Degree (minimum 48 units)

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### Required Courses

- POLS 404 - Urban Government and Politics (4)
- POLS 441 - American Constitutional Law: Federalism (4)
- POLS 460 - Foundations of Public Administration (4)
- POLS 568 - Seminar: Community Development Administration (4)
- POLS 573 - Public Sector Human Resource Management (4)
- POLS 574 - Public Budgeting and Financial Administration (4)
- POLS 575 - Seminar: Administrative Systems in Pacific Rim Nations (4)
- POLS 579 - Public Sector Information Management and Computing (4)
- POLS 590 - Seminar: Philosophy of Public Service (4)
- POLS 591 - Seminar: Administrative Theory and Behavior (4)
- POLS 595 - Selected Issues in Public Administration (4)  
Non-Profit Organizations
- POLS 595 Seminar: Selected Issues in Public Administration: Administrative Ethics (4)

### Comprehensive Examination (0 unit)

- POLS 596 - Comprehensive Examination (0)



## Subject Waiver for the Single Subject Credential in Social Sciences

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The Social Science Teaching Preparation Option Major, administered by the History Department, has been approved by the California Commission on Teacher Credentialing to satisfy the subject area requirements for the Single Subject Credential in Social Sciences. The program is listed under the History Department section of this catalog.

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## Department of Psychology

### DEPARTMENT OFFICE

King Hall C3104

Phone: (323) 343-2250

E-mail: [psych@calstatela.edu](mailto:psych@calstatela.edu)

Website: [www.calstatela.edu/academic/psych/html/deptmenu.htm](http://www.calstatela.edu/academic/psych/html/deptmenu.htm)

Psychology is the scientific study of the behavior and mental and emotional processes of human beings, as well as the behavior of animals as it applies to humans. The field also encompasses the methods, procedures, and instruments necessary for the study of these processes.

Psychology majors do volunteer work or are employed at various levels of the job market, including community organizations, social service agencies, county and state civil service, business and industrial companies, personnel and public relations firms, hospitals, research centers, and many others.

The Department of Psychology offers programs leading to Bachelor of Arts, Master of Science, and Master of Arts degrees. The graduate degrees are described in the Graduate Programs section.

## The Faculty

**Professors:** Theodore S. Bell, Fary M. Cachelin, Desdemona Cardoza, Ramani S. Durvasula, Mitchell Eisen, Pamela C. Regan, Gloria J. Romero, Kaveri Subrahmanyam (*Chair*).

**Associate Professors:** Joel Ellwanger, Gaithri Fernando, Kimberly King, Eric Kohatsu, Brigitte Matthies, Heidi Riggio, Henry Schlinger.

**Assistant Professors:** Jessica Dennis, Alicia Izquierdo-Edler, Robert Kennison, Bahram Shabani, Munyi Shea, Ji Son, Douglas Stenstrom.

**Emeriti:** Burton L. Alperson, Richard S. Balvin, Nancy Cobb, Annette Ehrlich, Stuart P. Fischhoff, Herbert Goldberg, Herbert Goldenberg, Harold J. Gottlieb, Thomas M. Graham, Patricia M. Hodges, Jean P. LaCour, John M. Leiman, Anson J. Levine, Seymour Levitan, Robert T. Lewis, Z. Barry Lowenkron, Irwin Lublin, Herbert Moskowitz, David R. Perrott, Jean S. Phinney, Michael W. Roffe, Bernard J. Somers, Judith E. Stevens-Long, Michael Wapner, David J. Weiss.

## The Graduate Program

The Department of Psychology offers both Master of Arts and Master of Science degrees. The Master of Arts degree in Psychology is a mentor-based, rigorous graduate program designed to develop research and conceptual skills for students whose primary interest is in continuing their education in a doctoral program. Students are encouraged to contact a faculty member in the area of research in which they are interested before applying to the university. Positions in the department are limited and acceptance into the program depends on students finding someone on the faculty who will agree to serve as a mentor. The department also offers the Master of Science degree with options in Applied Behavior Analysis (ABA), Forensic Psychology, and Marriage and Family Therapy (MFT). In addition, students may emphasize community college teaching in their M.S. program.

## Programs for this Department:

### Undergraduate Major

- Psychology, B.A.

### Undergraduate Minor

- Psychology Minor

### Graduate Major

- Psychology, M.A.
- Psychology, M.S.

# Psychology, B.A.

The Bachelor of Arts degree in Psychology is both preparation for advanced study and a terminal liberal arts degree.

The total number of units required for the Bachelor of Arts degree in Psychology is 180 units, of which 76-79 units are in the major depending on the courses selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Advisement

Psychology majors should file an official program with the department, preferably in their first quarter of attendance, but under no circumstances later than the first quarter of their junior year.

### Requirements for the Major (76-79 units)

The major requires a lower division core of 17 units, an upper division core of 19 to 20 units and 40 to 42 units of electives from designated categories as explained below. All psychology majors must receive a grade of C- or higher in all psychology courses.

#### Lower Division Core Courses (17 units)

- PSY 150 - Introductory Psychology (4)
- PSY 170 - Introductory Behavioral Neuroscience (4)
- PSY 200 - Introduction to Psychological Science (4)
- PSY 202 - Descriptive Statistics in Psychology (5)

#### Upper Division Core Courses (19-20 units)

- PSY 302 - Inferential Statistics in Psychology (5)
- PSY 304 - Research Methods in Psychology (6)
- PSY 308 - History and Systems of Psychology (4)
- One course from Group V see below (4-5 units)

#### Upper Division Electives (40-42)

Select two courses each from Groups I-IV (32 units). Select any two additional courses from Groups I-V (8-10 units). A total of four units of courses listed in The Applied Psychology / Community Engagement Category can be taken toward fulfillment of upper division elective requirements and applied to any group.

##### Group I : Developmental

- PSY 362 - Psychological and Psychosocial Developmental Stages in Maturity and Aging (4)
- PSY 388 - Sex and Gender (4)
- PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- PSY 426 - Family Therapy Dynamics and Perspectives (4)
- PSY 433 - Psychology of Cognitive Development (4)
- PSY 462 - Psychology of Human Development: Maturity and Aging (4)

##### Group II: Social /Community

- PSY 307 - Physiology and Psychology of Violence and Aggression (4)
- PSY 322 - Social Psychology (4)
- PSY 330 - Psychology of Prejudice and Discrimination (4)
- PSY 402 - Media Psychology (4)
- PSY 415 - Interpersonal Relationships (4)
- PSY 419 - Psychology of Gender (4)
- PSY 445 - Community Psychology – Service Learning (4)
- PSY 450 - Principles of Health Psychology (4)
- PSY 464 - Psychology and the Law (4)

##### Group III: Brain, Behavior, and Cognition

- PSY 323 - Psychology of Emotion and Motivation (4)
- PSY 343 - Child and Adolescent Cognition (4)

- PSY 401 - Physiological Psychology (4)
- PSY 421 - Psychology of Learning and Behavior (4)
- PSY 424 - Cognitive Psychology (4)
- PSY 425 - Sensation and Perception (4)
- PSY 428 - Introduction to Analysis of Behavior (4)
- PSY 435 - Behavior Analysis & Treatment of Developmental Disabilities (4)
- PSY 440 - Behavior Analysis and Autism (4)
- PSY 490 - Human Memory (4)

**Group IV: Individual/Abnormal**

- PSY 309 - Human Violence and Individual Change (4)
- PSY 310 - Abnormal Psychology I (4)
- PSY 318 - Psychology of Personality (4)
- PSY 410 - Abnormal Psychology II (4)
- PSY 427 - Family Therapy Techniques: Strategies for Change (4)
- PSY 436A - Counseling and Psychotherapy: Theories, Methods, and Issues (4)
- PSY 436B - Counseling and Psychotherapy: Theories, Methods, and Issues (4)
- PSY 438 - Introduction to Clinical and Counseling Psychology (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)

**Group V: Methodology**

- PSY 411 - Advanced Research Methods in Psychology (4)
- PSY 414 - Analysis of Variance (4)
- PSY 417 - Single Case Research Design (4)
- PSY 431 - Statistical Methods in Psychological Assessment (5)
- PSY 465 - Multicultural Psychology: Current Issues and Research (4)
- PSY 491 - Multivariate Statistics (5)

**Applied Psychology / Community Engagement Category:**

- PSY 395 - Field Experience in Psychology (1–4)
- PSY 485 - Directed Field Experience in Community Clinical Psychology (4)
- PSY 499 - Undergraduate Directed Study (1–4)

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## Psychology Minor

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The Psychology minor, available to students majoring in other fields, requires 39 units of lower and upper division psychology courses.

### Requirements for the Minor (39 units)

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#### Lower Division Required Courses (13 units)

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- PSY 150 - Introductory Psychology (4)
- PSY 170 - Introductory Behavioral Neuroscience (4)
- PSY 202 - Descriptive Statistics in Psychology (5)

#### Upper Division Required Courses (15 units)

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- PSY 302 - Inferential Statistics in Psychology (5)
- PSY 304 - Research Methods in Psychology (6)
- PSY 308 - History and Systems of Psychology (4)

#### Electives (11 units)

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Select with adviser assistance.

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## Psychology, M.A.

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The M.A. degree is a rigorous program designed to develop research and conceptual skills for students whose primary interest is in continuing their education in a doctoral program. A key feature of the program is a close mentoring relationship with a faculty member who oversees the student's progress toward his or her individual research goals.

### General Admission Requirements

In addition to submitting a University Admissions Application, applicants must also apply separately to the department. Please note that acceptance into the University does not guarantee admittance to the department. Application forms are available in the department graduate studies office. Completed applications and transcripts from all colleges and universities attended (except Cal State L.A.) must be received by the department as well as the admissions office before action on admission can be taken. Note that application deadlines for each program and required supporting materials are stated within the department's application form.

#### The minimum requirements for admission to the graduate program in psychology are:

- Completion of an undergraduate major in psychology with a grade point average of 2.75 or higher in the last 90 quarter units of work at an accredited institution.
- or
- For students who's bachelor's degree is not in psychology, completion of the non-major conditional program of 36 units (described below) with a GPA of 3.0 or higher.

*Note that these minimum admissions requirements apply to the MA degree and to the MS degree with MFT option only; both the ABA and the Forensic Psychology options of the MS degree require a minimum GPA of 3.0.*

### Special Action Admission

Applicants who do not meet the minimum GPA requirements must petition directly to the department for admission by Psychology / 643 special action. All petitions must be accompanied by evidence that the applicant is qualified for graduate work. This evidence could include (but is not limited to) relevant experience or an advance psychology GRE score of 550 or higher. Students whose petitions are approved must complete a 16 unit conditional program of upper division course work in psychology with a minimum GPA of 3.0.

Students are cautioned that no credit toward a graduate degree can be earned before completion of the conditional program.

### Non-major conditional program for students whose baccalaureate is not in Psychology

The following prerequisites (or their equivalents) must be completed before beginning the master's program.

#### Required (20 units):

- PSY 202 - Descriptive Statistics in Psychology (5)
- PSY 302 - Inferential Statistics in Psychology (5)
- PSY 304 - Research Methods in Psychology (6)
- PSY 308 - History and Systems of Psychology (4)

#### Required (8 units):

Select 8 units from the following:

- PSY 310 - Abnormal Psychology I (4)
- PSY 410 - Abnormal Psychology II (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)

#### Required (8 units):

Select 8 units from the following:

- PSY 401 - Physiological Psychology (4)
- PSY 421 - Psychology of Learning and Behavior (4)
- PSY 322 - Social Psychology (4)
- PSY 424 - Cognitive Psychology (4)

PSY 425 - Sensation and Perception (4)

- PSY 433 - Psychology of Cognitive Development (4) **also listed as**
- CHDV 443 - Psychology of Cognitive Development (4)

## General Program Requirements

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### Departmental Core Requirements (4-5 units)

Classified graduate students must complete within their first four courses one of the following with a grade of B or higher:

- PSY 411 - Advanced Research Methods in Psychology (4)
- PSY 414 - Analysis of Variance (4)
- PSY 417 - Single Case Research Design (4)
- PSY 491 - Multivariate Statistics (5)
- PSY 504 - Advanced Experimental Methods (4)
- PSY 515 - Advanced Statistical Methods in Psychology (4)

### Advancement to Candidacy

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Upon satisfactory completion of one of the departmental core requirements listed above, the WPE exam, and 12 additional units (16 units total) selected in consultation with an adviser, students must file Advancement to Candidacy application form (GS-10) with the department.

Enrollment in PSY 585, 595, 597, 598, 599, and the Comprehensive Examination (PSY 596) is limited to students who have been advanced to candidacy.

## Admission to the Master of Arts Program

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Students must submit a complete application by April 10 to be considered for September admission. Applicants will be notified of their status by June 1st.

### General Program Requirements

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At least 50% of the required 45 units must be 500-level. A minimum of 10 units must come from courses other than PSY 595, 597, 598, and 599.

### Core Requirement (Total 17-18 units)

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Students must complete the following with a grade of B or higher.

#### In the First Quarter (4 units):

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- PSY 495 - Introduction to Graduate Study in Psychology (4)

#### Within the First Year (9 units):

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- PSY 504 - Advanced Experimental Methods (4)
- PSY 491 - Multivariate Statistics (5)

#### One other 500-level Quantitative Course (4-5 units):

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- PSY 515 - Advanced Statistical Methods in Psychology (4)  
or
- PSY 567 - Longitudinal Methods and Analysis (5)  
or
- PSY 591 - Advanced Multivariate Statistics (5)

#### Required Courses (2-6 units)

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Select 2-6 units of PSY 597 in consultation with adviser.

#### Electives in Psychology/Related (19-20 units)

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Select 19-20 units of electives coursework in consultation with advisor to complete the 45 units required for the degree. 400-Level courses cannot comprise more than 50% of the elective units.

#### Thesis (4 units)

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- PSY 599 - Thesis (1–9) (4 units required)

## Advancement to Candidacy

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Upon satisfactory completion of the WPE Exam, PSY 495, one additional core requirement and 7-8 additional units (16 units in total), students must file the advancement to candidacy application form (GS-10) with the department.

## Psychology, M.S.

A total of 52-55 units are required depending on the option selected. At least 50% of all units for the degree must be 500-level. The Applied Behavior Analysis option requires 55 units, the Forensic Psychology Option requires 52 units, and the Marriage, and Family and Therapy option requires 55 units. The Marriage and Family Therapy (MFT) program requires an additional 18-31 units to satisfy state licensure requirements.

### General Admission Requirements

In addition to submitting a University Admissions Application, applicants must also apply separately to the department. Please note that acceptance into the University does not guarantee admittance to the department. Application forms are available in the department graduate studies office. Completed applications and transcripts from all colleges and universities attended (except Cal State L.A.) must be received by the department as well as the admissions office before action on admission can be taken. Note that application deadlines for each program and required supporting materials are stated within the department's application form.

#### The minimum requirements for admission to the graduate program in psychology are:

- Completion of an undergraduate major in psychology with a grade point average of 2.75 or higher in the last 90 quarter units of work at an accredited institution.
- or**
- For students who's bachelor's degree is not in psychology, completion of the non-major conditional program of 36 units (described below) with a GPA of 3.0 or higher.

*Note that these minimum admissions requirements apply to the MA degree and to the MS degree with MFT option only; both the ABA and the Forensic Psychology options of the MS degree require a minimum GPA of 3.0.*

### Special Action Admission

Applicants who do not meet the minimum GPA requirements must petition directly to the department for admission by Psychology / 643 special action. All petitions must be accompanied by evidence that the applicant is qualified for graduate work. This evidence could include (but is not limited to) relevant experience or an advance psychology GRE score of 550 or higher. Students whose petitions are approved must complete a 16 unit conditional program of upper division course work in psychology with a minimum GPA of 3.0.

Students are cautioned that no credit toward a graduate degree can be earned before completion of the conditional program.

### Non-major conditional program for students whose baccalaureate is not in Psychology

The following prerequisites (or their equivalents) must be completed before beginning the master's program.

#### Required (20 units):

- PSY 202 - Descriptive Statistics in Psychology (5)
- PSY 302 - Inferential Statistics in Psychology (5)
- PSY 304 - Research Methods in Psychology (6)
- PSY 308 - History and Systems of Psychology (4)

#### Required (8 units):

Select 8 units from the following:

- PSY 310 - Abnormal Psychology I (4)
- PSY 410 - Abnormal Psychology II (4)
- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)

#### Required (8 units):

Select 8 units from the following:

- PSY 401 - Physiological Psychology (4)
- PSY 421 - Psychology of Learning and Behavior (4)
- PSY 322 - Social Psychology (4)
- PSY 424 - Cognitive Psychology (4)



PSY 425 - Sensation and Perception (4)

- PSY 433 - Psychology of Cognitive Development (4) **also listed as**
- CHDV 443 - Psychology of Cognitive Development (4)

## General Program Requirements

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### Departmental Core Requirements (4-5 units)

Classified graduate students must complete within their first four courses one of the following with a grade of B or higher:

- PSY 411 - Advanced Research Methods in Psychology (4)
- PSY 414 - Analysis of Variance (4)
- PSY 417 - Single Case Research Design (4)
- PSY 491 - Multivariate Statistics (5)
- PSY 504 - Advanced Experimental Methods (4)
- PSY 515 - Advanced Statistical Methods in Psychology (4)

## Advancement to Candidacy

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Upon satisfactory completion of one of the departmental core requirements listed above, the WPE exam, and 12 additional units (16 units total) selected in consultation with an adviser, students must file Advancement to Candidacy application form (GS-10) with the department.

Enrollment in PSY 585, 595, 597, 598, 599, and the Comprehensive Examination (PSY 596) is limited to students who have been advanced to candidacy.

## Options

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- Master of Science: Applied Behavior Analysis Option
- Master of Science: Marriage Family Therapy Option
- Master of Science: Forensic Psychology Option

## Master of Science: Applied Behavior Analysis Option (55 units)

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The MS program in Applied Behavior Analysis is accredited by the Association for Behavior Analysis. The program trains students in the concepts, principles and techniques of behavior analysis as applied to the areas of counseling, behavioral medicine, organizational behavior management, as well as to the formulation and evaluation of behavioral intervention plans for individual clients. The program also prepares students for doctoral training in behavior analysis.

### Admission to the Master of Science Program in Applied Behavior Analysis

Students must submit a complete departmental application by February 1st to be considered for September admission. Students are required to have a grade point average of 3.0 or higher in the last 90 quarter units. Admission to the program requires an interview with faculty in the applied behavior analysis MS program. Applicants will be notified of their status by April 1st.

### Departmental Core Requirements (4 units)

- PSY 417 - Single Case Research Design (4)

Required courses (35 units)

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**(See below)**

Conceptual/Experimental Analysis of Behavior (12 units)

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- PSY 428 - Introduction to Analysis of Behavior (4)
- PSY 421 - Psychology of Learning and Behavior (4)
- PSY 500 - Seminar: Learning and Behavior (4)

Applied Behavior Analysis (23 Units)

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- COUN 501 - Behavior Analysis in School, Home, and Agency Settings (4)
- COUN 502 - Advanced Behavioral Contingency Management in Schools (4)
- COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education (4)
- COUN 592 - Behavior Interventions for Severe Behavior Problems (4)
- COUN 593 - Practicum: Staff Development and Consultation (3)
- PSY 528 - Seminar in Applied Behavior Analysis (4)

Electives (4 units for Thesis students; 8 units for students who opt to take the Comprehensive Exam)

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Select from the following:

- PSY 501 - Seminar: Sensation and Perception (4)
- PSY 506 - Seminar: Physiological Psychology (4)
- PSY 510 - Seminar: Abnormal Psychology (4)
- PSY 511 - Seminar: Developmental Psychology (4)
- PSY 512 - Behavior Disorders in Children (4)
- PSY 538 - Seminar: Conceptual Issues in Behavior Analysis (4)

#### Field Work (4 Units)

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- PSY 585 - Directed Clinical Practice (4)

#### Comprehensive Exam or Thesis (2, 6 units)

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#### Comprehensive Examination and Graduate Directed Study (2 units)

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- PSY 596 - Comprehensive Examinations (0)
- PSY 598 - Graduate Directed Study (1–4) (2)

#### Graduate Research and Thesis (6 Units)

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Students who select the comprehensive examination (PSY 596) must be advanced to candidacy and must comply with college requirements before enrolling to take the examination.

Students who want to opt for the Thesis Option must be advanced to candidacy, must maintain a 4.0 GPA in the first 16 units of psychology ABA coursework, and must pass an ABA program writing competency exam by the end of the spring quarter of their first year in the program.

- PSY 597 - Graduate Research (1–6) (2)
- PSY 599 - Thesis (1–9) (4)

### **Master of Science: Marriage Family Therapy Option (55 units)**

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The major with this option is designed to partially fulfill state regulations for licensure in Marriage Family Therapy as outlined in the Business and Professions Code Section 4980.37. To complete state requirements for licensing, students in this option must take additional units. Generally, students will need a total of 73-86 units in order to meet all state requirements, depending upon prior coursework. This program further prepares students with the skills necessary for employment in mental health and related fields that utilize psychological and counseling services.

### **Admission to the Master of Science Program in Marriage and Family Therapy (MFT)**

Students must submit a complete departmental application by February 1 to be considered for September admission. Final acceptance into the program requires a personal interview.

#### **Departmental Core Requirement (4 units)**

- PSY 411 - Advanced Research Methods in Psychology (4)

#### Required Courses (33 units)

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- PSY 412A - Psychology of Human Development: Infancy and Childhood (4)
- PSY 426 - Family Therapy Dynamics and Perspectives (4)
- PSY 436A - Counseling and Psychotherapy: Theories, Methods, and Issues (4)
- PSY 431 - Statistical Methods in Psychological Assessment (5)
- PSY 464 - Psychology and the Law (4)
- PSY 510 - Seminar: Abnormal Psychology (4)
- PSY 512 - Behavior Disorders in Children (4)
- PSY 542 - Human Sexuality: Dysfunction and Treatment (4)

#### **Required Fieldwork (16 units)**

- PSY 585 - Directed Clinical Practice (4) (16)

#### **Comprehensive Examination and Graduate Directed Study (2 units)**

The student should complete PSY 598 units under faculty supervision during the quarter prior to enrolling in the comprehensive exam. The Comprehensive Examination (PSY 596) should be taken the quarter all courses for the program are completed.

- PSY 596 - Comprehensive Examinations (0)
- PSY 598 - Graduate Directed Study (1–4) (2)

#### **Electives to Qualify for Licensing (18-31 Units)**

*\*\*Must be taken as a sequence and appear on graduate program.*

- PSY 410 - Abnormal Psychology II (4)
- PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood (4)
- PSY 462 - Psychology of Human Development: Maturity and Aging (4)
- COUN 552 - Counseling and Human Sexuality (4)
- SOC 460 - Race and Ethnic Relations (4)
- COUN 503 - Sociological and Cultural Factors in Counseling (4)
- PSY 465 - Multicultural Psychology: Current Issues and Research (4)
- PSY 427 - Family Therapy Techniques: Strategies for Change (4)
- PSY 436B - Counseling and Psychotherapy: Theories, Methods, and Issues (4)
- CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence (4)
- COUN 450 - Counseling Theories (3)
- COUN 428 - Measurement Issues in Counseling (4)
- CHDV 508A - Research Methods (4)
  
- PSY 531A - Individual Testing and Case Study Techniques (4) \*\*  
**and**
- PSY 531B - Individual Testing and Case Study Techniques (4) \*\*  
**also listed as**
- COUN 531A - Individual Testing and Case Study Techniques (4) \*\*  
**and**
- COUN 531B - Individual Testing and Case Study Techniques (4) \*\*
  
- PH 456 - Drugs and Health (4)

## **The Psychology Clinic (PSY 585)**

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The Department of Psychology provides a training facility for those students in the MFT option admitted to the master's degree program. Qualified students who obtain departmental approval to work in the clinic must enroll in PSY 585, directed clinical practice. Students may counsel, children, families, and/or groups. All students accepted to work in the clinic will be subject to university policies and procedures governing the university's approved clinics.

## **Master of Science: Forensic Psychology Option (52-53 Units)**

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The M.S. in Forensic Psychology option is designed for students whose primary interest is in working or studying in areas of psychology that intersect with the Criminal Justice system. A key feature of the program is a close mentoring relationship with a faculty member who oversees the student's progress toward his or her individual career goals. All students begin their program in the fall quarter and take several core courses together. Students will also take part in a 9-month practicum (PSY 595) where they will receive hands-on training and on-site supervision.

## **Admission to the Master of Science Program in Forensic Psychology**

Students must submit a complete departmental application by April 1 to be considered for September admission. Applicants will be notified of their status by July 1.

Students are required to have a grade point average of 3.0 or higher in the last 90 quarter units to be eligible for the forensic psychology option. However, students with a GPA between 2.75 and 3.0 may be admitted if they present evidence that they are qualified for graduate work. This evidence could include relevant experience or an advanced psychology GRE score of 550 or higher. Students with a GPA below 2.75 will not be considered.

### **Prerequisites (17 units)**

- PSY 150 - Introductory Psychology (4)
- PSY 302 - Inferential Statistics in Psychology (5)
- PSY 310 - Abnormal Psychology I (4)
- PSY 318 - Psychology of Personality (4)

### **Departmental Core Requirement (4-5 units) (see above)**

#### Required Courses (36 Units)

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- PSY 464 - Psychology and the Law (4)
- PSY 531A - Individual Testing and Case Study Techniques (4)
- PSY 531B - Individual Testing and Case Study Techniques (4)
- PSY 595 - Field Experience in Psychology (1-9) (12)
- CRIM 501 - Seminar: Administration of Justice (4)
- CRIM 511 - Principles of Research (4)
- CRIM 530 - Theories and Perspectives in Criminal Justice (4)

#### Electives in Psychology/Criminal Justice (8 Units)

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Select 8 units from following:

- PSY 490 - Human Memory (4)
- PSY 586 - Brief Psychotherapy and Crisis Intervention (4)
- PSY 512 - Behavior Disorders in Children (4)
- CRIM 411 - Interpretation of Evidence in the Courtroom (4)
- PSY 510 - Seminar: Abnormal Psychology (4)

- CRIM 512 - Quantitative Applications (4)
- PSY 522 - Seminar: Social Psychology (4)

Thesis (4 Units)

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- PSY 599 - Thesis (1–9) (4)

## Department of Sociology

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### DEPARTMENT OFFICE

King Hall C3093

Phone: (323) 343-2200 FAX (323) 343-5155

E-mail: [sociol@calstatela.edu](mailto:sociol@calstatela.edu)

Website: <http://www.calstatela.edu/academic/soc>

Sociology is the scientific study of social behavior, social institutions, and social structure. It provides a background of understanding and research skills for students interested in a variety of occupations. The department's programs prepare students for advanced professional study in sociology and social work, as well as positions in public and private social service agencies. Sociology will have a particular appeal to students whose intellectual and career interests are broad and unspecialized.

Sociology majors study various subjects, including: race/ethnic relations, gender issues, interpersonal relationships, religion, law, health care, child development, aging, urban populations, social inequalities, crime, corrections, occupations, mass communication, social deviance, politics, social psychology, and classical and contemporary sociological theories. The primary purpose of the academic program in sociology is to enhance students' analytical abilities and understanding of social phenomena.

Students pursuing legal, educational, and governmental careers may benefit from sociological perspectives on human relations. Students who intend to follow careers in management, marketing, human resources, public relations, advertising, journalism, criminal justice, nursing, and comparable areas may find particular value in combining the study of sociology with their professional preparation.

Three Bachelor of Arts degree options in Sociology; minors in Sociology, in Law and Society, and in Social Gerontology; and the Master of Arts degree program are described below.

## The Faculty

**Professors:** Cristina Bodinger-de Uriarte, Steven L. Gordon (Chair), Janet Lever, Jon Snodgrass.

**Associate Professors:** Elaine Draper, Roseann Giarrusso, Hyojoung Kim, Gretchen Peterson.

**Assistant Professors:** Gabriela Fried Amilivia, Bradley Campbell, Wai Kit Choi, Louis Esparza, Sharon Oselin, Molly Talcott.

**Emeriti:** William D. Darrough, Marion V. Dearman, Lawrence K. Hong, Terry R. Kandal, Delos H. Kelly, Esther Penchef, Eleni N. Pitsiou-Darrough, Fred J. Shanley, Ronald T. Tsukashima, Eui-Young Yu.

## Minors in Sociology

The Department of Sociology offers minor programs for students majoring in other fields. The Minor in Sociology requires 28 units, the Law and Society Minor requires 28 units, and the Social Gerontology Minor requires 24-28 units.

## Programs for this Department:

### Undergraduate Major

- Sociology, B.A.

### Undergraduate Minor

- Law and Society Minor
- Social Gerontology Minor

- Sociology Minor

### Graduate Major

- Sociology, M.A.

## Sociology, B.A.

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The Department of Sociology offers a Bachelor of Arts degree in Sociology with three options: the General Sociology Option, the Law and Society Option, and the Inequalities and Diversity Option. Also offered are minors in Sociology, in Law and Society, and in Social Gerontology for students majoring in other fields.

The total number of units required for the Bachelor of Arts in Sociology is 180 units, of which 68 units are in the major. Consult with an adviser for the specific number of units required in all areas of the degree, including GE and free electives.

### Required Advisement

All students desiring to undertake a major or minor in sociology must confer with a department adviser before or during their first quarter in the program and annually thereafter.

Advisement shall occur at these times:

- By the end of the first year in residence to establish a degree plan
- After reaching 90 units (and before 120 units) to review progress toward graduation
- Two quarters before completing degree requirements (and at least 135 units completed) to file a graduation application

### Sequence Recommendation

To facilitate scheduling, specific prerequisites have been omitted from most courses. It is highly recommended, however, that suggested sequences be observed, since later coursework will assume familiarity with prior course material.

The following are strongly recommended or required:

Students who transfer without having completed equivalent courses should include SOC 201 and 210AB among their first courses at Cal State L.A.

- SOC 310 and SOC 390 should be taken soon after 210;
- Sociology majors should take SOC 412 before 414.

### Requirements for the Major (68 units)

Major requirements combine a common set of 28 units of required coursework with 40 additional units of work relevant to one of the three options: General Sociology, Law and Society, or Inequalities and Diversity.

#### Required Courses (28 units)

- SOC 201 - Principles of Sociology (4)
- SOC 210 - Elementary Statistics (4)
- SOC 301 - Writing for Sociology (4)
- SOC 310 - Intermediate Statistics (4)
- SOC 390 - Methods of Social Research (4)
- SOC 412 - Classical Sociological Theory (4)
- SOC 414 - Contemporary Sociological Theory (4)

### Internship

By enrolling in SOC 398 or SOC 498 or in SOC 405 - Sociology Internships and Service Learning, sociology majors can earn up to 4 credits per quarter for a maximum of 8 credits in a directed internship program. Students must arrange a work agreement with any approved agency. See the Sociology internship coordinator or SOC 405 class instructor for specific prerequisites, list of approved agencies, workload agreement, and other program details.

### Options (40 units)

The following courses in one of three options are required in addition to the required courses described above.

- General Sociology Option
- Law and Society Option

- Inequalities and Diversity Option

## General Sociology Option (40 units)

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### Upper Division Electives

Select 40 units in sociology and other fields, in consultation with adviser; a program may include SOC 398, SOC 498, and SOC 499, But no more than 8 units of any combination of these courses normally may be counted toward the major. With prior approval of adviser, students may select up to 8 units in other fields to complete a comprehensive sociological program with an interdisciplinary emphasis.

*Note: SOC 330 may not be used as electives on the sociology major program.*

## Law and Society Option (40 units)

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The Law and Society Option explores a broad range of critical social and scientific issues concerning multiple facets of the law, including crime, deviance, human rights, and legal institutions from a sociological perspective. It prepares students for a wide variety of careers and professional programs and informs them about how social forces influence the legal system and how the law affects society, definitions of deviance and crime, and explanations for why individuals engage in these activities. It is designed for students who wish to pursue advanced study in areas such as sociology, law, graduate law and society programs, public health, criminology, social welfare, education, and business administration; those who wish to do applied research on law-related issues; and those who wish to gain a sociological understanding of law and society before seeking careers in health professions, criminal justice, social work, politics, public policy or policy analysis, public administration, urban and environmental planning, counseling, and other service occupations.

### Upper Division Required Course (4 units)

- SOC 488 - Sociology of Law (4)

### Upper Division Law and Society Electives (16 units)

Select 16 units from these courses. These may include up to 8 units of independent work in law and society (internship or directed study) or law-related coursework from other departments with the Law and Society adviser's approval.

- SOC 383 - Violence in American Society (4)
- SOC 426 - Deviant Behavior (4)
- SOC 433 - Bioethics and Sociology (4)
- SOC 449 - Professionals in Society (4)
- SOC 479 - Drug Use and Public Policy (4)
- SOC 480 - Criminology (4)
- SOC 482 - Juvenile Delinquency (4)
- SOC 483 - Sociology of Human Rights (4)
- SOC 485 - Conflict and Domestic Violence (4)
- SOC 487 - Environmental Policy, Law, and Society (4)

### Upper Division General Electives (20 units)

Select 20 units in sociology and other fields, in consultation with adviser; a program may include SOC 398, SOC 498, and SOC 499, But no more than 8 units of any combination of these courses normally may be counted toward the major. With prior approval of adviser, students may select up to 8 units in other fields to complete a comprehensive sociological program with an interdisciplinary emphasis.

*Note: SOC 325 and 330 may not be used as electives on the sociology major program.*

### Field Experience and Independent Study Opportunities

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The directed study course (SOC 499) allows students to expand on their special interests in law and society. A directed study is usually in an area that the department's normal course offerings do not cover. Students meet regularly with their faculty supervisor and earn 1 to 4 units of credit and up to 8 units if the course is repeated. Individual research projects may involve library or field research.

### Internship Opportunities

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Students can earn up to 8 units in a directed internship program (SOC 398 or 498 ) or through the Sociology Internships and Service Learning (SOC 405 ) by arranging a work agreement with an approved agency (such as a government agency, business, or citizen group) and their faculty adviser the quarter before enrolling in the course.

### Honors Program in the Law and Society Option

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The Law and Society Option sponsors a senior honors program for our top undergraduates. During their final undergraduate year, students enroll in SOC 496, conduct an independent research project under the supervision of a faculty member in the Sociology department, and write a senior honors thesis. Students who complete the honors program graduate with distinction in the Law and Society Option. Eligibility criteria are: a Law and Society Option student with senior class standing, minimum of 3.5 grade point average, and completion of specific courses required for the major and Law and Society Option (SOC 201, SOC 488, at least four upper division courses in the Sociology Major, and at least two additional upper division courses in the Law and Society Option).

Diplomas and transcripts of honors program graduates are designated: "Graduated with Departmental Honors in the Law and Society Option in Sociology."

## **Inequalities and Diversity Option (40 units)**

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### **Upper Division Required Course (4 units)**

- SOC 348 - Class, Race/Ethnicity, and Gender (4)

### **Upper division inequalities/diversity electives (16 units)**

Select 16 units from these courses:

- SOC 300 - Cultural Emotions (4)
- SOC 331 - The Dynamics of Poverty (4)
- SOC 341 - Sociology of Gender Roles (4)
- SOC 415 - Political Sociology (4)
  
- SOC 416 - Feminist Theories and Contemporary Society (4) **also listed as**
- WOMN 416 - Feminist Theories and Contemporary Society (4)
  
- SOC 421 - Social Sources of Human Sexuality (4)
  
- SOC 423 - Political Sociology of Globalization and Resistance (4) **also listed as**
- SOC 435 - Asian Societies (4)
- SOC 441 - Researching Gender in Social Institutions (4)
- SOC 442 - Social Change (4)
- SOC 443 - Diversity in Alternative Families (4)
- SOC 445 - Sociology of Religion (4)
- SOC 447 - Work and the Workplace (4)
- SOC 448 - Social Class and Inequality (4)
- SOC 460 - Race and Ethnic Relations (4)

### **Upper Division General Electives (8 units)**

Select 8 units of upper division courses in sociology in consultation with adviser; a program may include SOC 398, SOC 498, and SOC 499.

*Note: SOC 330 may not be used as electives on the sociology major program.*

### **Upper Division Inequalities and Diversity Electives in Ethnic/Area Studies (12 units)**

With adviser approval, select 12 units from outside of sociology that relate to the following areas. Courses must be taken from at least 2 different areas.

- Area I: Asian and Asian American Studies
- Area II: Chicano Studies
- Area III: Latin American Studies
- Area IV: Pan-African Studies

*Note on theme courses: Courses from departments other than sociology being used to satisfy the GE Theme requirement cannot also be counted on the major.*



## Law and Society Minor

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The Minor in Law and Society is designed for students majoring in other fields who wish to study how social forces influence the legal system and how the law affects society from a sociological perspective. The minor helps prepare students for a wide variety of law-related careers and professional programs.

### Requirements for the Minor (28 units)

#### Lower Division Required Course (4 units)

- SOC 201 - Principles of Sociology (4)

#### Upper Division Required Course (4 units)

- SOC 488 - Sociology of Law (4)

#### Core Elective (4 units)

Select one course from the following:

- CRIM 126 - Concepts of Criminal Law (4)
- CRIM 203 - Judicial Organization (4)
- PHIL 490 - Philosophy of Law (4)
- POLS 441 - American Constitutional Law: Federalism (4)
- POLS 442 - American Constitutional Law: Civil Rights (4)
- POLS 443 - American Constitutional Law: Civil Liberties (4)

#### Electives (16 units)

Select 16 units from the following courses. These electives may include up to 8 units of independent work in Law and Society (internship or directed study) with the Law and Society adviser's approval. Law-related coursework from other departments requires adviser approval.

- SOC 383 - Violence in American Society (4)
- SOC 426 - Deviant Behavior (4)
- SOC 433 - Bioethics and Sociology (4)
- SOC 449 - Professionals in Society (4)
- SOC 479 - Drug Use and Public Policy (4)
- SOC 480 - Criminology (4)
- SOC 482 - Juvenile Delinquency (4)
- SOC 483 - Sociology of Human Rights (4)
- SOC 485 - Conflict and Domestic Violence (4)
- SOC 487 - Environmental Policy, Law, and Society (4)
- CRIM 308 - White Collar Crime (4)
- CRIM 470 - Women and Crime (4)

#### Field Experience and Independent Study Opportunities

Directed study (SOC 499) allows students to expand on their special interests in law and society. A directed study is usually in an area that the department's normal course offerings do not cover. Students meet regularly with their faculty supervisor and earn 1 to 4 units of credit and up to 8 units if the course is repeated. Individual research projects may involve library or field research.

#### Internship Opportunities

Students can earn up to 8 units in a directed internship program (SOC 398 or 498) or through the Sociology Internships and Service Learning

SOC 405 class by arranging a work agreement with an approved agency (such as a government agency, business, or citizen group) and their faculty adviser the quarter before enrolling in the course.

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## Social Gerontology Minor

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The Minor in Social Gerontology is designed to prepare individuals for occupations related to the needs and activities of older persons, and for advanced research in the field of aging. The minor requires completion of 24–28 units.

### Requirements for the Minor (24–28 units)

#### Lower Division Required Course (4 units)

- SOC 201 - Principles of Sociology (4)

#### Upper Division Required Courses (8 units)

- SOC 323 - Socialization: Maturity and Aging (4)
- SOC 450 - Sociology of Aging (4)

#### Electives (12-16 units)

Select up to 8 units from each group, with adviser approval:

##### Group I

- SOC 300 - Cultural Emotions (4)
- SOC 390 - Methods of Social Research (4)
- SOC 425 - Medical Sociology (4)
- SOC 427 - Society and Mental Illness (4)
- SOC 452 - Life Span Transitions: The Retirement Years (4)
- SOC 453 - Social Aspects of Death and Bereavement (4)
- SOC 485 - Conflict and Domestic Violence (4)
- \* SOC 454 - Selected Topics in Sociology (1–6)

Note:

\*Only When Topical Area is Gerontology.

##### Group II

- SW 450 - Crosscultural Practice with Aging Populations (4)
- SW 461 - Social Work Practice in Minority Communities (4)
- SW 465 - Programs and Policies Related to the Elderly (4)
- SW 482 - Social Work Practice IV: Community Organization (4)
- SW 478 - Social Welfare Policy and Social Services (4)
- PSY 462 - Psychology of Human Development: Maturity and Aging (4)

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## Sociology Minor

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A Minor in Sociology provides valuable preparation for students majoring in business, criminal justice, journalism, recreation, and other fields.

A total of 28 units in required and elective courses comprises the Minor in Sociology. Students who have an equivalent research methods course in their major may substitute another four-unit, 400-level sociology course for the SOC 390 requirement below. A statistics course normally is prerequisite to SOC 390.

### Requirements for the Minor (28 units)

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#### Lower Division Required Course (4 units)

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- SOC 201 - Principles of Sociology (4)

#### Upper Division Required Courses (8 units)

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- SOC 390 - Methods of Social Research (4)
- SOC 414 - Contemporary Sociological Theory (4)

#### Electives (16 units)

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Select additional upper division courses with adviser approval.

SOC 398, 498, and 499 may not be included as electives for the Minor in Sociology.

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## Sociology, M.A.

The Master of Arts degree in Sociology provides advanced study in sociological theory and methods of research with a variety of subject matter emphases that students plan with a graduate adviser. The program prepares students for doctoral studies, teaching at the secondary or community college level, or working in a professional capacity in government agencies or private organizations. Two options are offered. Option A requires a thesis and Option B requires a comprehensive examination.

### Admission to the Program

Fall is the admission quarter for the MA Program in Sociology. In addition to the university application, students who graduated from a school other than CSULA must submit copies of their official transcripts directly to the Sociology Department. Students will be accepted until the deadlines established by the university for fall term admissions.

Prerequisites to admission are course equivalents to SOC 201, 210, 390, 412, 414, and the four other most recently completed, upper-division\* sociology courses not including independent supervision courses. Satisfactory equivalents will be determined by a graduate adviser in sociology. Applicants must have achieved a grade point average of 2.75 or above in the last 90 quarter units of the undergraduate program and a grade point average of 3.0 or above for the initial completion of all prerequisite courses, in addition to meeting university requirements for admission to graduate study.

*\*(If taken at CSULA, these must be 400 level courses.)*

#### Requirements for the Degree (45 units)

A total of 45 units is required, with at least 23 in 500-level courses.

##### Required Courses (28 units)

- SOC 410 - Advanced Statistics (4) \*
- SOC 490 - Quantitative Research Methods in Sociology (4) \*
- SOC 491 - Qualitative Research Methods in Sociology (4) \*
- SOC 497 - Proseminar: Introduction to Graduate Studies, the Discipline, and the Profession (4) \*
- SOC 512 - Seminar: History of Sociological Theory (4)
- SOC 514 - Seminar: Contemporary Sociological Theory (4)
- SOC 590 - Seminar: Sociological Research (4)

**Note:**

*\*If taken in undergraduate standing, Sociology 400-level or 500-level elective courses must be substituted to equal required units.)*

##### Electives (17 units)

These 17 elective units do not include electives substituted for required courses above. These 17 elective units must include a minimum of 8 units of 500-level courses specifically designated as SOC seminars for students who elect Option A and a minimum of 12 units for students who elect Option B.

**Note:**

SOC 594, 597, and 598 are independent supervision electives and do not count as seminars. Option A students must also take 6 units of Thesis in addition to the required seminars.

##### Comprehensive Examination or Thesis (0, 6 units)

Students elect Option A or Option B in accordance with college and department policy.

###### Option A: Thesis (6 units)

An approved thesis proposal is required for enrollment. Human subjects review clearance may be required. Oral defense of thesis is required. Students must comply with college and department requirements.

- SOC 599 - Thesis (1-3)

**Option B: Comprehensive Examination (0 units)**

The comprehensive examination (SOC 596) is a written examination in three fields of concentration: theory, methods, and one other field selected by the candidate and approved by the adviser. Students should expect to take the comprehensive examination the quarter they complete all coursework on their program and must comply with college and department requirements. Students are allowed a maximum of two attempts to complete the comprehensive examination successfully.

- SOC 596 - Comprehensive Examination (0)

## Program in Asian and Asian-American Studies

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### PROGRAM OFFICE

King Hall B4022

Program Director: Ping Yao

Phone: (323) 343-2442

E-mail: [aaas@calstatela.edu](mailto:aaas@calstatela.edu)

Website: [www.calstatela.edu/academic/aaas/index.php](http://www.calstatela.edu/academic/aaas/index.php)

The minor listed below is interdisciplinary in nature and is open to interested students in all majors throughout the campus. The program is administered by the College of Natural and Social Sciences.

## The Faculty

*Coordinator:* Ping Yao.

## Programs for this Program:

### Undergraduate Major

- Asian and Asian American Studies, B.A.

### Undergraduate Minor

- Asian Studies Minor

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## Asian and Asian American Studies, B.A.



Print this Page

The B.A. Degree Program in Asian and Asian American Studies at CSULA is an interdisciplinary program with an emphasis on the connections between Asian and Asian American Studies. The program is built on a solid foundation of languages, cultures and histories of Asia while emphasizing both the global and the local dimension of social, cultural, economic and political connections between Asia and Asian America.

The primary objectives of the program are to explore and study historical and contemporary transnational links between Asia and Asian America, between diasporas and their homeland, and the flexible and dynamic mutual social, cultural, economic and political influences they have on each other; to provide background on cultural continuity and reconstructions as immigrant and diasporic groups are formed as they settle in new homelands; and to explore interactions and mutual influences as different cultural groups interact within multiethnic, multicultural and multi-religious communities such as the United States.

The total number of units required for the Bachelor of Arts degree in Asian and Asian American Studies is 180 units, of which 80 units are in the major. Students have a choice of an Asian Studies option or an Asian American Studies option.

### Requirements for the Major (80 units)

Both options require a common core of 64 units of lower and upper division courses.

#### Required Core (64 units)

##### Lower Division Required Courses (20 units)

- AAAS 108 - Comparative Ethnic Studies (4) **also listed as**
- CHS 108 - Comparative Ethnic Studies (4) **also listed as**
- LAS 108 - Comparative Ethnic Studies (4) **also listed as**
- PAS 108 - Comparative Ethnic Studies (4)
  
- AAAS 140 - Introduction to Globalization, Race, and Place (4) **also listed as**
- LAS 140 - Introduction to Globalization, Race, and Place (4) **also listed as**
- PAS 140 - Introduction to Globalization, Race, and Place (4)
  
- AAAS 200 - Pacific Asian Culture, People, and Society (4)
- HIST 150 - Asian-American History (4)
- **or**
- SOC 263 - Asian-American Experience (4)
- AAAS 160 - History of Asia (4) **also listed as**
- HIST 160 - History of Asia (4)
  
- AAAS 170 - Understanding Contemporary Asia (4)

##### Upper Division Required Courses (20 units)

- AAAS 300 - Interdisciplinary Approaches to Asian/Asian American Studies (4)
- SOC 301 - Writing for Sociology (4)
- AAAS 350 - Ancient East Asian Literature and the Modern World (4)
- AAAS 415 - Asian American Communities in Southern California (4)
- AAAS 480 - Asia in the Global World (4)

##### Special Studies (8 units)

- AAAS 450A - Advanced Seminar in Asian and Asian-American Studies - Research Method (4)
- AAAS 450B - Advanced Seminar in Asian and Asian American Studies- Community Engagement (4)
- AAAS 450C - Advanced Seminar in Asian and Asian-American Studies- Cultural Competency (4)

##### Social Science Courses on Asia and The Pacific (8 units)

Select 8 units from the following:

- AAAS 418 - History of Islamic Central Asia (4) **also listed as**
- HIST 418 - History of Islamic Central Asia (4)
  
- ANTH 414 - Peoples of Asia (4)

- HIST 494A - Traditional China (4)
- HIST 494B - Modern China (4)
- HIST 494C - People's Republic of China (4)
- HIST 495B - Modern Japan (4)
- POLS 452 - Government and Politics of China (4)
- POLS 458 - Politics in Asian-American Immigration (4)
- POLS 459 - Politics of East Asia (4)
- SOC 435 - Asian Societies (4)

Humanities (Arts, Literature and Culture) - (8 units)

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Select 8 units from the following:

- AAAS 180 - Chinese Written Symbols in Asian and Asian American Communities (4) **also listed as**
- ML 180 - Chinese Written Symbols in Asian and Asian American Communities (4)
- JAPN 307 - Japanese Literature in Translation (4)
- ML 382 - Maturity and Aging in East Asia and Romance Literatures (4)
- PHIL 415 - Philosophy of Religion (4)
- PHIL 437 - East Asian Philosophy (4)
- RELS 410 - Asian Religions (4)

## Options (16 units)

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### Option 1: Asian Studies (16 units)

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#### Languages: Requirement (12 units)

Select 12 units from the following or demonstrate proficiency equivalent to satisfactory completion of a one-year course of study in an Asian language. Students may waive and receive credit for language requirement by examination.

- CHIN 100A - Elementary Mandarin (4)
  - CHIN 100B - Elementary Mandarin (4)
  - CHIN 100C - Elementary Mandarin (4)
  - CHIN 200A - Intermediate Mandarin (4)
  - CHIN 200B - Intermediate Mandarin (4)
  - CHIN 200C - Intermediate Mandarin (4)
  - CHIN 300A - Advanced Chinese I (4)
  - CHIN 300B - Advanced Chinese II (4)
  - JAPN 100A - Elementary Japanese (4)
  - JAPN 100B - Elementary Japanese (4)
  - JAPN 100C - Elementary Japanese (4)
  - JAPN 200A - Intermediate Japanese (4)
  - JAPN 200B - Intermediate Japanese (4)
  - JAPN 200C - Intermediate Japanese (4)
  - JAPN 300A - Advanced Japanese (4)
  - JAPN 300B - Advanced Japanese (4)
  - JAPN 300C - Advanced Japanese (4)
  - KOR 100A - Elementary Korean (4)
  - KOR 100B - Elementary Korean (4)
  - KOR 100C - Elementary Korean (4)
  - KOR 200A - Intermediate Korean (4)
  - KOR 200B - Intermediate Korean (4)
  - KOR 200C - Intermediate Korean (4)
  - KOR 300A - Advanced Korean (4)
  - KOR 300B - Advanced Korean (4)
  - THAI 100A - Elementary Thai (4)
  - THAI 100B - Elementary Thai (4)
  - THAI 100C - Elementary Thai (4)
  - VIET 100A - Elementary Vietnamese (4)
  - VIET 100B - Elementary Vietnamese (4)
  - VIET 100C - Elementary Vietnamese (4)
  - AAAS 499 - Undergraduate Directed Study (1–4)
- or**  
Demonstrated Competency (12)

#### Depth Course Requirement (4 units)

Select 4 units from the following:

- AAAS 160 - History of Asia (4) **also listed as**
- HIST 160 - History of Asia (4)
- AAAS 170 - Understanding Contemporary Asia (4)
- POLS 452 - Government and Politics of China (4)
- POLS 459 - Politics of East Asia (4)

#### Electives (0-12)

A maximum of 8 units in cognate fields may be taken with adviser approval.

- AAAS 499 - Undergraduate Directed Study (1–4)
- CHS 111 - Cultural Diversity and Chicanos (4)
- COMM 459 - Intercultural Business Communication (4) **also listed as**



- MKT 459 - Intercultural Business Communication (4)
- COMM 389 - Intercultural Communication in the Urban Environment (4)
- EDFN 380 - Education and Development in the Third World (4) **also listed as**
- PAS 380 - Education and Development in the Third World (4)
- FIN 431 - Multinational Financial Management (4)
- GEOG 431 - California (4)
- GEOG 432 - Metropolitan Los Angeles (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- HIST 489 - Los Angeles (4)
- PAS 416 - Pan Africanism and World Politics (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)
- SOC 460 - Race and Ethnic Relations (4)
- CHIN 100A - Elementary Mandarin (4)
- CHIN 100B - Elementary Mandarin (4)
- CHIN 100C - Elementary Mandarin (4)
- CHIN 200A - Intermediate Mandarin (4)
- CHIN 200B - Intermediate Mandarin (4)
- CHIN 200C - Intermediate Mandarin (4)
- CHIN 300A - Advanced Chinese I (4)
- CHIN 300B - Advanced Chinese II (4)
- JAPN 100A - Elementary Japanese (4)
- JAPN 100B - Elementary Japanese (4)
- JAPN 100C - Elementary Japanese (4)
- JAPN 200A - Intermediate Japanese (4)
- JAPN 200B - Intermediate Japanese (4)
- JAPN 200C - Intermediate Japanese (4)
- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
- KOR 100A - Elementary Korean (4)
- KOR 100B - Elementary Korean (4)
- KOR 100C - Elementary Korean (4)
- KOR 200A - Intermediate Korean (4)
- KOR 200B - Intermediate Korean (4)
- KOR 200C - Intermediate Korean (4)
- KOR 300A - Advanced Korean (4)
- KOR 300B - Advanced Korean (4)
- KOR 300C - Advanced Korean (4)
- THAI 100A - Elementary Thai (4)
- THAI 100B - Elementary Thai (4)
- THAI 100C - Elementary Thai (4)
- VIET 100A - Elementary Vietnamese (4)
- VIET 100B - Elementary Vietnamese (4)
- VIET 100C - Elementary Vietnamese (4)

## Option 2: Asian American Studies (16 units)

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### Language Requirement (4 units)

Select 4 units or demonstrate equivalent proficiency in an Asian language. Students may waive and receive credit for language requirement by examination. When applicable, this course may be double-counted towards Block C in the GE Requirements.

- CHIN 100A - Elementary Mandarin (4)
- CHIN 100B - Elementary Mandarin (4)
- CHIN 100C - Elementary Mandarin (4)
- CHIN 200A - Intermediate Mandarin (4)
- CHIN 200B - Intermediate Mandarin (4)
- CHIN 200C - Intermediate Mandarin (4)
- CHIN 300A - Advanced Chinese I (4)
- CHIN 300B - Advanced Chinese II (4)
- JAPN 100A - Elementary Japanese (4)
- JAPN 100B - Elementary Japanese (4)
- JAPN 100C - Elementary Japanese (4)
- JAPN 200A - Intermediate Japanese (4)
- JAPN 200B - Intermediate Japanese (4)
- JAPN 200C - Intermediate Japanese (4)
- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
- KOR 100A - Elementary Korean (4)
- KOR 100B - Elementary Korean (4)
- KOR 100C - Elementary Korean (4)
- KOR 200A - Intermediate Korean (4)
- KOR 200B - Intermediate Korean (4)
- KOR 200C - Intermediate Korean (4)
- KOR 300A - Advanced Korean (4)
- KOR 300B - Advanced Korean (4)
- KOR 300C - Advanced Korean (4)
- THAI 100A - Elementary Thai (4)
- THAI 100B - Elementary Thai (4)
- THAI 100C - Elementary Thai (4)
- VIET 100A - Elementary Vietnamese (4)
- VIET 100B - Elementary Vietnamese (4)
- VIET 100C - Elementary Vietnamese (4)

- AAAS 499 - Undergraduate Directed Study (1–4)  
Or Demonstrate Competency (4)

#### Depth Course Requirement (4 units)

Select 4 units from the following:

- HIST 150 - Asian-American History (4)
- SOC 263 - Asian-American Experience (4)
- AAAS 408 - Comparative Diaspora Studies (4) **also listed as**
- CHS 408 - Comparative Diaspora Studies (4) **also listed as**
- LAS 408 - Comparative Diaspora Studies (4) **also listed as**
- HIST 488 - California (4)
- POLS 458 - Politics in Asian-American Immigration (4)

#### Electives (8-12 units)

A maximum of 8 units in cognate fields may be taken with adviser approval.

- AAAS 499 - Undergraduate Directed Study (1–4)
- CHS 111 - Cultural Diversity and Chicanos (4)
- COMM 459 - Intercultural Business Communication (4) **also listed as**
- MKT 459 - Intercultural Business Communication (4)
- COMM 389 - Intercultural Communication in the Urban Environment (4)
- EDFN 380 - Education and Development in the Third World (4) **also listed as**
- PAS 380 - Education and Development in the Third World (4)
- FIN 431 - Multinational Financial Management (4)
- GEOG 431 - California (4)
- GEOG 432 - Metropolitan Los Angeles (4)
- HIST 480 - Ethnicity and Immigration in American History (4)
- HIST 489 - Los Angeles (4)
- PAS 416 - Pan Africanism and World Politics (4)
- PSY 439 - Racial/Ethnic Minority Mental Health (4)
- SOC 460 - Race and Ethnic Relations (4)
- CHIN 100A - Elementary Mandarin (4)
- CHIN 100B - Elementary Mandarin (4)
- CHIN 100C - Elementary Mandarin (4)
- CHIN 200A - Intermediate Mandarin (4)
- CHIN 200B - Intermediate Mandarin (4)
- CHIN 200C - Intermediate Mandarin (4)
- CHIN 300A - Advanced Chinese I (4)
- CHIN 300B - Advanced Chinese II (4)
- JAPN 100A - Elementary Japanese (4)
- JAPN 100B - Elementary Japanese (4)
- JAPN 100C - Elementary Japanese (4)
- JAPN 200A - Intermediate Japanese (4)
- JAPN 200B - Intermediate Japanese (4)
- JAPN 200C - Intermediate Japanese (4)
- JAPN 300A - Advanced Japanese (4)
- JAPN 300B - Advanced Japanese (4)
- JAPN 300C - Advanced Japanese (4)
- KOR 100A - Elementary Korean (4)
- KOR 100B - Elementary Korean (4)
- KOR 100C - Elementary Korean (4)
- KOR 200A - Intermediate Korean (4)
- KOR 200B - Intermediate Korean (4)
- KOR 200C - Intermediate Korean (4)
- KOR 300A - Advanced Korean (4)
- KOR 300B - Advanced Korean (4)
- KOR 300C - Advanced Korean (4)
- THAI 100A - Elementary Thai (4)
- THAI 100B - Elementary Thai (4)
- THAI 100C - Elementary Thai (4)
- VIET 100A - Elementary Vietnamese (4)
- VIET 100B - Elementary Vietnamese (4)
- VIET 100C - Elementary Vietnamese (4)

## Asian Studies Minor

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### Requirements for the Minor (20 units)

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#### Required Core courses (12 units)

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- AAAS 200 - Pacific Asian Culture, People, and Society (4)
- AAAS 300 - Interdisciplinary Approaches to Asian/Asian American Studies (4)  
Any Elementary, Intermediate or Advanced Asian Language (4)

Note: Students may waive and receive credit for language requirement by examination. When applicable, this course may be double-counted towards block C in the GE Requirements.

#### Electives (8 units)

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With adviser's guidance and approval, select 4 units from each of the following areas:

##### Area I: Art, Literature, Music, Philosophy, History, and Religious Studies

- AAAS 350 - Ancient East Asian Literature and the Modern World (4)
- AAAS 418 - History of Islamic Central Asia (4) **also listed as**
- HIST 418 - History of Islamic Central Asia (4)
- ART 431A - The Arts of Asia: India and Iran (4)
- CHIN 430 - Chinese Literature in Translation (4)
- HIST 494A - Traditional China (4)
- HIST 494B - Modern China (4)
- HIST 494C - People's Republic of China (4)
- HIST 495A - Traditional Japan (4)
- HIST 495B - Modern Japan (4)
- JAPN 307 - Japanese Literature in Translation (4)
- JAPN 460 - Proseminar: Masters of Japanese Culture and Thought (4)
- ML 382 - Maturity and Aging in East Asia and Romance Literatures (4)
- PHIL 436 - South Asian Philosophy (4)
- PHIL 437 - East Asian Philosophy (4)
- RELS 410 - Asian Religions (4)

##### Area II: Anthropology, Geography, Political Science, Sociology, Education, and Economics

- ANTH 414 - Peoples of Asia (4)
- AAAS 450A - Advanced Seminar in Asian and Asian-American Studies - Research Method (4)  
**or**
- AAAS 450C - Advanced Seminar in Asian and Asian-American Studies- Cultural Competency (4)
- ECON 360 - Developing Countries and the New Global Economy (4)
- EDFN 380 - Education and Development in the Third World (4) **also listed as**
- PAS 380 - Education and Development in the Third World (4)
- GEOG 430 - China (4)
- POLS 452 - Government and Politics of China (4)
- POLS 459 - Politics of East Asia (4)
- SOC 435 - Asian Societies (4)

## Program in Latin American Studies

### PROGRAM OFFICE

King Hall C4073A

Phone: (323) 343-2290

Website: <http://www.calstatela.edu/academic/las/>

E-mail: [las@calstatela.edu](mailto:las@calstatela.edu)

## The Program and Its Mission

Latin American Studies is an interdisciplinary program that combines subject matter from several academic disciplines to give the student a broad background encompassing the historical, social, cultural, and geographic realities of the region as well as training in the Spanish language. It offers students interested in Latin America the opportunity to pursue a major in this field of study leading to the Bachelor of Arts and Master of Arts degrees. The program also offers the minor in Latin American Studies and a minor in Central American Studies. The undergraduate program is described below, followed by the *Graduate* program section.

## The Faculty

**Program Director:** Beth Baker-Cristales.

**Associate Director:** Angela Vergara.

Instruction for the Latin American Studies program is provided by members of the faculty who are experts on Latin America from cooperating disciplines in the colleges of Natural and Social Sciences, Arts and Letters, Business and Economics, and the Charter College of Education, as well as instructors in Latin American Studies.

## Programs for this Program:

### Undergraduate Major

- Latin-American Studies, B.A.

### Undergraduate Minor

- Central American Studies Minor
- Latin-American Studies Minor

### Graduate Major

- Latin American Studies, M.A.

# Latin-American Studies, B.A.

The Bachelor of Arts degree program in Latin American Studies affords the student a wide range of career opportunities in the U.S. and abroad. The growth of the Latina/Latino population in the U.S. has produced an increasing need for trained persons with a knowledge of the region to work in government, teaching, not-for-profit organizations, business, and other fields.

The total number of units required for the Bachelor of Arts degree in Latin American Studies Program is 180 units, of which 64-80 units are in the major. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

## Requirements for the Bachelor of Arts Degree (64-84 units)

### Lower Division Required Courses (8 units)

- LAS 150 - Introduction to Latin American Studies (4)
- CHS 255 - Diverse Latin American Populations in Southern California (4) **(also listed as)**
- LAS 255 - Diverse Latin American Populations in Southern California (4)

### Language Requirement (4-24 units)

The language requirement for Latin American studies is based on competency. Students must demonstrate that they can place into a 300-level Spanish course by taking the placement exam in the Department of Modern Languages. Students who are unable to place in a 300-level Spanish course must complete a 200-level Spanish sequence successfully. Students who wish to study Portuguese must also demonstrate competency in Spanish by being placed at the 300-level in the Department of Modern Languages Placement Exam.

- SPAN 200A - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200B - Intermediate Spanish Non-Heritage Speakers (4)
- SPAN 200C - Intermediate Spanish Non-Heritage Speakers (4)
- or
- SPAN 205A - Intermediate Spanish for Heritage Speakers (4)
- SPAN 205B - Intermediate Spanish for Heritage Speakers (4)
- or
- Demonstrated Competency (0)
- SPAN 300A - Advanced Composition and Grammar (4)
- or
- SPAN 300B - Advanced Composition and Grammar (4)
- or
- SPAN 315 - Spanish-American Civilization (4)
- or
- SPAN 411 - Spanish-American Literature I (4)
- or
- SPAN 413 - Spanish-American Literature II (4)
- or
- PORT 100A - Elementary Portuguese (4)
- PORT 100B - Elementary Portuguese (4)
- PORT 100C - Elementary Portuguese (4)

### Upper Division Courses (52 units)

#### Upper Division Required Courses (8 units)

- LAS 497A - Interdisciplinary Approaches to Latin American Studies (4)
- LAS 497B - Research and Writing on Selected Latin American Topics (4)

#### Select 8 units in History

- HIST 459 - Sexuality in the Americas (4)
- HIST 461 - Latin America: Colonial Period (4)
- HIST 462 - Latin America: 1810–1914 (4)
- HIST 463 - Latin America: 1914 to Present (4)
- HIST 464 - Central America Since Independence (4)
- HIST 465 - Brazil (4)
  
- HIST 466A - Colonial Mexico (4) **also listed as**
- CHS 466A - Colonial Mexico (4)

- HIST 466B - Building the Mexican Nation (4) **also listed as**
- CHS 466B - Building the Mexican Nation (4)
- HIST 466C - The Mexican Revolution and its Legacy (4) **also listed as**
- CHS 466C - The Mexican Revolution and its Legacy (4)
- HIST 469 - Indigenous Peoples of Mexico, 1325-1910 (4)

#### Select 8 units in Latin American Studies

- LAS 335 - Race and Culture in the Americas (4)
- LAS 342 - Cultural Impact of Development (4) **(also listed as)**
- PAS 342 - Cultural Impact of Development (4)
- LAS 360 - Dynamics of Change in the Developing World (4) **(also listed as)**
- PAS 360 - Dynamics of Change in the Developing World (4) **(also listed as)**
- POLS 360 - Dynamics of Change in the Developing World (4)
- LAS 404 - The Central American Experience in the US (4) **(also listed as)**
- CHS 404 - The Central American Experience in the US (4)
- AAAS 408 - Comparative Diaspora Studies (4) **(also listed as)**
- LAS 408 - Comparative Diaspora Studies (4) **(also listed as)**
- CHS 408 - Comparative Diaspora Studies (4) **(also listed as)**
- PAS 408 - Comparative Diaspora Studies (4)
- LAS 423 - Migration, Identity, and Religion (4) **(also listed as)**
- CHS 423 - Migration, Identity, and Religion (4) **(also listed as)**
- RELS 423 - Migration, Identity, and Religion (4)
- LAS 424 - The United States and Latin America (4)
- LAS 425 - Latin American Responses to Imperialism and Globalization (4)
- LAS 430 - Cuba and the World (4)
- LAS 450 - Special Studies in Latin American Studies (1–4)
- LAS 465 - Gender, Sexuality, and Transnational Migration (4)
- LAS 470 - Labor and Social Movements in the Americas (4)
- LAS 482 - Latin American Women's Movements (4)

#### Select 28 units in Elective Courses

- AAAS 408 - Comparative Diaspora Studies (4) **also listed as**
- CHS 408 - Comparative Diaspora Studies (4) **also listed as**
- LAS 408 - Comparative Diaspora Studies (4) **also listed as**
- PAS 408 - Comparative Diaspora Studies (4)
- ANTH 404 - Peoples of South America (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ANTH 429 - Maya Civilization (4)
- \* ANTH 454L - Special Topics in Anthropology (1–6)
- ART 446 - Art of Latin America (4)
- ART 447 - The Art of Mesoamerica and the Southwest (4)
- ART 450 - The Colonial Art of Mexico and Guatemala (4)
- ART 453 - Aztec Art and Culture (4)
- \* ART 454L,P - Special Topics in Art (1–4)
- ART 456 - Art of the Ancient Andes (4)
- ART 457 - Mexican Muralists and Frida Kahlo (4)
- CHS 311 - Chicano Cultural History (4)
- CHS 400 - Literatures of Mesoamerica (4)
- CHS 402 - Colonial to Modern Mexican American Literature (4)
- CHS 405 - The Mexican People as Immigrants (4)
- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 409 - U.S. Latinos, Culture, and Global Cities (4)
- CHS 413 - Chicana and Mexican Women Writers (4) **(also listed as)**
- WOMN 413 - Issues in Feminist Philosophy (4)
- CHS 430 - Chicano Political Behavior (4)
- CHS 444 - History of the Chicano People in the United States (4)
- CHS 460 - The Chicano Movement (4)
- CHS 468 - U.S.-Mexico Borderlands (4)
- CHS 466A - Colonial Mexico (4) **also listed as**
- HIST 466A - Colonial Mexico (4)
- CHS 466B - Building the Mexican Nation (4) **also listed as**
- HIST 466B - Building the Mexican Nation (4)
- CHS 466C - The Mexican Revolution and its Legacy (4) **also listed as**
- HIST 466C - The Mexican Revolution and its Legacy (4)
- CHS 467 - Modern Mexico and the Chicano People (4)
- CHS 480 - Chicana Feminisms and Women's Movements (4)
- ECON 460 - Economics of Developing Countries (4)
- ECON 465 - Current Issues in Latin American Economies (4)

- ENGL 487 - Latin American Literature in Translation (4) **(also listed as)**
- ML 487 - Latin American Literature in Translation (4)
- GEOG 333 - Environment and Development in the Third World (4)
- GEOG 427 - Mexico and Central America (4)
- GEOG 428 - South America (4)
- \* GEOG 496 - Special Topics (1–4)
- \* GEOG 497 - Special Topics (1–4)
- HIST 357 - Gender in History (4)
- HIST 360 - Revolution and Society in Developing Countries (4)
- HIST 383 - Rise of Urban America (4)
- HIST 444A - Spain and Portugal to 1700 (4)
- HIST 444B - Spain and Portugal Since 1700 (4)
- \* HIST 450B - Research Capstone: Special Studies in History (4)
- \* HIST 451 - Special Lectures in History (2–4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 461 - Latin America: Colonial Period (4)
- HIST 462 - Latin America: 1810–1914 (4)
- HIST 463 - Latin America: 1914 to Present (4)
- HIST 464 - Central America Since Independence (4)
- HIST 465 - Brazil (4)
- HIST 469 - Indigenous Peoples of Mexico, 1325-1910 (4)
- LAS 335 - Race and Culture in the Americas (4)
- LAS 395 - Community Service in Latin American Studies (1–4)
- LAS 404 - The Central American Experience in the US (4)
- LAS 423 - Migration, Identity, and Religion (4)
- LAS 424 - The United States and Latin America (4)
- LAS 425 - Latin American Responses to Imperialism and Globalization (4)
- LAS 430 - Cuba and the World (4)
- LAS 450 - Special Studies in Latin American Studies (1–4)
- LAS 465 - Gender, Sexuality, and Transnational Migration (4)
- LAS 470 - Labor and Social Movements in the Americas (4)
- LAS 482 - Latin American Women's Movements (4)
- LAS 342 - Cultural Impact of Development (4) **also listed as**
- PAS 342 - Cultural Impact of Development (4)
- LAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- PAS 360 - Dynamics of Change in the Developing World (4) **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4)
- TVF 434 - Latin American Radio Documentary Production (4)
- ML 410 - Chicana and Mexican Women Writers (4)
- MUS 358 - Music of the Oppressed in Latin America (4)
- MUS 458 - Music of Latin America (4)
- PAS 412 - Third World Women and Development (4)
- PAS 456 - Politics of the Caribbean and Central America (4) **also listed as**
- POLS 456 - Politics of the Caribbean and Central America (4)
- PHIL 433 - Latin American Philosophy (4)
- POLS 451 - Latin American Politics (4)
- \* POLS 420A - Model United Nations (4)
- SOC 423 - Political Sociology of Globalization and Resistance (4)
- SOC 442 - Social Change (4)
- \* POLS 454 - Selected Topics in Comparative Politics (1–4)
- SPAN 300A - Advanced Composition and Grammar (4)
- SPAN 300B - Advanced Composition and Grammar (4)
- SPAN 310 - Spanish Civilization (4)
- SPAN 315 - Spanish-American Civilization (4)
- SPAN 401 - Introduction to Literary Analysis (4)
- SPAN 411 - Spanish-American Literature I (4)
- SPAN 413 - Spanish-American Literature II (4)
- SPAN 417 - Spanish-American Short Story (4)
- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)
- SPAN 435 - Ruben Dario and Modernismo (4)
- SPAN 431 - Spanish-American Testimony (4)
- \* SPAN 454L,P - Special Topics in Spanish (1–4)
- \* SPAN 459 - Hispanic Play Production (3–4)
- \* SPAN 460 - Proseminar: Advanced Placement Hispanic Authors (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)
- *\*when topic is Latin America*

## Central American Studies Minor

The minor in Central American Studies provides students with an in-depth and cross-disciplinary exploration of Central America, its past and present, and its connections to the United States through globalization and international migration.

A total of 24 units are required. A total of 12 units are constituted by core requirements and the remainder of the units is drawn from elective courses.

### Curriculum Summary

The minor in Central American Studies provides students with an in-depth and cross-disciplinary exploration of Central America, its past and present, and its connections to the United States through globalization and international migration.

A total of 24 units are required. A total of 12 units are constituted by core requirements and the remainder of the units is drawn from elective courses.

### Requirements for the Minor (24 Units)

#### Core Requirements (12 Units)

- CHS 255 - Diverse Latin American Populations in Southern California (4) **also listed as**
- LAS 255 - Diverse Latin American Populations in Southern California (4)
- CHS 404 - The Central American Experience in the US (4) **also listed as**
- LAS 404 - The Central American Experience in the US (4)
- HIST 464 - Central America Since Independence (4)

#### Electives (12 Units)

Choose one course from each area listed below

##### Area 1: Cultural History

- ART 447 - The Art of Mesoamerica and the Southwest (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 429 - Maya Civilization (4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)

##### Area 2: Contemporary Realities

*\*To be completed with an organization serving Central American populations in Southern California.*

- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 423 - Migration, Identity, and Religion (4) **also listed as**
- LAS 423 - Migration, Identity, and Religion (4) **also listed as**
- RELS 423 - Migration, Identity, and Religion (4)
- CHS 485 - Health and Chicano/Latino Families (4)
- \* CHS 395 - Community Service in Chicano Studies (1–3)
- or
- LAS 395 - Community Service in Latin American Studies (1–4)
- SPAN 431 - Spanish-American Testimony (4)

##### Area 3: Central America Today

- GEOG 427 - Mexico and Central America (4)
- ECON 465 - Current Issues in Latin American Economies (4)
- PAS 456 - Politics of the Caribbean and Central America (4) **also listed as**
- POLS 456 - Politics of the Caribbean and Central America (4)
- LAS 470 - Labor and Social Movements in the Americas (4)



## Latin-American Studies Minor

The minor in Latin American Studies is designed to provide students not majoring in Latin American Studies with a concentration of courses that will impart a knowledge of the field and enhance their career opportunities and general knowledge in a focused manner. The minor requires a total of 36 units, 16 in required courses and 20 in electives.

### Requirements for the Minor (36 units)

#### Required Courses (16 units)

- LAS 150 - Introduction to Latin American Studies (4)
  - LAS 497A - Interdisciplinary Approaches to Latin American Studies (4)
  - LAS 497B - Research and Writing on Selected Latin American Topics (4)
  - SPAN 200C - Intermediate Spanish Non-Heritage Speakers (4) \*\*
- \*\*Requirement may be met by examination and unit requirement met with courses selected from elective list.*

#### Electives (20 units)

Select 20 units from the following, with courses from at least three fields including 4 units in Latin American Studies:

*\*when topic is Latin America*

*#no more than two of these courses*

- AAAS 408 - Comparative Diaspora Studies (4) **also listed as**
- CHS 408 - Comparative Diaspora Studies (4) **also listed as**
- LAS 408 - Comparative Diaspora Studies (4) **also listed as**
- PAS 408 - Comparative Diaspora Studies (4)
  
- ANTH 404 - Peoples of South America (4)
- ANTH 408 - Peasant Cultures of Middle America (4)
- ANTH 428 - Civilizations of Western Mesoamerica (4)
- ANTH 429 - Maya Civilization (4)
- \* ANTH 454L - Special Topics in Anthropology (1–6)
- ART 446 - Art of Latin America (4)
- ART 447 - The Art of Mesoamerica and the Southwest (4)
- \* ART 454L,P - Special Topics in Art (1–4)
- ART 457 - Mexican Muralists and Frida Kahlo (4)
- CHS 311 - Chicano Cultural History (4)
- CHS 400 - Literatures of Mesoamerica (4)
- CHS 406 - Latina/o Communities in U.S. Society (4)
- CHS 430 - Chicano Political Behavior (4)
- CHS 444 - History of the Chicano People in the United States (4)
- CHS 468 - U.S.-Mexico Borderlands (4)
  
- CHS 466A - Colonial Mexico (4) **also listed as**
- HIST 466A - Colonial Mexico (4)
  
- CHS 466B - Building the Mexican Nation (4) **also listed as**
- HIST 466B - Building the Mexican Nation (4)
  
- CHS 466C - The Mexican Revolution and its Legacy (4) **also listed as**
- HIST 466C - The Mexican Revolution and its Legacy (4)
  
- CHS 467 - Modern Mexico and the Chicano People (4) **also listed as**
- HIST 467 - Modern Mexico and the Chicano People (4)
  
- CHS 404 - The Central American Experience in the US (4) **also listed as**
- LAS 404 - The Central American Experience in the US (4)
  
- CHS 423 - Migration, Identity, and Religion (4) **also listed as**
- LAS 423 - Migration, Identity, and Religion (4)
- or
- ECON 460 - Economics of Developing Countries (4)
- ECON 465 - Current Issues in Latin American Economies (4)
- GEOG 427 - Mexico and Central America (4)
- GEOG 428 - South America (4)
- GEOG 333 - Environment and Development in the Third World (4) #
- \* GEOG 496 - Special Topics (1–4)

- \* GEOG 497 - Special Topics (1–4)
- HIST 360 - Revolution and Society in Developing Countries (4) #
- \* HIST 450B - Research Capstone: Special Studies in History (4)
- \* HIST 451 - Special Lectures in History (2–4)
- HIST 459 - Sexuality in the Americas (4)
- HIST 461 - Latin America: Colonial Period (4)
- HIST 462 - Latin America: 1810–1914 (4)
- HIST 463 - Latin America: 1914 to Present (4)
- HIST 464 - Central America Since Independence (4)
- HIST 465 - Brazil (4)
- HIST 469 - Indigenous Peoples of Mexico, 1325-1910 (4)
- LAS 335 - Race and Culture in the Americas (4)
- LAS 424 - The United States and Latin America (4)
- LAS 425 - Latin American Responses to Imperialism and Globalization (4)
- LAS 430 - Cuba and the World (4)
- LAS 450 - Special Studies in Latin American Studies (1–4)
- LAS 470 - Labor and Social Movements in the Americas (4)
- LAS 499 - Undergraduate Directed Study (1–4)
  
- LAS 342 - Cultural Impact of Development (4) # **also listed as**
- PAS 342 - Cultural Impact of Development (4) #
  
- LAS 360 - Dynamics of Change in the Developing World (4) # **also listed as**
- PAS 360 - Dynamics of Change in the Developing World (4) # **also listed as**
- POLS 360 - Dynamics of Change in the Developing World (4) #
  
- TVF 434 - Latin American Radio Documentary Production (4)
  
- MUS 358 - Music of the Oppressed in Latin America (4)
- MUS 458 - Music of Latin America (4)
- PAS 456 - Politics of the Caribbean and Central America (4) **also listed as**
- POLS 456 - Politics of the Caribbean and Central America (4)
  
- PHIL 433 - Latin American Philosophy (4)
- POLS 451 - Latin American Politics (4)
- \* POLS 454 - Selected Topics in Comparative Politics (1–4)
- SOC 442 - Social Change (4)
- SPAN 300A - Advanced Composition and Grammar (4)
- SPAN 300B - Advanced Composition and Grammar (4)
- SPAN 315 - Spanish-American Civilization (4)
- SPAN 401 - Introduction to Literary Analysis (4)
- SPAN 411 - Spanish-American Literature I (4)
- SPAN 413 - Spanish-American Literature II (4)
- SPAN 417 - Spanish-American Short Story (4)
- SPAN 419 - Colonial Spanish-American Literature (4)
- SPAN 421 - Mexican Literature of Twentieth Century (4)
- SPAN 429 - Nineteenth Century Spanish-American Literature (4)
- SPAN 431 - Spanish-American Testimony (4)
- \* SPAN 454L,P - Special Topics in Spanish (1–4)
- \* SPAN 459 - Hispanic Play Production (3–4)
- SPAN 471 - Spanish-American Literature and Original Populations (4)
- SPAN 475 - Proseminar: Spanish-American Theatre (4)
- SPAN 483 - Contemporary Spanish-American Novel (4)
- SPAN 485 - Southern Cone Fiction (4)

## Latin American Studies, M.A.



A master's degree in Latin American Studies affords students a wide range of career opportunities in the U.S. and abroad. Students are able to tailor their programs to fit career interests and goals. The program provides academic training and research skills as well as the opportunity to work with community groups. The program can prepare students to work in policy-making and advocacy, the nonprofit sector, research, teach in community colleges, or pursue Ph.D. study.

### Admission to the MA Program

Applicants must complete the application process for both the university and the program. See [www.csumentor.edu](http://www.csumentor.edu) for admission requirements and materials for the university. Applicants must adhere to all deadlines for the application to the university and submit one copy of official transcripts to the university admissions office. Contact the Latin American Studies Program for program application materials or go to [www.calstatela.edu/academic/las](http://www.calstatela.edu/academic/las) for more information. All applications to the department must include two letters of recommendation, unofficial transcripts and a statement of purpose essay, 500-750 words in length.

### Master of Arts Program Requirements

A minimum of 20 units in upper division Latin American content courses is prerequisite to the program; LAS 497A and 497B are corequisites. Students who have not met these requirements through courses taken as an undergraduate must take courses in two or more departments in postbaccalaureate standing. In exceptional cases, the Latin American Studies graduate studies committee may waive a portion of these prerequisites.

#### *Language Requirement*

Before they may be advanced to candidacy, students must demonstrate written and oral competence in Spanish or Portuguese by passing a foreign language reading examination (ML 901) in the language selected, as offered by the Department of Modern Languages and Literatures and with approval of that department.

#### **Requirements for the Degree (minimum 45-46 units)**

A minimum of 45-units is required for students taking the comprehensive exam and a minimum of 46 units is required for students completing the thesis, with at least 23-24 in 500-level courses. Courses may be chosen from: anthropology, art, business, Chicano studies, economics, education, geography, history, Latin American Studies, music, political science, sociology, Spanish, and Women's and Gender Studies. Other fields may be included in consultation with the adviser. The necessary language proficiency is established by examination. Students have the option of passing a comprehensive examination or writing a thesis as the final phase of the degree program. Those who elect the thesis track work with three members of the faculty in choosing a thesis topic, developing a research plan and writing the thesis. Students who elect the comprehensive examination will be tested in three areas to be chosen in consultation with the graduate advisor. An oral defense of the thesis or examination completes the degree.

#### **Required Course (4 units)**

- LAS 508 - Seminar: Latin American Social Systems (4)  
or
- LAS 590 - Interdisciplinary Seminar: Latin American Studies (4)

#### **Seminars on Latin America (12 units)**

Select 12 units from the following:

- CHS 509 - Interdisciplinary Seminar in Chicano Studies (4)
- HIST 561 - Seminar: History of Mexico (4)
- HIST 562 - Seminar: Latin American History (4)
- LAS 508 - Seminar: Latin American Social Systems (4)
- LAS 590 - Interdisciplinary Seminar: Latin American Studies (4)
- MUS 557 - Seminar: Afro-Latin Music (4)
- MUS 558 - Histories and Literature of Afro-Latin Music (4)
- POLS 531 - Seminar: Latin American Government (4)
- SPAN 510 - Sociolinguistic Patterns in Spanish (4)
- SPAN 545 - Seminar: Contemporary Spanish-American Poetry After Ruben Dario (4)

- \* SPAN 575 - Seminar: Hispanic Literature (4)
- \* SPAN 583 - Seminar: Contemporary Hispanic Prose (4)

### Additional Seminars (8 units)

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Select 500-level courses from the following:

- ANTH 594 - Seminar: Problems in Anthropology (4)
- CHS 502 - Chicana/o Studies and Contemporary Theory (4)
- ECON 560 - Seminar: Current Issues in Economic Development (4)
- ECON 561 - Seminar: International Economics (4)
- ECON 526 - Seminar: International Political Economy (4)
- EDFN 506 - Comparative Education (4)
- EDFN 525 - Educational Sociology (4)
- EDFN 550 - Contemporary Social Theory and Issues in Urban Education (4)
- GEOG 530 - Seminar: Urban Social Systems (4)
- GEOG 540 - Seminar: Human Geography (4)
- HIST 561 - Seminar: History of Mexico (4)
- HIST 562 - Seminar: Latin American History (4)
- LAS 508 - Seminar: Latin American Social Systems (4)
- LAS 590 - Interdisciplinary Seminar: Latin American Studies (4)
- LAS 598 - Graduate Directed Study (1–4)
- PHIL 544 - Seminar: Social and Political Philosophy (4)
- MUS 557 - Seminar: Afro-Latin Music (4)
- MUS 558 - Histories and Literature of Afro-Latin Music (4)
- POLS 526 - Seminar: International Political Economy (4)
- POLS 531 - Seminar: Latin American Government (4)
- SOC 514 - Seminar: Contemporary Sociological Theory (4)

### Research Methods (4-6 units)

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- ANTH 480 - Anthropological Methods and Techniques (6)
- ANTH 580 - Methods in Ethnography (5)
- CHS 450 - Research on Community Problems (4)
- CHS 503 - Seminar: Research Methods in Chicano Studies (4)
- EDFN 505 - Qualitative Research in Education (4)

### Electives (12–17 units)

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Additional units from among Latin American content courses, including appropriate departmental 499 and 598 courses, selected in consultation with the Latin American Studies graduate adviser. Students completing the thesis will take a minimum of 12 units of electives; students completing the comprehensive exams will take a minimum of 17 units of electives.

### 400-level Courses

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All 400-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser:

- LAS 497A - Interdisciplinary Approaches to Latin American Studies (4)
- LAS 497B - Research and Writing on Selected Latin American Topics (4)

### Comprehensive Examinations or Thesis (0, 6 units)

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Students must successfully complete either comprehensive examinations or a thesis.

Immediately following completion of the comprehensive examinations or thesis, students must pass an oral examination conducted by a three-member faculty committee.

#### Comprehensive Examinations (0 units)

Comprehensive written examinations about Latin America must be passed successfully in three of the following academic fields: anthropology, art, Chicano studies, comparative education, economics, geography, history, Latin American studies, music, political science, women's and gender studies, or other fields approved by the graduate committee in Latin American studies.

Students should expect to take the comprehensive examinations (LAS 596) no earlier than the quarter they complete all course work on their program and must comply with college and program requirements. Students must notify the Coordinator of Latin American Studies in writing of their intention to take the examinations.

#### Thesis (6 units)

Instead of the comprehensive examinations, students may choose to write an interdisciplinary thesis under the guidance of a three-member faculty committee selected in consultation with an adviser. Students who make this choice must enroll in LAS 599, for 6 units. An oral defense of the thesis is required.

## Programs in Natural Science



### PROGRAM OFFICE

College of Natural and Social Sciences

King Hall D1051

Phone: (323) 343-5693

E-mail: [NatSci@cslanet.calstatela.edu](mailto:NatSci@cslanet.calstatela.edu)

Website: <http://www.calstatela.edu/academic/natsci>

**Coordinator:** James Rudd

Programs offered under the heading of Natural Science emphasize the interrelationships among the several natural science disciplines. They are designed primarily for prospective teachers, but are also of value to anyone seeking careers in such areas as government, environmental law, ecology, or other areas where a broad science background is useful. Two programs are offered: a Bachelor of Science degree major, and a subject matter preparation program for the Single Subject Teaching Credential in Science. Lower division courses in Natural Science (NATS 180-183, 185) and in the Biological Sciences (BIOL 180-181) prepare future elementary school teachers.

## The Faculty

Instruction is provided by the faculties of all natural science departments, i.e., Biological Sciences, Chemistry and Biochemistry, Geological Sciences, and Physics and Astronomy, as well as the Department of Mathematics and the Department of Geography and Urban Analysis. Advisement information is available from the Natural Science Coordinator.

## Programs for this Program:

### Undergraduate Major

- Natural Science, B.S.

### Credential

- Natural Science Subject Matter Program



## Natural Science, B.S.

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The Bachelor of Science Degree in Natural Science is designed primarily to prepare students to teach science at the middle or high school level. Two options are available: Traditional (Option I) and Blended (Option II). Both options satisfy the subject matter requirement for a California Single Subject Teaching Credential in Science. Students select one of the following four areas of subject matter emphasis: biology, chemistry, geoscience, or physics. Total units for the degree depend on option and emphasis area. Option 1: 185 for Biology, 184 for Chemistry, 184 for Geoscience, and 185 for Physics. Option II: 203 for Biology, 202 for Chemistry, 201 for Geoscience, and 202 for Physics.

High school preparation is recommended in algebra (two years), chemistry, geometry, physics, and trigonometry.

In both options students must earn a grade of C or higher in all courses that satisfy the following university, general education or major requirements. See Option II for additional GPA requirements. Students should speak with a Natural Science adviser before choosing an option.

The total number of units required for the Bachelor of Science degree in Natural Science, Traditional Option is 184-185 units, of which 118-119 units are in the major depending on the emphasis selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

The total number of units required for the Bachelor of Science degree in Natural Science, Blended Option is 201-203 units, of which 135-137 units are in the major depending on the emphasis selected. Consult with an advisor for the specific number of units required in all areas of the degree including GE and free electives.

### University Requirements (6 units)

- ENGL 102 - Composition II (4)
- NSS 101 - Introduction to Higher Education: Living an Examined Life (4)  
or
- NSS 301 - Transition to Cal State L.A. for Natural and Social Science Majors (2)
- UNIV 400 - Writing Proficiency Examination (0)

#### Note:

Students must pass NSS 101 or 301 within their first two quarters of enrollment.

### GE Basic Subjects (12 units)

Note that the GE basic subjects math requirement is met within the natural science core courses.

### American Institutions (8 units)

### Natural Sciences (8 units)

This requirement is met by completing the Natural Science core courses.

### Humanities (12 units)

### Social Sciences (12 units)

*Option I* - Select 12 units from three different disciplines in the Block D course listings

*Option II* - PSY 150 and select 8 additional units from two disciplines other than psychology in the Block D course listings.

### Lifelong Understanding (4 units)

### Upper Division Theme (12 units)

## Options

- Option I - Bachelor of Science Degree in Natural Science (Traditional)
- Option II-Bachelor of Science Degree in Natural Science (Blended)

## Option I - Bachelor of Science Degree in Natural Science (Traditional)

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The Traditional Option of the Bachelor of Science degree in Natural Science is designed primarily for prospective middle and high school science teachers, but it is also of value for anyone seeking a career where a broad science background is useful. Total number of units required for the degree is 184-185.

### Requirements for the Major (118-119 units)

Core Requirements (68 or 71 units)

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\* *PHYS 211-213 (5, 5, 5) is required for Physics emphasis students and recommended for Chemistry emphasis students in lieu of PHYS 101-103.*

- ASTR 151 - Principles of Astronomy (3)
- ASTR 152 - Principles of Astronomy: Laboratory (1)
- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOL 252 - Historical Geology (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- NATS 398 - Field Observations in Science Education (2)
- \* PHYS 101 - Physics (4)
- \* PHYS 102 - Physics (4)
- \* PHYS 103 - Physics (4)

### Capstone Course (4 units)

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- NATS 495 - Natural Science Field Studies (4)

### Select One Emphasis

Biology Emphasis (47 units)

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- BIOL 300 - Biometrics (4)
- BIOL 320 - Writing for Biologists (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)
- BIOL 380 - Cell Biology (4)
- BIOL 418 - Evolution (4)
- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- MICR 300 - General Microbiology (5)

Chemistry Emphasis (46 units)

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### Required Courses (34 units)

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- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- CHEM 360 - Writing for Chemists (4)
- CHEM 411 - Fundamentals of Physical Chemistry (4)
- CHEM 435 - Introduction to Biochemistry (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)

### Electives (12 units)

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Upper Division courses selected with approval of adviser.

## Geoscience Emphasis (46 units)

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### Required courses (34 units)

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- BIOL 320 - Writing for Biologists (4)
- GEOG 268 - Introduction to Geospatial Sciences (4)
- GEOG 410 - Applied Climatology (4)
- GEOL 201 - Elementary Mineralogy (4)
- GEOL 203 - Introductory Petrology (2)
- GEOL 321 - Geology of Southern California (4)
- GEOL 357 - Urban Geology (4)
- GEOL 360 - Geological Mapping (4)
- GEOL 435 - Coastal Processes and Environments (4)

### Electives (12 units)

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Upper division courses selected with approval of adviser

## Physics Emphasis (44 units)

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### Required courses (20 units)

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- CHEM 360 - Writing for Chemists (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- PHYS 214 - Modern Physics (4)
- PHYS 306 - Modern Physics (4)

### Electives (24 units)

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Upper division courses selected with approval of adviser. A minimum of 16 units must be in physics. At least one laboratory course must be included.

## Option II - Bachelor of Science Degree in Natural Science (Blended)

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The Blended Option of the Bachelor of Science degree in Natural Science is designed specifically for pre-service middle and high school science teachers.

The blended degree program simultaneously satisfies Single Subject credential requirements for both subject matter and education, except directed teaching, which is taken as a postbaccalaureate course. Total number of units required for the degree is 201-203.

Minimum 2.75 GPA in last 90 quarter units attempted is required for enrollment in EDCI 300.

An overall GPA of 3.0 or better is required in professional education courses.

### Requirements for the Major (135-137 units)

Core Requirements (68 or 71 units)

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*\* PHYS 211-213 (5, 5, 5) is required for Physics Emphasis students and recommended for Chemistry Emphasis students in lieu of PHYS 101-103.*

- ASTR 151 - Principles of Astronomy (3)
- ASTR 152 - Principles of Astronomy: Laboratory (1)
- BIOL 100A - Introductory Biology I (5)
- BIOL 100B - Introductory Biology II (5)
- BIOL 100C - Introductory Biology III (5)
- CHEM 101† - General Chemistry I (5)
- CHEM 102† - General Chemistry II (5)
- CHEM 103† - General Chemistry III (5)
- GEOL 150 - Earth Revealed + (4)
- GEOL 155 - Oceanography + (4)
- GEOL 252 - Historical Geology (4)
- MATH 206 - Calculus I: Differentiation (4)
- MATH 207 - Calculus II: Integration (4)
- NATS 398 - Field Observations in Science Education (2)
- \* PHYS 101 - Physics (4)
- \* PHYS 102 - Physics (4)
- \* PHYS 103 - Physics (4)



## Capstone Courses (6 units)

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- NATS 496A - Natural Science Field Studies and Pedagogy (3)
- NATS 496B - Natural Science Field Studies and Pedagogy (3)

### Select One Emphasis

#### Biology Emphasis (32 units)

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- BIOL 300 - Biometrics (4)
- BIOL 320 - Writing for Biologists (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)
- BIOL 380 - Cell Biology (4)
- BIOL 418 - Evolution (4)
- CHEM 291A - Organic Chemistry (3)
- MICR 300 - General Microbiology (5)

#### Chemistry Emphasis (31 units)

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- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 318 - Introduction to Inorganic Chemistry (3)
- CHEM 360 - Writing for Chemists (4)
- CHEM 411 - Fundamentals of Physical Chemistry (4)
- CHEM 435 - Introduction to Biochemistry (4)

#### Geoscience Emphasis (30 units)

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- BIOL 320 - Writing for Biologists (4)
- GEOG 268 - Introduction to Geospatial Sciences (4)
- GEOG 410 - Applied Climatology (4)
- GEOL 201 - Elementary Mineralogy (4)
- GEOL 203 - Introductory Petrology (2)
- GEOL 321 - Geology of Southern California (4)
- GEOL 357 - Urban Geology (4)
- GEOL 435 - Coastal Processes and Environments (4)

#### Physics Emphasis (28 units)

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#### Required courses (20 units)

---

- CHEM 360 - Writing for Chemists (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- PHYS 214 - Modern Physics (4)
- PHYS 306 - Modern Physics (4)

#### Physics Electives (8 units)

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Must be upper division courses in physics and include at least one laboratory course.

#### Professional Education Courses (31 units)

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- EDCI 300 - The Teaching Profession: Preparing the Urban Educator (2)
- EDFN 440 - Schooling for a Diverse, Urban Society (4)
- EDSE 401 - Instructional Strategies in Secondary Teaching (4)
- EDSE 415 - Classroom Management in Secondary Schools (4)
- EDSE 423 - Literacy in Middle and High School Content Classrooms (4)
- EDSE 430 - Using ESL Techniques in the Content Areas (4)
- EDSE 445A - Proseminar: Learning Environments and Instruction in Secondary Schools (4)
- EDSP 400 - Foundations of Special Education (4)
- PH 457 - Health Education for Elementary School Teachers (1)

#### Directed Teaching Requirement (12 units)

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Students complete Directed Teaching as Postbaccalaureates.

- EDSE 445C - Directed Teaching in Secondary Schools (10)
- EDSE 445D - Proseminar: Assessment of Teaching Performance (2)

## Natural Science Subject Matter Program



For students who already possess a bachelor's degree, the California Commission on Teacher Credentialing has approved the following program as satisfying the subject matter requirements of the Single Subject teaching credential in Science. Students should consult with a Natural Science program adviser (in one of the following departments: Biological Sciences, Chemistry and Biochemistry, or Geological Sciences) and with a credential adviser in the Charter College of Education. Refer to the Charter College of Education section for regulations governing all teaching credential programs.

### Single Subject Credential in Natural Science (105-108 units)

#### Core Requirements (66 or 69 units)

Same as core requirements for the Bachelor of Science degree in Natural Science, Traditional Option, except that NATS398 is not required.

##### Capstone Course (4 units)

- NATS 495 - Natural Science Field Studies (4)

### Select One Emphasis

#### Biology Emphasis (36 units)

##### Required Courses (28 units)

- BIOL 300 - Biometrics (4)
- BIOL 340 - General Genetics (4)
- BIOL 360 - General Ecology (4)
- BIOL 380 - Cell Biology (4)
- BIOL 418 - Evolution (4)
- CHEM 291A - Organic Chemistry (3)
- MICR 300 - General Microbiology (5)

##### Electives (8 units)

Upper division courses selected with adviser approval.

#### Chemistry Emphasis (38 units)

##### Required courses (30)

- CHEM 201† - Quantitative Analysis (5)
- CHEM 291A - Organic Chemistry (3)
- CHEM 291B - Organic Chemistry (3)
- CHEM 301 - Organic Chemistry (3)
- CHEM 292A† - Organic Chemistry Laboratory (2)
- CHEM 292B† - Organic Chemistry Laboratory (2)
- CHEM 411 - Fundamentals of Physical Chemistry (4)
- CHEM 435 - Introduction to Biochemistry (4)
- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)

##### Electives (8 units)

Upper division courses selected with adviser approval.

#### Geoscience Emphasis (36 units)

##### Required Courses (26 units)

- GEOG 268 - Introduction to Geospatial Sciences (4)
- GEOG 410 - Applied Climatology (4)
- GEOL 201 - Elementary Mineralogy (4)
- GEOL 203 - Introductory Petrology (2)
- GEOL 321 - Geology of Southern California (4)
- GEOL 360 - Geological Mapping (4)

- GEOL 435 - Coastal Processes and Environments (4)

**Electives (10 units)**

Take upper division courses with adviser approval.

**Physics Emphasis (32 units)**

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**Required Courses (16 units)**

- MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems (4)
- MATH 209 - Calculus IV: Several Variables (4)
- PHYS 214 - Modern Physics (4)
- PHYS 306 - Modern Physics (4)

**Electives (16 units)**

Upper division courses selected with adviser approval. Please refer to department sections for course descriptions.

## University Programs

### Intercollegiate Athletics

#### INTERCOLLEGIATE ATHLETICS OFFICE

Physical Education 104

Telephone: (323) 343-3080

#### ATHLETICS SPORTS INFORMATION, MARKETING, PROMOTIONS OFFICE

Physical Education 212

Telephone: (323) 343-5308

Results Hotline: (323) 343-3198

FAX: (323) 343-3199

E-mail: [dbridges@calstatela.edu](mailto:dbridges@calstatela.edu)

Website: [www.calstatela.edu/univ/athletic](http://www.calstatela.edu/univ/athletic)

<b>Director of Intercollegiate Athletics:</b>	Daniel L. Bridges
<b>Associate Athletic Director:</b>	Sheila Hudson
<b>Director of Development:</b>	Henry Etheredge
<b>Assistant Athletic Director, Finance:</b>	Rafeal Navarro
<b>Intercollegiate Athletics Board Chair:</b>	Gerald Beer
<b>Head Athletic Trainer:</b>	Lori Rudd
<b>Athletics Facility and Event Manager</b>	Brendon Dally
<b>Athletics Academic Adviser</b>	Melissa Basalla

#### Head Coaches:

Baseball	Vince Beringhele
Men's Basketball	Stephen Thompson
Women's Basketball	Janell Jones
Women's Cross Country/Men's and Women's Track and Field	Christopher Asher
Men's and Women's Soccer	Chris Chamides
Women's Tennis	Sandy Kriezel
Women's Volleyball	Randi Smart

### Mission of the Division of Intercollegiate Athletics

The fundamental purpose of the Division of Intercollegiate Athletics at Cal State L.A. is to provide an outstanding athletics program as an integral part of the University's mission, holding as its greatest priority the educational experience of student-athletes. The Division is dedicated to maintaining the highest standards of quality, of professionalism, and of competitive excellence.

### About the Division of Intercollegiate Athletics

Cal State L.A. is a member of the National Collegiate Athletic Association (NCAA) and the California Collegiate Athletic Association (CCAA). The Intercollegiate Athletics program fields teams in men's baseball, basketball, soccer, and outdoor track and field. Women's teams compete in basketball, cross country, soccer, tennis, indoor and outdoor track and field, and volleyball. Athletically related grants-in-aid (scholarships) may be available to those student-athletes who demonstrate superior academic and athletic performance.

The Division of Intercollegiate Athletics program is based on sound educational principles and practices and is a part of the educational mission of the

University and is well-integrated into the educational environment of the University. Student-athletes must maintain normal academic progress toward completion of their degree in accordance with a formal policy approved by the Intercollegiate Athletics Board (IAB), academic senate and the President.

In addition, Cal State L.A. student-athletes spend many hours annually with area youth as part of the Golden Eagle community service programs, including spreading holiday cheer at local hospitals, reading at local elementary schools and hosting approximately 250 youngsters as part of National Student-Athlete Day.

The student-athlete advisory committee (SAAC) is made up of student-athletes from each Golden Eagle intercollegiate athletics squad and is assembled to provide insight on the student-athlete experience. The SAAC also offers input on the rules, regulations and policies that affect the lives of student-athletes. Each Golden Eagle team has at least one representative on the SAAC undergraduate programs.

## Normal Progress for Student Athletes

In order to be eligible for competition in intercollegiate athletics, student-athletes must earn units in courses acceptable toward a specific degree program at a minimum rate of 36 units between seasons of competition. As prescribed by NCAA regulations, 75 percent of these units (27) must be earned in fall, winter and spring quarters.

Effective fall 2005, student-athletes must earn at least six (6) normal progress units in the immediately preceding term to be eligible for competition.

For students who have not declared a major, no more than one-third (12) of the yearly minimum number of units may be electives. At least two-thirds (24) of the units must be in general education or major courses. For students who have declared a major, at least two-thirds (24) of the units must be in general education or major courses, and elective courses up to 12 units annually are permitted only to the extent that the particular degree program accommodates them. Repeated courses may be counted only once for normal progress, unless repetition of the course for credit has been authorized in the University Catalog.

In the calculation of the required 24 units in major and general education courses, only courses in the primary major and in general education will be included. Courses taken in a minor, a second major and/or professional education courses will be considered electives. In the freshman year only, students may count up to 18 units of satisfactorily completed precollegiate courses that are prerequisite to specific courses acceptable for any degree program.

Student-athletes must formally declare a major by the beginning of their seventh quarter of collegiate enrollment. Seventh quarter student-athletes will be declared eligible by the Faculty Athletics Representative only after receipt of the following:

1. Evidence of the student-athlete's formally declared major.
2. A copy of the student athlete's department advisement form signed by the department adviser.

Student-athletes who change a major shall be required to supply an updated advisement form to the Faculty Athletics Representative. After a change of major, a student-athlete may meet the normal academic progress requirements if the units earned prior to the change are acceptable toward the degree previously sought, and the units earned from the time of the change are acceptable toward the new desired degree. This means that changing a major is not a valid reason for failing to meet normal progress.

## Other Factors Affecting Eligibility

Student-athletes must maintain a minimum C (2.0 on a 4.0 scale) grade point average at all times in both their overall collegiate record and their Cal State L.A. work in order to remain eligible for intercollegiate athletics competition. A necessary condition for practice and competition shall be enrollment in no fewer than 12 units of coursework unless an official "Application for Graduation" indicates the student-athlete needs less than 12 units to graduate.

Student-athletes must attend a mandatory annual meeting conducted by the Division of Intercollegiate Athletics prior to participation. One purpose of this meeting is to disseminate information concerning NCAA, CCAA and Division rules pertaining to amateurism, eligibility, academics, ethics and grievance procedures. In addition, student-athletes will be asked to sign required NCAA and CCAA forms as well as complete health and insurance forms.

Competition in intercollegiate athletics at Cal State L.A. must be completed within the first 15 quarters of full-time attendance\* at this or prior institutions. An additional limit of four seasons of competition applies separately to each sport. For student-athletes who transfer from other collegiate institutions, the Faculty Athletics Representative shall determine the number of full-time quarters of attendance prior to transfer as well as the number of competition seasons used. Such student-athletes shall be subject to all of the above requirements effective their first quarter of attendance at Cal State L.A.

*\* Full-time attendance is defined by the NCAA as any quarter or semester (exclusive of summer terms) in which a student is enrolled in 12 or more units at any time in the term.*

## Special Major for the Bachelor's Degree

The Bachelor of Arts or Bachelor of Science degree with a Special Major allows selected students an opportunity to pursue individualized programs of study if their academic and professional goals cannot be met through existing degree programs, or combinations of programs (i.e., majors, minors, etc.), at CSULA or other CSU campuses. The Special Major consists of a program of study in two or more disciplines developed in consultation with faculty members from the respective departments.

The Special Major is not a means of bypassing normal graduation requirements nor does it provide an alternative means of graduating for students who

have failed to complete requirements in a previously designated major. Students must apply for the Special Major when they have at least one full year (45) units of academic work remaining to complete minimum requirements for a bachelor's degree. Special Major programs are considered on a case-by-case basis; approval is determined on the basis of academic merit of the proposed program, rationale, and the student's potential for successful completion of the proposed program.

## **Requirements**

- A minimum 2.50 grade point average is required.
- Applicants must have no more than 140 units earned that are applicable toward another degree program by the end of the quarter in which the application for the Special Major is submitted.
- A total of 180 units are required for the BA/BS degree with a Special Major. A minimum of 70 quarter units, of which at least 60 must be upper division, must be included in the Special Major program.
- Neither lower nor upper division courses taken to satisfy general education requirements may be counted toward fulfillment of minimum requirements for the Special Major.
- All programs must include an upper division writing requirement, selected with adviser's approval, from one of the approved upper division writing courses from one of the disciplines in the Special Major program.
- A principal adviser must be selected from one of the disciplines proposed for the Special Major program.

## **Procedures**

- Prepare a Special Major Preliminary Application obtained from the Office of Undergraduate Studies.
- Prepare a concise statement of the academic and professional goals you seek through a Special Major, indicating why these goals cannot be met through related existing degree programs and prepare a preliminary list of courses in the two or three departments that represent the kind of program appropriate to your goals.
- Submit the Preliminary Application to the Office of Undergraduate Studies for review and approval for development of the Special Major. Upon approval, an Application for Special Major for Bachelor's Degree will be provided to you. A faculty committee composed of a faculty member from each department on the proposed program may be recommended by the Associate Dean of Undergraduate Studies to guide you in the development of your Special Major program.
- Discuss your statement and proposed list of courses with advisers in each of the specific departments that comprise your Special Major. With the assistance of your departmental advisers, determine the courses that will become part of your final program. Obtain the signatures of departmental advisers and department chair for each area of study. Their signatures indicate that they have reviewed and approved the proposed course of study. A principal adviser must be selected from one of the disciplines proposed for the Special Major Program.
- Obtain the signature of the college associate dean for each of the departmental course areas listed on your program and submit the completed application to the Office of Undergraduate Studies for university-level approval.
- Upon University approval, the application will be sent to you and to each department listed on your program. A Change of Major Form will also be sent to you with instructions to change your major to the official title listed on your approved program. Be advised that pending final approval of your Special Major program, you proceed with projected course work at your risk.

Further information is available from the Office of Undergraduate Studies, Administration 725.

## **CalState TEACH (CST)**

Multiple Subject, CalStateTEACH (CST) is both a preservice program and an intern program. CalStateTEACH is an alternative path to a multiple subject preliminary teaching credential available to individuals residing in Los Angeles, Ventura, and Santa Barbara Counties. CalStateTEACH is designed specifically to serve teachers who are interns or who can volunteer to practice teach in an elementary school (grades K-6). It is also designed for those who want to become teachers but are unable to access campus programs due to personal circumstances or because they live beyond commuting distance to a university. The program has been constructed to integrate the theory and practice of teaching with the daily experiences of teachers in the classroom.

CalStateTEACH is a Web-enhanced program in which students work in small groups, guided and supported by faculty of CalStateTEACH Los Angeles as well as by on-site school personnel. This flexible form of instruction allows part-time, home-based study and uses a rich mix of print, Internet, CD ROM, and video. There are no regular university classes to attend, although there are five Saturday seminars over the course of the program. After successfully completing the program, participants will have earned a Multiple Subject Credential and 40-49 semester units of credit.

The CalStateTEACH program is offered in four terms. Fees include the cost of instruction and all books, course guides, videotapes, CDROM, and computer software. Federal and state financial aid in the form of grants and loans are available for qualified students. For more information, contact Dr. Victoria A. Peyton, [vpeyton@cslanet.calstatela.edu](mailto:vpeyton@cslanet.calstatela.edu). The CalStateTEACH public website is [www.calstateteach.net](http://www.calstateteach.net).

## **Credit for Prior Experiential Learning (CPEL)\***

Through the CPEL program, Cal State L.A. grants undergraduate academic credit for prior learning, knowledge, or skills-based experience that has been documented and evaluated according to campus policy. Students should be aware, however, that policies for earning credit for prior learning vary among CSU campuses.

Cal State L.A. grants up to 4 units of resident credit for UNIV 295, a course in which the student enrolls and, in collaboration with a faculty sponsor, prepares a portfolio documenting the prior learning. In addition, a student may earn up to 8 units of nonresident credit, applicable to a bachelor's degree, for learning, knowledge, or skills-based experience that has been documented and evaluated according to campus policy. To qualify, students must have completed 45 quarter units in residence at Cal State L.A. and not more than 165 quarter units overall, and must demonstrate how the prior learning articulates with their present educational objectives. Credit is awarded for UNIV 295 and for the prior learning based on faculty evaluation of the learning experience in terms of academic standards both within the discipline and university-wide. Applications for CPEL are available in the office of the Dean of Undergraduate Studies, Administration 725.

## Cooperative Education\*

Cal State L.A. offers a range of Cooperative Education courses carrying different unit values.

The following courses are offered through the Cooperative Education program.

- 298 Preparation for Cooperative Education (2 units)
- 398 Cooperative Education (1–4 units)
- 399 Cooperative Education Honors (1–4 units)
- 498 Advanced Cooperative Education (1–4 units)

UNIV 298 is open to all students without restriction. Admission to UNIV 398, 399, and 498 is arranged through the coordinator for the student's major department, division or school. Admission to UNIV 399 requires UNIV 298 as prerequisite, as well as eligibility for a University or academic department or division honors program.

A minimum 2.35 overall grade point average is required and students must have completed 45 quarter units of course work before requesting permission of their major department, division or school to enroll. Approved employment, periodic conferences, and written reports are required.

Full descriptions of cooperative education courses (UNIV 298, 398, 399, and 498) are found in the University (UNIV) Courses section of this chapter.

## Internship in Public Service\*

The Internship in Public Service program combines individual instruction with practical experience in government agencies and quasi-public enterprises. Although enrollment usually is restricted to Political Science majors, non-majors with appropriate background and preparation may apply. The program operates similarly to the Cooperative Education program, except that the maximum 6 units earned may apply only to upper division free elective credit rather than toward the major. A qualifying civil service examination is required for admission to some internship programs. Information about opportunities and qualifications may be obtained from the coordinator in the Political Science Department.

*\* NOTE: Students should note that a limited amount of unit credit is allowed toward the baccalaureate for each of these programs. Policies and regulations differ among various departments, divisions, schools and colleges. Each student should consult the appropriate major department, division, school or college for specific procedures and instructions.*

## Programs for University Programs:

Interdisciplinary Studies Master's Degree MA or MS

### Undergraduate Minor

- Interdisciplinary Information Technology (IT) Minor
  - Interdisciplinary Studies Minor in Multimedia

### Masters Programs

Interdisciplinary Studies Master's Degree MA or MS

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## Interdisciplinary Studies Master's Degree MA or MS

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### Interdisciplinary Studies Master's Degree

The interdisciplinary studies major for the Master of Arts or Master of Science degree is a highly restricted interdisciplinary program designed for students whose professional/academic objectives are unique and cannot be met by existing master's degree offerings. It is a program that comprises course offerings from at least two departments in related disciplines and must provide sharp focus and appropriate coherence. As a rule, no more than 13 quarter units of previously completed acceptable course work may be included on an approved master's degree program.

#### Admission Requirements

In addition to meeting minimum University requirements for admission to classified graduate standing, applicants must possess a baccalaureate in an area cognate to the areas of the proposed degree, must have a minimum 2.75 grade point average (A=4.0) in the last 90 quarter units attempted, and must meet all college requirements and such department, division or school requirements as course prerequisites, test scores, and grade point average for the master's degrees of the colleges and departments/divisions/schools in which course work for the Interdisciplinary Studies Master's is proposed. Approval for an Interdisciplinary Studies Master's is based upon individual justification.

Students must make formal written application to the Office of the Dean of Graduate Studies and Research. All applications must include:

- Clear and concisely stated rationale for pursuing an Interdisciplinary Studies Master's and an indication of the professional/academic objectives to be achieved. This rationale must include evidence clearly indicating that the Interdisciplinary Studies program could not be accommodated within any existing approved master's degree program on this campus.
- A proposed list of available courses chosen from two or more departments/divisions/schools totaling a minimum of 45 units, of which at least 23 units must be 500 level.
- An indication of whether a comprehensive examination or thesis or project will be used to complete the graduate program. If a thesis or project is proposed, a preliminary description of the thesis topic or research project is to be included. If a comprehensive examination is proposed, an indication of the areas in which the student will be examined is to be included.
- Names and areas of specialization of at least two faculty members representative of those who might consent to serve on the advisory committee for such a degree program.

The Dean of Graduate Studies and Research must approve all programs that will include course work from more than one college. The student's study plan is subject to University graduate procedures and regulations that govern all graduate degree offerings.

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## Interdisciplinary Information Technology (IT) Minor

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The information technology (IT) minor provides students with the knowledge and skills that will allow them to effectively apply IT to the profession of their choice. Students must first acquire or demonstrate computer literacy and complete four core courses that will:

1. Give all students a solid foundation in the fundamentals of IT including: computer programming, networks, and database management;
2. Educate students about the human side of IT. After completing the core, students will complete a minimum of three courses from a selected skill area. The skill areas are: bioinformatics, computer animation, database systems, digital document management, instructional technology, network systems, production and operations management systems, programming systems, and web development.

To select a skill area, it is recommended that students meet with an adviser in their major to determine what skill areas will best complement their area of study. For detailed information and guidance regarding a skill area, students should meet with the adviser for that skill area.

### Requirements for the IT Minor (26-35 units)

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Some of the listed skill area courses require prerequisites (not listed), which reflect the structure of the undergraduate programs that they serve. These courses are marked with an asterisk (\*). It is recommended that students meet with the adviser of the skill area to determine the required prerequisites.

### Required Core Courses (15 - 21 units)

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Prior to taking the courses within the minor, students must satisfy one of the following two criteria (0 - 4 units).

1. Demonstrate to a principal adviser (either the IT minor coordinator or their designee) computer literacy in the following areas (0 units):
  - a. Knowledge of the hardware components of a computer system including CPU, memory, input/output devices, modems, LANs and WANs.
  - b. Knowledge of operating systems and familiarity with common operating systems.
  - c. Familiarity with using common applications including word processors, spreadsheets and presentation software.
  - d. Ability to access information via the Internet using search engines and to communicate via E-mail.
2. Complete one of the following courses (3 - 4 units) CIS 100 Business Computer Systems (4) CS 160 Introduction to Computers (3)
  - CIS 100 - Business Computer Systems (4)
  - CS 160 - Introduction to Computers (3)

### Core courses (15 -17 units)

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Students must complete four core courses from below.

- CIS 484 - Communications Systems (4)
- COMM 420 - Human Side of Computers and Information Technology (4) **also listed as**
- EDIT 420 - Human Side of Computers and Information Technology (4)

### Select one (4 or 5 units):

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- CS 201 - Introduction to Programming (5)
- CIS 283 - Introduction to Application Programming with Java (4)
- CS 242 - C Programming (4)

### Select one (3 or 4 units):

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- CIS 405 - Database Design and Development (4)
- CS 122 - Using Relational Databases and SQL (3)

### Skill Area

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Students must select one skill area and complete 11 to 14 units depending on the skill area.

#### 1. Bioinformatics (13 -14 units)

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Bioinformatics is the field of science in which biology, computer science, and information technology merge to form a single discipline. Students

learn the principles of molecular life science and computer programming and apply this knowledge to search public databases containing biological information and derive meaningful information about genes and proteins.

Select one of the following programming courses:

- CS 202 - Introduction to Object Oriented Programming (5)
  - CS 342 - Object Oriented Programming Using C++ (4)
  - CS 345 - UNIX and Shell Programming (4)
  - CIS 457 - Advanced Java Programming (4)
  - BIOL 100B - Introductory Biology II (5) \*
  - CHEM 434 - Bioinformatics and Computational Biology (4) (4)
- \*Recommended that students meet with adviser to determine the required prerequisites.*

## 2. Computer Animation (12 units)

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Computer Animation is widely used for information presentation, analysis and comprehension. These classes present the principles of computer animation in a technical and creative context. Both 2D and 3D animation are explored. Students selecting this skill area should know and have practical experience with the basic principles of design.

- ART 380 - Two-Dimensional Animation (4)
- ART 494 - Three-Dimensional Animation (4)

## 3. Database Systems (12 units)

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Database Systems is the study of information management. Students learn how data are collected, stored, processed, and presented by organizations to generate information. Information is considered as anything that individuals and organizations need to know to be successful in achieving their goals and objectives.

Select three of the following courses:

- CIS 406 - Systems Analysis and Design (4)
  - CIS 459 - Advanced Information Systems Development (4)
  - CIS 451 - Fundamentals of ERP Technology (4)
  - CS 422 - Principles of Data Base Systems (4) \*
- \*Recommended that students meet with adviser to determine the required prerequisites.*

## 4. Digital Document Management (12 units)

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Document management serves as a foundation for knowledge management. Students learn the theory and application of electronic publishing and new media production; with an emphasis on information integration, system configuration, digital workflow planning, and producing open image files and digital output.

Select four of the following 3-unit courses:

- TECH 330 - Graphic Communications Processes and Materials (3)
- TECH 436 - Electronic Publishing Technology and Management (3)
- TECH 437 - Alternative Media Production (3)
- TECH 438 - Image Capture, Processing, and Management (3)
- TECH 439 - Digital Workflow Management (3)

## 5. Instructional Technology (12 units)

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The Instructional Technology area is designed to provide students with skills in using technology for education and instructionally related activities. The focus of this program area is to explore and understand issues related to the human side of computing and technology with the goal of creating pedagogical materials and processes that facilitate learning and that are consistent with how humans work, live and learn.

- EDIT 430 - Information Technologies in the Classroom (4)

Select one of the following courses:

- EDIT 451 - Survey of Instructional Media and Technology (4)
- EDIT 484 - Computer Authoring Tools (4)

## 6. Network Systems (11 - 13 units)

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### General Network Systems

Networks are the backbone of computing systems. Students will be given a hands-on introduction to general networking, learn network theory and design, and develop network and web applications.

Select three of the following courses:

- CS 245 - Introduction to Computer Organization, Operating Systems and Networks (3) \*
- CIS 445 - Network Application Development
- CIS 485 - Local Area Networks (4)
- CIS 361 - Web Design and Development (4)

- CS 345 - UNIX and Shell Programming (4)
  - CS 447 - Computer Networks Configuration and Management (4) \*
  - EE 440 - Data Communications and Networking (4) \*
- \*Recommended that students meet with adviser to determine the required prerequisites.*

### **CISCO Networks**

The objective of the CISCO Certified Network Associate (CCNA) program is to provide students with the necessary knowledge and hands-on skills to function in a network support environment. The curriculum and lab activities reflecting the current internetwork technologies are designed and provided by CISCO. The program has four courses. At the end of the program the students are prepared to take and pass the CISCO CCNA certification examination.

- TECH 421 - Internetworking Technology (4) (CISCO Networking 1) (3)
- TECH 422 - Router Configurations (4) (CISCO Networking 2) (3)
- TECH 490E - Electronics (1–9) (CISCO Networking 3) (3)
- TECH 454L - Special Topics in Industrial Studies (1–4) CISCO Networking 4 (4)

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## **7. Production and Operations Management (12 units)**

Production and operations management addresses the management of the value creation processes of delivering a product or a service. Students will learn the strategic and tactical concepts in production and operations management including process and technology selection, facility design and location, customer service, supply chain management, material management as well as total quality management.

Select three of the following courses:

- MGMT 464 - Production and Inventory Management (4) \*
  - MGMT 463 - Process Design and Improvement (4) \*
  - MGMT 467 - Quality Control (4) \*
  - TECH 484 - Automated Manufacturing Systems (4) \*
- \*Recommended that students meet with adviser to determine the required prerequisites.*

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## **8. Programming Systems (12 -14 units)**

Programming systems provides students with the knowledge and skills to develop computer applications. Students have the opportunity to learn a broad range of programming languages and/or study program development in depth.

Select two of the following (8 or 9 units):

- CS 202 - Introduction to Object Oriented Programming (5)
- CS 342 - Object Oriented Programming Using C++ (4)
- CS 345 - UNIX and Shell Programming (4)
- CIS 457 - Advanced Java Programming (4)

Select one of the following (4 or 5 units):

- CS 203 - Programming with Data Structures (5)
- CIS 383 - Multimedia and Game Application Programming (4)

---

## **9. Web Development (11-12 units)**

Web development provides students with the knowledge and skills necessary to develop Web applications by using Web development tools. Students will be able to build dynamic websites using such technologies as HTML, FrontPage, client and server side scripting, and database programming.

Select three of the following courses:

- CS 120 - Introduction to Website Development (3)
- CS 320 - Web and Internet Programming (3)
- CIS 361 - Web Design and Development (4)
- CIS 462 - Web Development II (4)

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## **10. Customized Option (12 units)**

With prior approval of an adviser, students may select 12 units from any of the approved skill areas.

## Interdisciplinary Studies Minor in Multimedia

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The purpose of the Multimedia minor is to provide students with a background that will enable them to participate in the development of interactive, multimedia products. The Multimedia interdisciplinary minor is organized as a collection of skill areas along with a capstone sequence of integrated courses in which students with differing and complementary skills work together to build a significant Multimedia product.

The minor is administered at the University level from the Office of Undergraduate Studies. For additional information please refer to the following web address: [www.calstatela.edu/dept/multimedia](http://www.calstatela.edu/dept/multimedia).

### Requirements for the Minor (32-36)

#### Skill Areas (20-24 units)

Complete the requirements for one of the skill areas listed below. Complete 3 or more units from each of three other skill areas. Some of the listed courses require prerequisites (which are not listed), which often reflect the structure of the undergraduate programs that they serve. Please contact representatives of the various programs about the specific requirements.

##### A. Business: Management and Marketing

- MGMT 307 - Management and Organizational Behavior (4)
- MKT 304 - Principles of Marketing (4)

Select one:

- MGMT 306 - Operations Management (4)
- MGMT 470 - Managerial Leadership and Motivation (4)
- MGMT 489 - High Performance Management (4)
- MKT 443 - Marketing in a New Business (4)
- MKT 460 - Internet Marketing (4)
- MKT 462 - Internet Marketing Research (4)

##### B. Computer Programming

Select one:

- CS 201 - Introduction to Programming (5) (4)
- CIS 283 - Introduction to Application Programming with Java (4)

Select one:

- CS 202 - Introduction to Object Oriented Programming (5) (4)
- CIS 457 - Advanced Java Programming (4)

Recommended:

- CS 320 - Web and Internet Programming (3)

##### C. Content Organization and Presentation

- TVF 200 - Introduction to Single Camera and Editing (4)

Select one:

- TVF 265 - Introduction to Scriptwriting (4)
- ENGL 276 - Introduction to Play Writing (4) (3) **also listed as**
- TA 276 - Introduction to Play Writing (4) (3)

Select one:

- 
- ART 493 - Digital Image Processing and Illustration (4)
  - TVF 401 - Advanced Video Production (4)
  - TVF 430 - Documentary Field Production (4)
  - EDIT 484 - Computer Authoring Tools (4)
  - TA 445 - Principles of Directing I (3)

#### D. Graphics

Select three:

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- ART 180 - Introduction to Computer Graphics I (3) (4)
- ART 308 - Graphic Design I (4)
- ART 380 - Two-Dimensional Animation (4)
- ART 422 - Interactive Design II (4)
- ART 494 - Three-Dimensional Animation (4)

#### E. Music

- MUS 160 - Music Fundamentals (4)
- MUS 243A - Class Piano Instruction IV (1)
- MUS 243B - Class Piano Instruction V (1)
- MUS 243C - Class Piano Instruction VI (1)
- MUS 469 - Music Technology III (3)

#### F. Theater Arts

- TA 141 - Acting Fundamentals: Games and Exercises (3)
- TA 142 - Acting Fundamentals: Character Study (3)
- TA 143 - Acting Fundamentals: Scene Study (3)

Select one:

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- TA 342 - Advanced Performance II: Scene Study (3)
- TA 343 - Advanced Performance III: Acting Collaboration (3)

### Product Development (12 units)

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Complete the following three-quarter sequence in a single academic year (Fall-Winter-Spring).

- MM 450A - Introduction to Multimedia: Planning a Multimedia Product (4)
- MM 450B - Designing and Developing a Multimedia Product (4)
- MM 450C - Integration and Post-Production for a Multimedia Product (4)

# Honors College

## OFFICE OF THE DIRECTOR

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Administrators:

**DIRECTOR:** Michelle Hawley

## CSULA Honors College

The CSULA Honors College offers outstanding students an opportunity to participate in a scholarly community dedicated to inquiry and discovery, creative and critical thinking, and the creation of knowledge that will have a positive impact on society. Its interdisciplinary curriculum emphasizes civic engagement and takes advantage of the vast resources of Los Angeles. Exceptional faculty and challenging courses foster the intellectual curiosity of all students and provide rigorous preparation for those interested in pursuing advanced degrees in graduate or professional school. Regardless of their chosen career, graduates of the Honors College are informed citizens prepared to respond to the challenges facing their neighborhoods, cities, nations, and world.

Through an unwavering commitment to excellence and engagement, the Honors College will become an educational institution of choice for motivated and outstanding students in our region and beyond. Grounded in the timeless values of inquiry and reflection, yet responsive to the changing nature of knowledge production and contemporary life, the Honors College will play a vital role within the larger university as an incubator for innovation and engaged teaching, learning, and scholarship.

Program Overview: The Honors College curriculum meets many of the University and general education requirements. Over the course of their undergraduate Honors education, students will:

- Examine the evolving history of a modern, multiethnic metropolis in a year-long sequence of courses that explore the “city-as-text”.
- Become active participants in their communities and in civic and political processes.
- Consider what it means to be a “citizen of the world” and examine how the sciences, social sciences, and humanities help us understand our role in a global community.
- Develop habits of research and information literacy that prepare them to participate in a knowledge economy and to adapt to changing information environments.
- Receive individualized attention as they pursue independent research and produce a senior thesis or creative project.

## Learning Goals and Outcomes

Recognizing the need for advanced intellectual and creative skills that emphasize interdisciplinary and independent thinking, students in the Honors College are expected to meet learning outcomes in the following areas:

### **Knowledge Creation**

Honors College students will develop an appreciation for various modes of academic inquiry and contribute to a knowledge economy. They will understand how knowledge is produced, organized, and disseminated in dynamic information environments; and they will acquire and create knowledge using curiosity, imagination, sensibility, and reflection.

### **Aesthetic Awareness and Creativity**

Honors College students will be expected to respond subjectively as well as objectively to aesthetic experiences, respect the integrity of both emotional and intellectual responses, and recognize aesthetic responses as complementing rational inquiry. They will cultivate and refine their affective, cognitive, and physical faculties through studying great works of the human imagination across a range of contexts and cultures.

### **Civic Engagement**

Honors College students will learn to effectively participate in political and civic processes and to make socially responsible decisions. They will identify social, political, economic, and ecological challenges faced by local, regional, national, and global communities and propose innovative and sustainable solutions to those challenges.

### **Global Citizenship**

Honors College students will develop the social, cultural, linguistic, and technological skills to participate effectively in a global society and workplace. They will recognize and explore individual and cultural differences and commonalities within the diverse populations of the world; they will understand

the interdependence of political, economic, and environmental systems; and they will analyze the relationships between diverse aesthetic, ethical and cultural practices.

## Honors College Admissions

The Cal State L.A. Honors College is committed to admitting well-prepared and motivated students who are interested in actively participating in our intellectual, social, and community engagement programs. Selection will be based on a comprehensive review of application materials, including written essays, letters of recommendation, and SAT scores. Finalists may be invited to interview with the Honors College Admissions Committee. We recommend that applicants have a cumulative high school GPA of 3.5 or higher and a combined minimum score of 1100 on the Critical Reading and Math sections of the SAT, or a minimum composite ACT score of 26. Transfer students and continuing CSULA students may also be eligible for admission to the Honors College provided they have attained a minimum GPA of 3.5 or higher in their college coursework and in all lower division GE requirements, which must be completed prior to admission to the Honors College. They may also be eligible if they have successfully completed a comparable Honors program in a community college. Meeting these minimum requirements does not guarantee admission. Please note that prospective students must apply to both CSULA and to the Honors College.

## Scholarships

All eligible applicants to the Honors College will be considered for these and other scholarships. No separate application is required. Scholarships are competitive and will be awarded based on a comprehensive review of application materials.

President's Scholars. \$2,500-\$10,000 (up to \$40,000 over four years) will be awarded to select incoming freshmen demonstrating high achievement, motivation and a commitment to education. President's Scholars will have a cumulative high school grade point average of at least 3.75 or above and a combined SAT Reasoning Test score of at least 1200 (based only on the Critical Reading and Math sections), or a composite ACT score of at least 27.

Honors College Scholars. \$2,000 (\$8,000 over four years) will be awarded to incoming Honors College freshmen who have demonstrated great potential, motivation, and a commitment to education.

## The Honors College Curriculum and Requirements (38 units + Senior Thesis/Project)

Students who complete the program will receive an Honors College designation on their transcripts. Honors College students are required to maintain a GPA of 3.3 or higher.

### Lower Division Required Courses (16 units)

HNRS 101 - Introduction to Academic Inquiry and the Honors College  
HNRS 110 - Reading Los Angeles: Communication in the City of Angels  
HNRS 120 - Reading Los Angeles: Expressive Cultures in a Global City  
HNRS 130 - Reading Los Angeles: Community and Structure in the Metropolis

### Lower Division Electives (8 units)

Students select 8 units of lower division Honors Electives with advisor approval. One of these electives must include a civic or community engagement activity approved by the Honors College. Students who are admitted to the Honors College in their junior year satisfy this 24-unit lower division requirement by completing their lower division General Education requirements with a GPA of 3.5 or higher or by completing a comparable lower-division Honors program.

### Upper Division Required Courses (14 units)

Students must complete the following 12-unit Honors Upper Division Theme in Global Citizenship and Global Responsibility as well as 2 units of Honors Institute.

HNRS 310 - Human Rights and Literature  
HNRS 320 - Global Citizenship: Voices and Contexts  
HNRS 330 - Global Climate Change: The Science and Responsible Societal Response  
HNRS 497 - The Honors Institute

### Honors Contract:

With permission of the course instructor and the director of the Honors College, students may create an honors contract to convert up to two upper-division courses into honors courses. Honors contracts allow students to explore the subject in greater depth and at a higher level of academic rigor. An honors contract must meet one or more of the honors college learning outcomes.

### Honors Thesis/Project

The Honors College undergraduate experience culminates in the thesis, a required advanced research or creative project completed either in the student's undergraduate degree program or in the Honors College. An honors-level undergraduate thesis project will promote focus, depth, and independence and will develop creativity, resilience, and patience. By completing the thesis students will be demonstrating the ability to become producers of knowledge in their own right. Students may complete the thesis/project within the honors college by taking the following courses:

HNRS 495 - Senior Thesis Prospectus  
HNRS 496 - Senior Thesis Project

Or, students who wish to complete the thesis/project requirement in conjunction with offerings in their major department/college (variable units) may

create an honors thesis/project contract with permission of the instructor and Honors Director.

## Community Engagement and Service Learning

The Honors College is home to the Office of Community Engagement. Its mission is to prepare students for effective civic participation that sustains a democratic society and enhances the quality of life in local, national, and global communities. The Office of Community Engagement is dedicated to:

- Promoting a culture of engaged teaching and learning that values public scholarship and knowledge that has a positive impact on the community.
- Creating opportunities for students and faculty to engage with the community in civic and political processes.
- Developing sustainable and mutually beneficial community-university partnerships.

The Office of Community Engagement supports service learning. Service Learning is a teaching and learning strategy that provides students with organized and meaningful learning experience outside the classroom designed to enhance their understanding of information, knowledge and theoretical principles shared in the classroom; it is a pedagogy that links course content with a community service component designed to address needs identified by the community; and it has as an integral component the reflective activities intended to integrate course content and skills with community involvement and to develop or strengthen students' commitment to social responsibility and civic engagement. CSULA offers over fifty service-learning courses in a wide range of disciplines.

## National Student Exchange

Cal State L.A. is a member of the National Student Exchange (NSE), a consortium of state universities located throughout the United States and its territories. The National Student Exchange gives our eligible students access to the resources of nearly 190 member colleges and universities in 48 states, 3 U.S. territories, the District of Columbia, and 6 Canadian provinces. The campuses range in size from some of the largest research universities in the country to some of the best, small liberal arts colleges; 21 Hispanic serving institutions; 15 Historically Black Colleges and Universities; and a number of ethnically mixed campuses. Since its beginning in 1968, NSE has placed more than 85,000 students for exchange. There are two tuition payment plans utilized by NSE. Cal State L.A. student utilize one of two payment plans. Plan A participants pay the in-state (resident) tuition/fees to their host campus. Students who participate on Plan B pay their normal tuition/fees to CSULA. Additionally, financial aid may be used while participating in the NSE. Students may participate in the program for a single term or a full academic year. Some benefits of NSE include: living in a different area, access to courses not offered at CSULA, as well as exploration of graduate school and employment opportunities, all while developing self-confidence and independence.

More information, including the NSE directory, catalogs from member universities, videos, and application materials may be obtained from The Honors College, (323) 343-5973.

## Early Entrance Program

### Program Overview and Admissions Requirements

The Early Entrance Program provides the opportunity for highly gifted students to begin their college studies early at CSULA, and offers them the support, guidance and counseling necessary to prepare them for success at the university level. Most of the EEP students bypass high school. EEP students are recruited through the biannual Search for Exceptional Academic Achievement (SEAA) talent search and through qualifying scores on college entrance exams such as the SAT and ACT. Top scoring students who are younger than 16 years old but who are at least 11 years old at the start of the summer quarter for which they would be provisionally admitted may be invited to apply for admission to the Early Entrance Program. The main criteria for EEP selection include need for academic acceleration, maturity, motivation, and readiness for early college admission. Admission is based on a holistic assessment of the student's overall academic performance administered by the program director, personal interview of the applicants and their parents, and the completion of a provisional quarter of study. Those students whose academic and personal performances are judged adequate and appropriate during the provisional summer quarter and who receive final approval from the Admissions Committee, the Honors College, and the Office of Undergraduate Studies are admitted as matriculated students for the fall quarter.

Upon admission, EEP students are assigned to a class cohort that is enrolled in special EEP classes for their first year and are required to attend regular meetings with EEP staff, participate in scheduled EEP activities, and maintain enrollment as full-time, degree-seeking undergraduates. EEP students are responsible for tuition identical to other CSU students and are eligible for financial aid and scholarship assistance. EEP students are eligible to apply for junior entry to the Honors College. For further information please contact the EEP Office at (323) 343-2287, Fax (323) 343-5575, or visit [www.calstatela.edu/academic/eep](http://www.calstatela.edu/academic/eep).

### The EEP Curriculum

The EEP curriculum is designed to meet both the traditional requirements of a high school diploma (GED) and the specific requirements for a baccalaureate degree (B.A. or B.S.) from CSULA. Accordingly, students are required to complete the enhanced General Education curriculum specified below, in addition to completing the requirements for their selected major, as well as all other university graduation requirements. With approval of the Director of the EEP and the Director of the Honors College, students may substitute equivalent courses for these requirements. Prior to the completion of 90 units in the program, students must declare a major and meet with an advisor in their major department to determine the requirements for that major.

### EEP GE and University Requirements (97-105 units)



Introduction to Higher Education and Life Long Learning and Self- Development (4 units)

UNIV 101 - Introduction to Higher Education for Undeclared Majors: Living an Examined Life

### **English Language Communication and Critical Thinking (16 units)**

ENGL 101 - Composition I

ENGL 102 - Composition II

COMM 150 - Oral Communication

POLS 155 - Critical Analysis of Political Communication

### **American Institutions (12 units)**

HIST 202A - United States Civilization

HIST 202B - United States Civilization

POLS 150 - Government and American Society

### **Scientific Inquiry and Quantitative Reasoning (21 units)**

CHEM 158† - Molecules Matter

CHEM 159† - The Chemistry of Everyday Things Laboratory

BIOL 155 - Animal Biology

PHYS 156 - Physics for the Twenty-first Century

ANTH 260 - Physical Anthropology

MATH 102 - College Algebra

### **Humanities (16 units)**

PHIL 151 - Philosophical Ideas: Knowledge and Reality

ENGL 250 - Understanding Literature

**With advisor approval, students select 8 additional units in humanities courses from Block C**

### **Social Sciences (16 units)**

PSY 150 - Introductory Psychology

**With advisor approval, students select 8 additional units in social science courses from Block D**

### **Upper Division Theme (12)**

Students are required to complete a 12-unit upper division theme as part of the General Education Program. Students select one of the nine available themes and complete three courses, one in each of the natural sciences and mathematics, social sciences, and humanities areas. (See the description of the G.E. Upper Division Themes in the Undergraduate Studies section of the catalog.)

### **Diversity Requirement (0-8 units)**

Students must complete two courses certified as diversity courses. These courses may be completed at either the lower division or upper division level from among the courses satisfying general education requirements in blocks C, D, or F. Diversity courses are designated with a (d) by each course.

## Course Descriptions

  [Contract All Courses](#) |  
 [Print this Page](#)

### Accounting (Undergraduate)

*Upper division standing is prerequisite to enrollment in 300- and 400- level ACCT courses.*

*All 400-level courses may be applied toward master's degree requirements subject to limits established by department and approval of graduate adviser*

#### • **ACCT 202 - Survey of Accounting**

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(4)

Fundamentals of accounting theory and practice; how accounting serves the individual, the business entity, and the broader disciplines of law, government, and economics.

#### • **ACCT 210 - Principles of Financial Accounting**

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(4)

Introduction to financial accounting. Accounting cycle and preparation of financial statements. Overview of Generally Accepted Accounting Principles.

#### • **ACCT 211 - Principles of Managerial Accounting**

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(4)

Prerequisite: ACCT 210. Cost terms, cost behavior and cost systems. Use of accounting data for planning, budgeting, and control.

#### • **ACCT 310 - Accounting Information for Decision Making**

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(4)

Prerequisites: ACCT 211. Use of financial and managerial accounting information to plan, analyze, control, evaluate, and improve the activities of a firm.

#### • **ACCT 320A - Intermediate Financial Accounting and Reporting I**

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(4)

Prerequisite: ACCT 210, 211, or ACCT 500 with minimum C grades. Accounting theory and practice relating to problems of asset valuation and classification in accounts and statements.

#### • **ACCT 320B - Intermediate Financial Accounting and Reporting II**

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(4)

Prerequisites: ACCT 320A with minimum C grade, FIN 303. Valuation and classification of liabilities and stockholders' equity; study of selected contemporary accounting issues.

#### • **ACCT 321 - Taxation of Individuals**

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(4)

Prerequisite: ACCT 320A with minimum C grade. Statutes, regulations, administrative rulings, and court decisions relating to federal and California income taxation of individuals.

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• **ACCT 322 - Cost Accounting**

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(4)

Prerequisite: ACCT 211 and 320A with minimum C grades. Cost accounting as a tool in modern organizations; covers budgets, cost estimation, cost allocations, sales variance analysis, cost systems, capital budgeting, and performance measurement and evaluation

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• **ACCT 325 - Leadership and Professional Skills for Accountants**

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(4)

Prerequisites: ACCT 320A and BUS 305. Through practice and multiple assessments, focuses on development and mastery of leadership and professional skills for the accounting profession: creative and critical thinking; managing conflict; delegating; and communicating.

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• **ACCT 420 - Advanced Financial Accounting and Reporting**

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(4)

Prerequisites: ACCT 320B. Problems associated with the preparation of consolidated financial statements; accounting for deferred taxes, pensions and other postretirement benefits, earnings per share, stock options, and partnerships.

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• **ACCT 421A - Taxation of Corporations and Partnerships**

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(4)

Prerequisite: ACCT 321. Statutes, regulations, administrative rulings, and court decisions relating to federal and California income taxes of partnerships and corporations; procedural problems, tax management and planning; tax shelters. Restricted to undergraduate students.

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• **ACCT 421C - State and Local Taxation**

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(4)

Prerequisite: ACCT 321. Through cases and materials, focuses on state and local taxation of, and tax planning for, individuals and business entities, including state income, franchise, property and sales taxes; covers the interplay of multistate tax issues with federal constitutional limitations.

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• **ACCT 421D - IRS' Volunteer Income Tax Assistance (VITA) Program**

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(4)

Prerequisite: ACCT 321. This course provides students with the knowledge to complete actual income tax returns and experience in completing returns for individuals.

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• **ACCT 424A - Accounting Information Systems**

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(4)

Prerequisites: ACCT 320B and 325. Study of accounting information systems and internal controls; provides the tools necessary to understand and evaluate accounting information systems. Restricted to undergraduate students.

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• **ACCT 424B - Auditing**

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(4)

Prerequisite: ACCT 424A. Auditing concepts and practices involved in emphasis on financial auditing, review and assurance services with auditing of financial statements by professional accountants in public practice (CPAs). Restricted to undergraduate students.

- **ACCT 425 - International Accounting**

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(4)

Prerequisite: ACCT 320B. This course is concerned with the development and use of international accounting and auditing standards in a global business environment. It covers comparative accounting systems, accounting for changing prices, foreign currency, financial reporting and disclosure issues, managerial accounting and control of multinationals.

- **ACCT 426 - Accounting and Reporting Requirements of Small Business**

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(4)

Prerequisite: ACCT 300. Theory, methodology, and practice of establishing, accounting for, and reporting in the small business; emphasis on financing and establishing basic accounting systems and reporting requirements of creditors and taxing authorities.

- **ACCT 427 - Governmental and Institutional Accounting**

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(4)

Prerequisites: ACCT 320B and 325. Principles and problems of fund accounting for governments and nonprofit institutions; budgets, revenues, expenditures, tax levies, appropriations, general fund, special funds, and financial reports; separate treatment of local, state, and federal government agencies.

- **ACCT 428A - Internal Auditing I**

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(4)

Prerequisites: ACCT 325 and 424A Introduction to internal auditing, internal control, audit evidence, and the internal auditing process.

- **ACCT 434 - Professional Accounting Ethics (4)**

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Prerequisites: ACCT-320B and ACCT 325. This course examines different theories of ethics in an accounting context. Accountants' and Auditors' Ethical Reasoning and Decision Process are examined along with the legal and regulatory obligations. The course emphasizes the need to make ethical decisions as preparers, auditors and users of the financial statements.

- **ACCT 435 - Forensic Accounting**

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(4)

Recommended Prerequisite: ACCT 424B or equivalent course. The course teaches the nature of forensic accounting, financial statement fraud and misappropriation of assets - detection, investigation, and prevention. The course develops professional skills necessary to investigate, detect and prevent fraud. NOTE: Course restricted to Undergraduate Students only.

- **ACCT 436 - Advanced Forensic Accounting**

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(4)

Prerequisites: Acct 424B. The course builds on the nature of forensic accounting, financial statement fraud, and misappropriation of assets - detection, investigation, and prevention. The course enhances students' professional skills by applying techniques necessary to investigate, detect, and prevent fraud through case studies and simulations.

- **ACCT 437 - Security Risk Management and Internal Controls  
(also listed as CIS 437)**

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(4)

Prerequisite: ACCT 424A for accounting students. Introduction to the information security risk management including internal controls, operations security, risk management and assessment, incident management and response, business continuity and disaster recovery planning, legal issues and ethics, information security program development.

- **ACCT 438 - Computer Forensics and Investigations**  
(also listed as CIS 438)

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(4)

Prerequisites: Acct 424A for accounting students. Introduction to selected techniques and tools for computer forensics and investigations. Topics include coverage of the latest technology. Hands-on activities are included, which allow students to practice skills as they are learned.

- **ACCT 454 - Special Topics in Accounting**

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(1–4)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisite. In-depth presentation and analyses of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **ACCT 495 - Case Studies in Accounting**

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(4)

Prerequisites: ACCT 325, 424A, minimum of 8 units of accounting elective courses. Culminating assessment course for accounting students; teaches students how to apply the knowledge and skills they have learned in previous courses in solving real world case problems. Restricted to undergraduate students only.

#### **Accounting (Graduate)**

*All 400-level courses may be applied toward master's degree requirements subject to limits established by department and approval of graduate adviser.*

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 500-level courses.*

- **ACCT 500 - Financial and Managerial Accounting**

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(4)

Accounting concepts and tools for business organizations; covers the accounting model, financial statements analysis, cost control and behavior, pricing, budgeting, and systems design. Some sections may be technologically mediated.

- **ACCT 520 - Management Accounting Theory**

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(4)

Management control theory; covers design of various types of responsibility centers, strategies and strategic planning, performance measurement and management compensation from an accounting perspective.

- **ACCT 521A - Taxation of Corporations and Partnerships**

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(4)

Prerequisite: ACCT 321. Statutes, regulations, administrative rulings, and court decisions relating to federal and California income taxes of partnerships and corporations; procedural problems, tax management and planning; tax shelters. Independent research in corporation and partnership taxation.

- **ACCT 522 - Seminar: Current Topics in Financial Reporting**

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(4)

Objectives of financial statements, efficient capital markets, setting accounting policy, using accounting data, processing human information.

- **ACCT 523 - Seminar: Public Accounting**

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(4)

Historical development of professions, audit function in relation to ethical and legal considerations, trends in new services for clients, the CPA firm, multinational practice, signposts of the future.

- **ACCT 524A - Accounting Information Systems**

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(4)

Prerequisite: ACCT 320B. Study of accounting information systems and internal controls; provides the tools necessary to understand and evaluate accounting information systems. Independent research in accounting information systems.

- **ACCT 524B - Auditing**

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(4)

Prerequisite: ACCT 424A or 524A. Auditing concepts and practices involved in financial auditing, review and assurance services; emphasis on auditing of financial statements by professional accountants in public practice (CPAs). Independent research in auditing.

- **ACCT 525 - Seminar: International Accounting**

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(4)

Selected analytical and policy issues underlying current developments in international accounting.

- **ACCT 526 - Seminar: Financial Accounting Theory**

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(4)

Advanced analytical concepts implicit in contemporary accounting practice; current developments in accounting techniques; specific applications to major aspects of financial statements.

- **ACCT 535 - Forensic Accounting**

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(4)

Recommended Prerequisite: ACCT 424B or ACCT 524B; or equivalent course. The course teaches the nature of forensic accounting, financial statement fraud and misappropriation of assets - detection, investigation, and prevention. The course develops professional skills necessary to investigate, detect, and prevent fraud through extensive case studies and research projects. Independent research in forensic accounting.

- **ACCT 554 - Special Topics in Accounting**

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(4)

Current topics of special interest in accounting as announced in Schedule of Classes. In-depth presentations and analyses of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **ACCT 571 - Accounting for Healthcare Managers**

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(4)

Use of accounting information to understand and evaluate the performance/financial viability of healthcare organizations. Overview of management systems, including planning, costing, budgeting and control mechanisms.

- **ACCT 585 - Seminar: Tax Theory and Business Applications**

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(4)

Prerequisite: ACCT 421A or 521A. Tax concepts and judicial doctrines inherent in federal tax law; effects of taxation of business organization, capital structure, policies, and operation.

- **ACCT 586 - Seminar: Tax Research and Practice**

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(4)

Prerequisite: ACCT 421A or 521A. Methodology of researching complex tax problems; tax planning; scope of activity, responsibility, and ethics of accountant in tax field.

- **ACCT 587 - Seminar: Taxation of Corporations and Shareholders**

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(4)

Prerequisite: ACCT 421A or 521A. Statutory, regulatory, and case material applicable to corporation tax including formation, stock redemptions, and liquidations; stock dividends and preferred stock bail outs; elections under subchapters; personal holding companies, accumulated earning tax; collapsible corporations.

- **ACCT 595 - Case Studies in Accounting**

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(4)

Prerequisite: ACCT 424A or 524A. How to apply the knowledge and skills learned in previous courses to solve real world case problems. Independent research in accounting case studies.

### **Anthropology (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 497*

- **ANTH 230 - Language and Society**  
(also listed as ENGL 230)

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(4)

An introduction to linguistics as a social science. Exploration of the relationship of language to a variety of social issues including race, class, and gender

**GE D**

- **ANTH 250 - Cultural Anthropology**

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(4)

Exploration of the concept of culture, and its application to such topics as communication, political and economic systems, marriage and family, sex roles, and religion and their relevance to modern life.

**GE D ; Approved diversity course**

- **ANTH 260 - Physical Anthropology**

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(4)

Evolution of the human species and our place in nature, emphasizing evolutionary theory, genetics, primate behavior and the fossil record.

**GE B3**

- **ANTH 270 - Introduction to Archaeology**

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(4)

Introduction to world prehistory, examination of basic archaeological concepts, investigation of extinct cultures.

- **ANTH 300 - Evolutionary Perspectives on Emotions**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Scientific explanations of primate behavior are used as a model for understanding the evolution of human behavior and emotions.

**GE Theme E**

- **ANTH 310 - Evolutionary Perspectives on Gender**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Evolutionary perspectives on gender differences in emotions, behavior, and sexuality, utilizing data from primate studies, the brain, and human evolution.

**GE Theme C**

• **ANTH 315 - Evolutionary Perspectives on Violence**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Scientific studies of evolutionary theory, primate behavior, and the brain are used as a way of understanding the expression and evolution of violence and aggression in humans.

**GE Theme B**

• **ANTH 320 - Mesoamerican Civilization**  
(also listed as ART/CHS/HIST/LAS 320)

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(4)

This is an interdisciplinary course that critically examines Mesoamerica as a civilization, with an emphasis on art, archaeology, literature, and cultural history.

• **ANTH 335 - Maturity and Aging in Crosscultural Perspective**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block D. A cross-cultural examination of the cultural, social, and psychological aspects of aging and the roles of adults and the elderly in society.

**GE Theme F ; Approved diversity course**

• **ANTH 338 - Gender Roles in Crosscultural Perspectives**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block D. Cross-cultural comparison of gender role differences and statuses of men and women, past and present, among traditional and contemporary populations worldwide.

**GE Theme C ; Approved diversity course**

• **ANTH 355 - Cultural Evolution and Ancient Civilizations**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block D. Organization and development of human cultural and social systems. This course includes critical examinations of evolutionary theories, and case studies of complex societies of the old and new worlds.

**GE Theme I**

• **ANTH 361 - Race, Racism, and Human Variation**

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Evaluation of cultural and environmental influences upon composition and distribution of human populations; consideration of the genetic basis for human variation and biological validity of race concept.

**GE Theme H**

• **ANTH 385 - Measurement of Human Difference**  
(also listed as PHIL 385)

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(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Exploration of issues of diversity and justice through examination of popularized accounts of scientific research into human difference; topics include I.Q. testing and race, "innate" gender differences, and sexuality.

**GE Theme H**



- **ANTH 396 - Honors Thesis**

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(1–3)

Prerequisite: Admission to honors program in Anthropology. Preparation of an honors thesis, under supervision of an adviser, acceptable to departmental honors committee. May be repeated to maximum of 6 units.

- **ANTH 401 - Comparative Cultures**

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(4)

Prerequisite: ANTH 250. Principal culture types and their geographical distribution, application of cultural data to ethnological problems.

- **ANTH 404 - Peoples of South America**

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(4)

Prerequisite: ANTH 250. Prehistoric, historic, and contemporary cultures of South America, with emphasis on sociological and ethnological principles of analysis and comparison.

- **ANTH 406 - Indians of North America**

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(4)

Prerequisite: ANTH 250. Native peoples of North America north of Mexico, their origins, culture change after contact with Europeans.

- **ANTH 407 - Indians of California**

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(4)

Prerequisite: ANTH 250. Native peoples of California, their origins, languages, and cultures.

- **ANTH 408 - Peasant Cultures of Middle America**

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(4)

Prerequisite: ANTH 250. Pre-Spanish civilizations of Mexico and Central America, the conquest and colonial backgrounds of present-day peoples, contemporary societies and cultures of the area.

- **ANTH 413 - Peoples of Africa**

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(4)

Prerequisite: ANTH 250. Historical and cultural backgrounds of traditional and contemporary societies of Africa south of the Sahara, Western and Asian influences, problems of social, economic, and political development.

- **ANTH 414 - Peoples of Asia**

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(4)

Prerequisite: ANTH 250. Peoples and cultures of Asia; interrelationships of contemporary groups and dynamics of culture change. Emphasis alternates among four areas: Japan and Korea; South Asia; Southeast Asia; China. May be repeated until all areas of emphasis are covered.

- **ANTH 415 - Asian American Communities in Southern California**  
(also listed as AAAS 415)

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(4)

The course examines the Asian American enclaves and communities in Southern California by exploring culture, ethnicity, solidarity, political economy, and resistance in their creation and maintenance of communities. Service learning option available.

- **ANTH 421 - Archaeology of North America**

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(4)

Prerequisite: ANTH 250. Early peopling of North America and development of prehistoric cultures in New World north of Mexican high culture area.

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• **ANTH 423 - Material Culture**

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(4)

Prerequisite: ANTH 250. The analysis and interpretation of utilitarian and non-utilitarian artifacts in early and contemporary cultures.

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• **ANTH 424 - Archaeological Research Techniques**

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(6)

Prerequisites: ANTH 270 or 407 or 421; instructor consent. Instruction in recovery and interpretation of archaeological data. Lecture 4 hours, laboratory and field work 6 hours. May be repeated to maximum of 12 units.

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• **ANTH 425 - Archaeology of the Old World**

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(4)

Prerequisite: ANTH 250. Growth of culture from its earliest beginnings to emergence of great civilizations, utilizing concepts, methods, and data of archaeology.

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• **ANTH 427 - Cultural Resources Management**

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(4)

Prerequisite: ANTH 270, or 250, or 260. Introduction to the concepts, goals, procedures and legislative basis of cultural resource management and historic preservation. Includes consideration of environmental impacts to archaeological, historic, ethnic and Native American values.

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• **ANTH 428 - Civilizations of Western Mesoamerica**

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(4)

Prerequisite: ANTH 250 or ANTH 270 or consent of the instructor. This course covers Mesoamerican civilization, focusing particularly on the high cultures of Mexico (Olmec, Teotihuacan, Toltec, Aztec, cultures of Oaxaca) and traces ten millennia of development as revealed by archaeology.

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• **ANTH 429 - Maya Civilization**

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(4)

Prerequisite: ANTH 250 or ANTH 270 or consent of the instructor. This course covers Maya civilization as revealed by archaeology. Lowland and Highland cultures are studied, with emphasis on social, political, economic, religious systems, as well as aesthetic and intellectual achievements.

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• **ANTH 430 - Social Organization**

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(4)

Prerequisites: ANTH 250 or 401 or SOC 414 or 444; instructor consent. Systems of kinship and marriage, with reference to social control, religion, law, politics, and economic organization.

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• **ANTH 432 - Anthropology of Wealth and Power**

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(4)

Prerequisite: ANTH 250. Theoretical perspectives and comparative ethnographic analyses of political-economic systems of preindustrial societies ranging from bands through contemporary peasantry.

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• **ANTH 433 - Urban Anthropology**

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(4)

Prerequisite: ANTH 250. Introduction to urban anthropology, including its history, methods of research, and major schools of thought, highlighting the structuring of urban space and social relations in cities around the world.

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- **ANTH 434 - Globalization and Cultural Change**

(4)

Prerequisite: ANTH 250. Anthropological theory and practice in the changing social, economic, and cultural conditions of the twenty-first century.

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- **ANTH 435 - Culture and the Individual**

(4)

Prerequisite: ANTH 250. Exploration of conformity and deviance in society through the comparative study of personality formation in different cultural and subcultural settings.

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- **ANTH 436 - Ethnicity and Nationalism**

(4)

Prerequisite: ANTH 250 or consent of the instructor. This course explores the origins and spread of nationalism, the national-state, and ethnicity as primary forces in the construction of social identities in the modern world.

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- **ANTH 437 - Magic, Witchcraft, and Religion**

(4)

Prerequisite: ANTH 250. Investigation of the domain of the sacred and supernatural in both technologically primitive and advanced societies. Emphasis on magic, witchcraft, taboo, myth, ritual, belief systems, and religious symbols.

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- **ANTH 440 - Applied Anthropology**

(4)

Prerequisite: ANTH 250 or consent of the instructor. This course covers the history and practice of applied cultural anthropology, including methods and ethics of applied anthropology and careers in applied anthropology.

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- **ANTH 441 - Anthropology and Identity**

(4)

Prerequisite: ANTH 250 or consent of the instructor. This course explores the ways that people understand themselves to be a cultural collective and how they maintain a shared sense of identity.

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- **ANTH 442 - Anthropology of Rights**

(4)

Prerequisite: ANTH 250 or consent of instructor. This course examines the roles of social justice and media in the development of concepts of indigenous, cultural, environmental and human rights.

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- **ANTH 444 - Medical Anthropology**

(4)

Prerequisite: ANTH 250 or SOC 201 or 202. Health in sociocultural perspective; applying anthropological concepts and knowledge to an understanding of health.

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- **ANTH 445 - Myth and Folklore**

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(4)

Prerequisite: ANTH 250. Basic forms of folklore including myth, legend, tale, song, and custom in cultural context, with attention to their origin, transmission, performance, function, and meaning.

### • **ANTH 446 - Anthropological Film**

---

(6)

Prerequisite: ANTH 250. Survey of films and approaches to film making in anthropology; methods of presenting data and theoretical analysis in film; practice in using film and videotape in field research. May be repeated to a maximum of 12 units with consent of instructor. Lecture 4 hours, laboratory 6 hours.....

### • **ANTH 447 - Anthropology of Media**

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(4)

Prerequisite: ANTH 250 or consent of the instructor. Introduction to media produced by Indigenous peoples, nonwestern local communities and grassroots activists, and exploration of the analytical frameworks used in anthropology for studying representational practices, subaltern transnational politics and media, global media culture, and cybersocieties.

### • **ANTH 448 - Sexualities and Gender Diversity in Global Perspective** (also listed as WOMN 448)

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(4)

Prerequisite: ANTH 250 or consent of the instructor. This course examines the diversity of forms of sexuality and their relationship to gender constructs around the world, with a focus on non-Western societies.

### • **ANTH 449 - Anthropology of Race and Racism** (also listed as AAAS 449, CHS 449, and LAS 449)

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(4)

This course examines the anthropological ideas of race, its emergence, and its relationship to the constructions of racisms and racializations in comparative settings and in contemporary situations.

### • **ANTH 454L - Special Topics in Anthropology**

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(1-6)

Prerequisites: As needed for specific topic. Topics of special interest in anthropology, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

### • **ANTH 454P - Special Topics in Anthropology**

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(1-6)

Prerequisites: As needed for specific topic. Topics of special interest in anthropology, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

### • **ANTH 459 - Human Osteology**

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(4)

Prerequisite: ANTH 260 or BIOL 101 or 200A or consent of instructor. Introduction to the human skeleton and laboratory analysis of bone. Analyzing skeletal remains, determining age, sex, race, stature, pathology. Discussing human osteology in an anthropological context. Lecture 2 hours, Lab 4 hours.

### • **ANTH 460 - Human Evolution**

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(4)

Prerequisite: ANTH 260. Critical examination of fossil evidence for human evolution considering importance of cultural evolution. Emphasizes recent discoveries and controversial theories surrounding them.

- **ANTH 462 - Human Ecology and Adaptation**

---

(4)

Prerequisite: ANTH 260. Comparative study of the adaptations of diverse human populations to their environments.

- **ANTH 463 - Forensic Anthropology**

---

(4)

Prerequisite: Upper division standing or instructor approval. Introduction to forensic anthropology, techniques for recovery of skeletonized remains, analyzing skeletal remains, time since death, special techniques including DNA, facial reconstruction and photo superimposition, legal aspects of forensic anthropology.

- **ANTH 464 - Methods and Techniques of Physical Anthropology**

---

(6)

Prerequisites: ANTH 260, instructor consent. Methods of data gathering and analysis in physical anthropology, including consideration of practical problems in field research and advantages and limitations of various field and laboratory techniques. Lecture 4 hours, laboratory 6 hours. May be repeated to maximum of 12 units.

- **ANTH 466 - Paleopathology**

---

(4)

Prerequisite: ANTH 260 or BIOL 200A or BIOL 200B or permission of instructor. Examination of skeletal disease in archaeological populations, the impact of infectious disease on political and social systems and the intersection between modern medical anthropology and the study of ancient remains.

- **ANTH 470 - Language and Culture**  
(also listed as ENGL 403)

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(4)

Prerequisite: ANTH 250. Nature, origin, and evolution of language; survey of approaches and studies illustrating variations in the relation of habitual thought and behavior to language.

- **ANTH 471 - Introduction to Linguistics**  
(also listed as ENGL 400)

---

(4)

Prerequisite: Upper division standing. Descriptive and historical study of language; problems of data collection and techniques of analysis, linguistic structure, language classification, language families of the world, language in its sociocultural setting.

- **ANTH 472 - Linguistic Analysis**

---

(4)

Prerequisites: ANTH 471 (may be taken concurrently); 250 recommended. A problems course in anthropological techniques of phonemic and morphemic analysis; close reading of technical, descriptive literature; survey of phonological and grammatical systems of non-Indo-European languages.

- **ANTH 480 - Anthropological Methods and Techniques**

---

(6)

Prerequisites: ANTH 250; instructor consent. Introduction to methodology of anthropological research, including methods of ethnographic investigation, ethnological analysis, and logical processes of problem-solving. Lecture 4 hours, laboratory and field work 6 hours.

## • ANTH 481 - Academic Writing and Publishing




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(4)

Prerequisites: Upper division or graduate standing, satisfactory completion of the Graduation Writing Assessment Requirement (GWAR).  
Introduction to conceptualizing, writing, revising, and publishing academic essays, books, and reviews in the social sciences.

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## Course Descriptions

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### Anthropology (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 497

- **ANTH 485 - Archaeological Analysis**

---

(6)

Prerequisites: ANTH 421 or 424 and consent of instructor. Introduction to the basic concepts, principles, goals, and methodologies of archaeological analysis and interpretation. May be repeated to a maximum of 12 units for credit. Lecture 4 hours, laboratory 6 hours.

- **ANTH 497 - History of Ethnological Theory**

---

(4)

Prerequisites: 16 units of anthropology and/or sociology, as approved by instructor. Historical survey and analysis of major schools of anthropological thought.

- **ANTH 499 - Undergraduate Directed Study**

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(1–8)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and final report submitted. May be repeated to maximum of 8 units.

### Anthropology (Graduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 497

Classified graduate standing is required for admission to all 500-level courses.

- **ANTH 501 - Seminar: Ethnography**

---

(4)

Prerequisites: Graduate standing in a social science major, instructor consent. Selected topics in major world areas, as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units for different areas.

- **ANTH 510A - Seminar: Anthropological Theory and Analysis**

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(4)

Advanced consideration of problems involved in application of anthropological theory to cultural data; limitations of contemporary analytical methods.

- **ANTH 510B - Seminar: Anthropological Theory and Analysis**

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(4)

Advanced consideration of problems involved in application of anthropological theory to cultural data; limitations of contemporary analytical

methods.

- **ANTH 520 - Seminar: Archaeology**

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(4)

Prerequisite: ANTH 421, 424, or 425. Archaeological theory, method, and relationship of archaeological materials to central problems of anthropology. May be repeated once for credit.

- **ANTH 521 - Development of Archaeological Theory**

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(4)

Prerequisite: Graduate standing or instructor consent. Presents advanced consideration of the development of archaeological theory from a historical perspective.

- **ANTH 530 - Seminar: Social Organization**

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(4)

Prerequisite: Classified graduate standing in anthropology. Problems and theories of contemporary social anthropology. May be repeated once for credit.

- **ANTH 560 - Seminar: Physical Anthropology**

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(4)

Prerequisite ANTH 361 or 462. Problems and theories of contemporary physical anthropology. May be repeated once for credit.

- **ANTH 563 - Advanced Forensic Anthropology**

---

(4)

Prerequisites: Graduate standing and ANTH 459 and ANTH 463 and/or instructor approval. Advanced topics in forensic anthropology, including recovery techniques, analyzing skeletal remains, time since death, special techniques, facial reconstruction and photo superimposition, legal aspects of forensic anthropology. Lecture 3 hours, activity 2 hours.

- **ANTH 564 - Forensic Osteology**

---

(4)

Prerequisite: ANTH 459, 463 and 563 or consent of instructor. Advanced forensic anthropological study of human skeletal system, including identification of skeletal fragments, preparation and curation of human remains and relevant federal and California laws pertaining to human remains. Lecture 2 hours, Activity 4 hours.

- **ANTH 565 - Bioarchaeol**

---

(4)

Prerequisite: Graduate standing or instructor approval. Interpretation of prehistoric and historic human remains for disease, stress, injury and violence. Demographic history of once-living populations. Legal and ethical issues in the field.

- **ANTH 570 - Seminar: Language and Culture**

---

(4)

Prerequisite: Sixteen units of ANTH courses, including 470 or 471. Advanced study of concepts of language and culture; use of linguistic data and methods in anthropology; relationships between linguistic and nonlinguistic behavior; linguistic models. May be repeated for credit.

- **ANTH 580 - Methods in Ethnography**

---



(5)

Prerequisite: Classified graduate standing in anthropology. Advanced principles and methods concerned with ethnographic field work; techniques of gathering, reporting, and interpreting field data relating to research problems and design. May be repeated once for credit. Lecture 3 hours, laboratory and field work 6 hours.

- **ANTH 594 - Seminar: Problems in Anthropology**

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(4)

Prerequisite: Classified graduate standing in anthropology. Problems and theories of contemporary anthropology. May be repeated once for credit.

- **ANTH 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **ANTH 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 8 units.

- **ANTH 599 - Thesis**

---

(1–3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of thesis proposal prior to registration, completion of 24 units in their Master of Arts degree program as well as ANTH 481 and ANTH 510AB. Independent research resulting in a thesis. Must be repeated to total of 6 units. Graded CR/NC.

### **Applied and Advanced Studies in Education (Graduate)**

Graduate Course

- **EDFN 551 - Action Research in Education**

---

(4)

This course explores Action Research as a critical, action-oriented inquiry designed to link with strategies of the change process. The site for change can be a classroom, a work site, an institution, etc. Action research is seen as a way to explore questions that arise in your own practice and/or school; it is seen as a new approach to knowledge generation, professional development, transformational learning and educational change.

### **Arabic (Undergraduate)**

- **ARAB 100A - Elementary Arabic**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Arabic. Introduction to the customs, culture, and institutions of the Arabic-speaking peoples.

- **ARAB 100B - Elementary Arabic**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Arabic. Introduction to the customs, culture, and institutions of the Arabic-speaking peoples.

## • ARAB 100C - Elementary Arabic

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Arabic. Introduction to the customs, culture, and institutions of the Arabic-speaking peoples.

### Art (Undergraduate)

\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

Upper division standing is prerequisite to enrollment in all upper division art courses. Students majoring or minoring in Art must have completed applicable lower division core courses or equivalents; students in other fields must have instructor consent.

#### 400-level Courses

\*There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes. All 400-level courses may be applied toward master's degree requirements except the following, ART 400, 401, 415, 499. (Art Education Option may apply ART 400)

## • ART 101A - World Art

---

(4)

Survey of historical development of painting, sculpture, and architecture throughout the world. Survey of the historical development of world art including painting, sculpture, and architecture from the Paleolithic period to approximately 1000 CE.

C-ID \*ARTH 110

\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

GE C2

## • ART 101B - World Art

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(4)

Survey of historical development of painting, sculpture, and architecture throughout the world. Survey of the historical development of world art including painting, sculpture and architecture from approximately 1000 CE to 1500 CE.

GE C2

## • ART 101C - World Art

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(4)

Survey of historical development of painting, sculpture, and architecture throughout the world. 101A: Survey of the historical development of world art including painting, sculpture, and architecture from the Paleolithic period to approximately 1000 CE. 101B: Survey of the historical development of world art including painting, sculpture and architecture from approximately 1000 CE to 1500 CE. 101C: Survey of the historical development of world art including painting, sculpture, and architecture from 1500 CE to the present.

C-ID \*ARTH 120

\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

GE C2

- **ART 102 \* - Introduction to Clay and Ceramic Processes**

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(3)

Orientation to ceramic processes; hand-building techniques for pottery and sculpture; historical examples from different periods and cultures related to form and surface treatment and glaze application. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Activity 6 hours.

- **ART 103 - Two-Dimensional Art Fundamentals**

---

(4)

Introduction to fundamental concepts, organizing principles and historical references of two-dimensional art. Studio projects develop a visual vocabulary of two-dimensional elements and relationships common to all forms of creative expression. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 100

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 104 - Introduction to Drawing**

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(3)

Drawing experiences involving development of form, structure, light and dark, and relationships of visual structural elements. Activity 6 hours.

- **ART 106 - Apparel Construction I**

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(3)

Clothing construction techniques, with emphasis on application of principles. Activity 6 hours.

- **ART 108 - Apparel Construction II**

---

(3)

Advanced processes of apparel construction and finishing. Application of couture techniques and methods. Activity 6 hours.

- **ART 109 - Three-Dimensional Art Fundamentals**

---

(4)

Introduction to fundamental concepts and history of three-dimensional form, as found in nature, sculpture, design and architecture. Studio projects explore expressive potential of three-dimensional forms using various materials and methods. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 101

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 150 - Survey and Studio: Introduction to Sculpture**

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(4)

Human development and the arts as experienced through sculpture; history, forms, functions, cultural survey, interrelationships and symbolism

correlated with personal exploration. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 240

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE C2

## • **ART 152 \* - Survey and Studio: Introduction to Ceramics**

---

(4)

Human development and the arts as experienced through ceramics; history, forms, functions, cultural survey, interrelationships, and symbolism correlated with personal exploration. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 230

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE C2

## • **ART 155 - Survey and Studio: Introduction to Painting**

---

(4)

Human development and the arts as experienced through painting; history, forms, functions, cultural survey, interrelationships, and symbolism correlated with personal exploration. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 210

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE C2

## • **ART 156 - Survey & Studio: Textiles and Apparel**

---

(4)

Human development and the arts as experienced through textiles and apparel; history, forms, functions, interrelationships, and symbolism correlated with personal exploration. Lecture 2 hours, activity 4 hours.

GE C2

## • **ART 157 \* - Survey and Studio: Introduction to Metal and Jewelry Design**

---

(4)

Human development and the arts as experienced through metal and jewelry design; history, forms, functions, cultural survey, interrelationships, and symbolism correlated with personal exploration. Lecture 2 hours, activity 4 hours.

GE C2

- **ART 159 - Survey and Studio: Introduction to Drawing**

---

(4)

Human development and the arts as experienced through drawing; history, forms, functions, cultural survey, interrelationships, and symbolism correlated with personal exploration. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C2**

- **ART 180 - Introduction to Computer Graphics I**

---

(3)

Introduction to and analysis of the uses of computer hardware and software in Art and Design; practical and creative applications. Activity 6 hours.

- **ART 181 - Introduction to Computer Graphics II**

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(3)

Prerequisite: Art 180. Introduction to and analysis of the uses of interactive design and motion graphics software in Art and Design, including practical and creative applications. Activity 6 hours.

- **ART 202 - Textile Structures**

---

(4)

Introduction to fundamental concepts and techniques of fabric structure. Projects include exploration of basic woven and knit constructions. Lecture 2 hours, activity 4 hours.

- **ART 203 - Advanced Two-Dimensional Art Fundamentals**

---

(4)

Prerequisite: ART 103. Advanced study of the fundamental concepts, principles, and historical references of two-dimensional art with an emphasis on the creative process and development of individual artistic expression. Lecture 2 hours, activity 4 hours.

- **ART 204 - Fashion Design: Flat Pattern I**

---

(4)

Prerequisite: ART 106, 208, or instructor consent. Principles and techniques of pattern making, with emphasis on style development and fitting. Lecture 2 hours, activity 4 hours.

- **ART 206 - Fashion Merchandising Concepts**

---

(4)

Concepts, principles, and overview of fashion merchandising.

- **ART 208 - Textiles**

---

(4)

Fundamental study of fibers, yarns, fabrics, color, and finishes; emphasis on properties and performance in relation to selection, use, and care. Lecture 2 hours, activity 4 hours.

- **ART 209 - Perspectives on Art, Diversity, and World Culture**

---

(4)

Understanding diversity, identity, and power through comparisons of the forms, symbols, and meanings of visual art produced by groups and/or individuals of various cultures. Some sections may include a service learning option.

**GE C2**

- **ART 220 - Concept Development**

---

(3)

Prerequisites: ART 103, 159. Introduction to the processes, tools, and theories related to the development of visual and conceptual ideas for graphic design and visual communication. Activity 6 hours.

- **ART 234 - Introduction to Painting**

---

(3)

Creative use of color based on an understanding of visual structural elements; study and manipulation of various media including watercolor and oil. Activity 6 hours.

- **ART 237 - History of Design**

---

(4)

Historical survey of design and the design process, including an examination of artistic, cultural, social, and theoretical factors that influence design.

- **ART 240 - Art and Life Perspectives**

---

(4)

Comparative analyses of indigenous, blended, and industrialized socio-cultural groups' art forms and views of time, environment, birth, death, and ancestry, as these views are expressed through their visual art forms.

**GE E ; Approved diversity course**

- **ART 244A - Introduction to Life Composition**

---

(2)

Prerequisite: ART 159. Basic concepts of figure drawing and sculpting, exploration of form, structure, proportions of human figure; techniques as applied to visual expression. Activity 4 hours.

\*C-ID ARTS 200

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 244B - Introduction to Life Composition**

---

(2)

Prerequisite: ART 159. Basic concepts of figure drawing and sculpting, exploration of form, structure, proportions of human figure; techniques as applied to visual expression. Activity 4 hours.

\*C-ID ARTS 200

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 244C - Introduction to Life Composition**

---

(2)

Prerequisite: ART 159. Basic concepts of figure drawing and sculpting, exploration of form, structure, proportions of human figure; techniques as applied to visual expression. Activity 4 hours.

- **ART 254 L - Special Topics in Art**

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(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- **ART 254P - Special Topics in Art**

---

(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- **Art 280 - World Animation History**

---

(4)

Survey and analysis of diverse international animation practices, including the history, cultural influences and contemporary interpretations of animation.

- **ART 287\* - Introduction to Photographic Processes**

---

(4)

Basic principles of black and white photography: tools, materials, techniques, and philosophies of photography as an expressive medium. Recommended that students furnish their own cameras. Lecture 2 hours, activity 4 hours.

\*C-ID ARTS 260

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 302 - Social Aspects of Fashion**

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(4)

Prerequisite: GE social science requirement. Study of fashion from a sociological and psychological perspective with particular emphasis on the processes people use to associate apparel and appearance with certain meanings, and the social consequences of those meanings.

- **ART 303 - Three-Dimensional Design**

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(4)

Prerequisites: ART 103, 109, 203. Theoretical, historical, and functional study of three-dimensional design for creative development. Studio projects explore a variety of materials, processes and technologies. Lecture 2 hours, activity 4 hours.

- **ART 304 - Fashion Design: Flat Pattern II**

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(4)

Prerequisite: ART 204. Advanced fashion designing through the pattern methods. Lecture 2 hours, activity 4 hours.

- **ART 307\* - Intermediate Ceramic Art**

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(4)

Prerequisite: ART 152 or consent of instructor. Intermediate level study of ceramic art concepts, processes, and history. Development of concepts and techniques to achieve individual expression. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

- **ART 308 - Graphic Design I**

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(4)

Prerequisites: ART 180, 220, 333. Introduction to fundamental concepts of graphic design theory and practice including strategy, concept, design and production for visual communication. Lecture 2 hours, activity 4 hours.

- **ART 313 - Letterform**

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(4)

Prerequisites: ART 180, 203. Technical, theoretical and historical foundations of lettering and typographic form. Development of skills and methodology related to the professional use of letterforms in graphic communication. Lecture 2 hours, activity 4 hours.

- **ART 314 - Intermediate Sculpture**

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(4)

Prerequisite: ART 150 or consent of instructor. Continued examination and development of creative approaches in sculpture concepts and processes. Exploration of varied materials as used in individual expression. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

- **ART 316 - Foundations of Art**

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(4)

Exploration of historical and contemporary issues in the visual arts as related to philosophies, theories, and practices of teaching and learning in art. Includes field experiences. Lecture 3 1/2 hours; activity 1 hour.

- **ART 317 - Visual Arts in Urban Contexts**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Explorations of visual arts in different urban contexts. Comparisons of diverse groups of artists, urban art forums, and processes of achieving recognition and legitimacy. May include service learning (optional).

**GE Theme D**

- **ART 320 - Mesoamerican Civilization**  
(also listed as ANTH/CHS/HIST/LAS 320)

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(4)

This is an interdisciplinary course that critically examines Mesoamerica as a civilization, with an emphasis on art, archaeology, literature, and cultural history.



- **ART 322 - Interactive Design I**

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(4)

Prerequisites: ART 181, 203, 220. The study of computer-based interactive and graphic interface design, including the effective organization and communication of ideas and information. Lecture 2 hours, activity 4 hours.

- **ART 323 - Perspective Drawing**

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(4)

Study of perspective drawing and related methodologies to develop and communicate design concepts. Visualization of three-dimensional objects using one-point and two-point perspectives including shadows, slopes, and reflections. Lecture 2 hours, activity 4 hours.

- **ART 333 - Color Theory and Perception**

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(4)

Prerequisite: ART 203. Intensive study of color theory and color perception. Lectures and studio projects examine the aesthetic, practical, optical, psychological, symbolic, historical and cultural aspects of color. Lecture 2 hours, activity 4 hours.

- **ART 338 - Textile Design**

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(4)

Prerequisite: ART 103 or consent of instructor. Fundamental theories, concepts, and processes used for print textile design. Includes use of computer as a design tool. May include field trips. Lecture 2 hours, activity 4 hours.

- **ART 340 - Art Production Practicum**

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(2)

Requires permission from the department. Application of processes, technologies, and theories related to specific art/design activity. Limited to 2 units per quarter. Meets 8 hours per week or by assignment. May be repeated to a maximum of 12 units for elective credit only. Graded ABC/NC

- **ART 356 - Written Expression in Visual Arts**

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(4)

Prerequisite: Satisfactory completion of Graduation Writing Assessment Requirement (GWAR). Study and practice in forms of writing pertaining to art including theory, criticism, and historical research and analysis.

- **ART 362 - Textile and Apparel Analysis**

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(4)

Prerequisite: Art 208. Basic principles of textile and apparel analysis and evaluation, manufacturing specifications and processes.

- **ART 364 - Intermediate Drawing**

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(4)

Prerequisite: ART 159 or consent of instructor. Historical study in composition with diversified subjects. Comprehensive drawings in line, value and shape. Lecture 2 hours, activity 4 hours.

- **ART 374 - Intermediate Painting**

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(4)

Prerequisite: ART 155. Continued study of history, styles and content in painting with emphasis on development of individual concepts. Lecture 2 hours, activity 4 hours.

- **ART 376 - Story and Visualization (4)**

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Prerequisites: ART 103, ART 159. Introduction to visual storytelling and content development in preparation for animation projects. Research and exploration of visualization techniques, using imaginative approaches to develop character, narrative and storyboard creativity. Lecture 2 hours, activity 4 hours.

- **ART 377\* - Intermediate Photography**

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(4)

Prerequisite: ART 287. Development of individual creative approaches and philosophies in photography as well as strengthening of controls and techniques of black and white processes. Camera recommended. Lecture 2 hours, activity 4 hours.

- **ART 378 - Art and Motion**

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(4)

Prerequisite: ART 280 Application of a variety of analog and digital animation approaches that focus on the essential art of time and movement. Lecture 2 hours, activity 4 hours.

- **ART 380 - Two-Dimensional Animation**

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(4)

Prerequisites: ART 180, ART 280, ART 378. Production of two-dimensional animated projects, using digital and drawing techniques, as well as other two-dimensional animation methods. Lecture 2 hours, activity 4 hours.

- **ART 381 - Experimental Animation (4)**

---

Prerequisites: ART 280, ART 378. Production and practice of non-narrative animation approaches and techniques, with a focus on animation that originates from color, texture; and material experimentation. Lecture 2 hours, activity 4 hours.

- **ART 382 - Computers in Fashion Merchandising**

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(4)

Prerequisites: Art 206. Introductory computer course. Computers in art and design. Applications for apparel manufacturing, retailing, and promotion which include descriptions, functions, visual problem solving, and computer technology in the global marketplace. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

- **ART 383 - Digital Modeling**

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(4)

Prerequisite: ART 180. Use of three-dimensional digital modeling methods to create sculptural content and objects interpreted from direct observation. Creative texturing, lighting and surfacing methods are explored. Lecture 2 hours, activity 4 hours.

- **ART 384 - Computers in Fashion Design**

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(4)

Prerequisite: Art 204. Introductory computer course. Computers in art and design. Manipulation and integration of two and three dimensional objects for problem solving using computer applications for apparel design. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

- **ART 386 - Computers in Textiles**

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(4)

Prerequisite: Art 208, Introductory computer course. Computers in art and design. Information and specific computer applications for the textiles industry, including weaving and knitting technology and surface design. May include field trips. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

### • **ART 387\* - Color Photography**

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(4)

Prerequisite: ART 377 or consent of instructor. Introduction to color films and papers; work with properties of color films and producing prints from color materials. Lecture 2 hours, activity 4 hours.

### • **ART 388 - Illustration**

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(4)

Prerequisites: ART 159, 203, 244AB. Study of the theoretical, historical and practical aspects of illustration with an emphasis on composition and drawing and painting techniques using various media. Lecture 2 hours, activity 4 hours.

### • **ART 390 - Art and Design in the Community**

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(4)

Prerequisite: Upper division standing or instructor consent. Art and design in public places, the organization of public space and community identity. Participation in collaborative activities utilizing art and design skills in service to the community. May be repeated to a maximum of 8 units. Lecture 2 hours, activity 4 hours.

### • **ART 398 - Cooperative Education** (see UNIV 398)

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(1–8)

Cooperative Education

### • **ART 400\* - Elementary Classroom Visual Art**

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(3)

Exploration and integration of creative expression, artistic perception, historical-cultural contexts, and aesthetic valuing as components of teaching visual art in the elementary classroom. Meets four hours per week. Some sections include service learning.

\*There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

*All 400-level courses may be applied toward master's degree requirements except the following, ART 400, 401, 499. (Art Education Option may apply ART 400)*

### • **ART 401 - Proseminar: Critical Theories in Visual Arts**

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(3)

Prerequisites: ART 101A or 101C; 426; senior standing as Art major or recommendation of department. Systematic approach to art theory, criticism, and evaluation within the visual arts; development of independent critical and artistic viewpoints with regard to creation of art forms.

### • **ART 402 - Advanced Color Photography**

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(4)

Prerequisite: ART 387 or consent of instructor. Advanced techniques, theories, history of color photography; student production of comprehensive body of work utilizing color processes. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

- **ART 406 - Ancient Near Eastern Art and Archaeology**

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(4)

Art and archaeology of ancient Mesopotamia, Egypt, Crete, and Greece. Principal monuments of architecture, sculpture, and the applied arts.

- **ART 408 - Graphic Design II**

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(4)

Prerequisite: ART 308, 313. Advanced theory and practice of graphic design using visual communication processes and technologies. Project planning and development through study and application of professional practices. Lecture 2 hours, activity 4 hours. May be repeated to maximum 8 units.

- **ART 411 - Greek and Roman Art**

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(4)

Art of Greece, its development in Hellenistic and Roman times, and the Etruscan influences.

- **ART 412\* - Advanced Ceramic Art**

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(4)

Prerequisite: ART 307. Advanced techniques, concepts, analysis, and history of ceramic art. Student productions of ceramic art using varied methods and approaches. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

- **ART 413 - Typography I**

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(4)

Prerequisite: ART 313. Study of typographic principles, analysis of historical references in typographic design, and the use of technology in professional typographic practice. Lecture 2 hours, activity 4 hours.

- **ART 414 - Advanced Painting**

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(4)

Prerequisite: ART 374. Studio painting and pictorial organization. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

- **ART 416 - Medieval Art**

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(4)

Principal monuments of Medieval architecture, sculpture, and painting covering the Celtic, Carolingian, Ottonian, Romanesque, and Gothic periods.




- **ART 417\* - Advanced Ceramic Processes**

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(4)

Prerequisite: ART 412. Advanced theories, analysis, and history of ceramic art, with emphasis on advanced application of ceramic techniques of forming, finishing, and firing to express individual concepts. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

## Course Descriptions

  [Contract All Courses](#) |  [Print this Page](#)

### Art (Undergraduate)

\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

Upper division standing is prerequisite to enrollment in all upper division art courses. Students majoring or minoring in Art must have completed applicable lower division core courses or equivalents; students in other fields must have instructor consent.

#### 400-level Courses

\*There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes. All 400-level courses may be applied toward master's degree requirements except the following, ART 400, 401, 415, 499. (Art Education Option may apply ART 400)

#### • ART 418 - Business Principles and Practices for Artists and Designers

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(4)

Business management for small design or studio offices; training in freelance procedures, billing, contracts, portfolios, licenses, and artist representation; survival strategies.

#### • ART 419 - Typography II

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(4)

Prerequisites: ART 308, 413. Advanced study in typographic communication design, including the creative use of typography and publication design. Lecture 2 hours, activity 4 hours. May be repeated to a maximum of 8 units.

#### • ART 420 - Textile and Apparel Economics

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(4)

Prerequisite: ECON 150 or 201 or 202. Examination of linkages between the textile and apparel complex industries on a global basis. Consideration of design, merchandising and textiles.

#### • ART 421 - Baroque Art

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(4)

Art of Western Europe from 16th through late 17th century.

#### • ART 422 - Interactive Design II

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(4)

Prerequisites: ART 322. The advanced study and design of computer based interactive media including the effective organization and communication of ideas and information. Lecture 2 hours, activity 4 hours. May be repeated to maximum 8 units.

#### • ART 426 - Modern Art

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(4)

Evolution of modern painting, sculpture, and architecture since Impressionism; surrealism, Russian constructivism, and abstract expressionism.

- **ART 429 - Advanced Sculpture**

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(4)

Prerequisite: ART 314. Advanced techniques, theories, concepts, and history in sculpture. Student production of sculpture using varied methods and approaches. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

- **ART 430 - Fashion Merchandising Processes**

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(4)

Prerequisites: ART 206, MKT 344. Merchandising processes and fashion promotion strategies: planning, buying, and control of fashion products.

- **ART 431A - The Arts of Asia: India and Iran**

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(4)

Traditional and modern art, architecture and graphic arts of India and Iran. Study of the contribution religion and politics made in the formation of artistic traditions.

- **ART 431B - The Arts of Asia: China and Japan**

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(4)

Traditional and modern art, architecture and graphic arts of China and Japan. Study of the contribution religion and politics made in the formation of artistic traditions.

- **ART 434 - Advanced Painting Processes**

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(4)

Prerequisite: ART 414. Techniques of painting; advanced studies in pictorial composition through process, theory and technique. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

- **ART 435\* - Exploring the Arts in Early Childhood**

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(4)

A conceptual and experimental approach to the interrelationships of visual arts and dance in the education of young children. Studio experiences included. Lecture 2 hours, activity 4 hours.

- **ART 436 - Renaissance Art**

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(4)

Art of Europe from 15th and 16th centuries.

- **ART 437 - Contemporary Design History**

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(4)

Prerequisite: ART 237. Survey of contemporary graphic design including a critical examination of artistic, cultural, social and theoretical factors, since the mid-twentieth century.

- **ART 438\* - Advanced Textile Design**

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(4)

Prerequisite: ART 338 or consent of instructor. Advanced theories, concepts, and procedures in print textile design. Includes use of computer as a design tool. May include field trips. Lecture 2 hours, activity 4 hours.

- **ART 441 - American Art**

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(4)

History of painting, sculpture, architecture, and minor arts of America from colonial times to present.

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• **ART 442 - Advanced Textiles**

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(4)

Prerequisite: ART 208. Evaluation of research, technical developments, and issues related to the production and consumption of textile products.

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• **ART 444 - Fashion Promotion**

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(4)

Prerequisites: ART 206, 209; MKT 340. Merchandising process and strategies; advertising and sales promotion of fashion products.

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• **ART 445 - Advertising Art Direction**

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(4)

Prerequisites: ART 308, 413. Advertising art direction theory and application using various media, processes and technologies for mass communication. Emphasis is placed on marketing and concept development through analysis of cultural, economic, and psychological factors. Lecture 2 hours, activity 4 hours. May be repeated to a maximum of 8 units.

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• **ART 446 - Art of Latin America**

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(4)

Art of Latin America from ancient civilizations to contemporary painting, crafts, and architecture.

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• **ART 447 - The Art of Mesoamerica and the Southwest**

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(4)

The art and architecture of the ancient civilizations of pre- Columbian Mesoamerica and the Southwestern region of the United States, from the time of the Olmecs through that of the Maya and Aztecs.

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• **ART 449 - Video for Artists**

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(4)

Prerequisite: Art 287 or consent of instructor. Examination of contemporary video art through required readings, viewing artists' videos and student production of video work. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

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• **ART 450 - The Colonial Art of Mexico and Guatemala**

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(4)

The art and architecture of Colonial Mexico and Guatemala, from the time of the Spanish Conquest in 1521 to Independence from Spain in 1821, with emphasis on: Tequitqui, Baroque and Churrigueresque.

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• **ART 451 - Mannerism: High Renaissance to Baroque**

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(4)

Sixteenth century architecture, painting, sculpture, and minor arts from High Renaissance to Baroque.

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• **ART 453 - Aztec Art and Culture**

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(4)

Art, architecture, and culture of the Aztec civilization of Mesoamerica.

- **ART 454L,P - Special Topics in Art**

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(1–4)

Prerequisites: Upper division standing; courses as needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- **ART 456 - Art of the Ancient Andes**

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(4)

Art and architecture of the Andean region in South America, from the time of the Chavin culture through the Incas.

- **ART 457 - Mexican Muralists and Frida Kahlo**

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(4)

The mural art of Mexico between 1910 and 1974, emphasizing Orozco, Siqueiros, Rivera and Frida Kahlo.

- **ART 459 - Advanced Fashion Design Processes**

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(4)

Prerequisite: ART 108 A and B, ART 204. Traditional and contemporary fashion design principles and techniques used for construction and assembly of garments. Tailoring techniques used for construction and assembly of garments. Tailoring techniques emphasized. Lecture 2 hours, activity 4 hours.

- **ART 460 - Multicultural Approaches to Visual Arts**

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(4)

Prerequisite: ANTH 250. Analysis of art experience as human behavior responsive to sociological, ecological, political and historical conditions in American and other cultures. Specially recommended for students preparing for bilingual/crosscultural specialist credential.

- **ART 466 - Nineteenth Century Art**

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(4)

Art of western Europe from David to end of nineteenth century.

- **ART 468 - Problems in Advanced Design**

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(4)

Prerequisite: ART 408. Advanced study and research in visual communications design and the use of processes and technologies relevant to practice within the professional community. Lecture 2 hours, activity 4 hours. May be repeated for a maximum of 8 units. Some sections of this course require service learning and will be identified in the schedule of classes.

- **ART 469 - Historic Textiles**

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(4)

Prerequisite: ART 208. Historic textiles from earliest times to present; records and preserved textiles viewed as reflections of life and textile development of countries and major civilizations.

- **ART 471 - History of Costume**

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(4)

Historic costume from earliest times to present as related to the art of dress. Records and preserved costume viewed as reflections of life and costume development of countries and major civilizations.

- **ART 474\* - Printmaking: Etching**

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(3)

Graphic processes of etching; work in black and white and color. Activity 6 hours. May be repeated to maximum of 12 units.

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• **ART 475 - Visual Arts and Human Development**

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(4)

Analysis of relationships between the visual arts and aspects of human development through case study research.

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• **ART 476 - Early Christian and Byzantine Art**

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(4)

Prerequisite: ART 101A. Art history from 250 to 1453 AD in Eastern Empire, to 476 AD in Western Roman Empire; covers key monuments of architecture, sculpture, painting, and applied arts.

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• **ART 477 - History of Photography**

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(4)

Prerequisites: ART 101ABC. History of photography from 19th century to present with an emphasis on 20th century practice. Relationship of photography with history, culture, technology, art, social values and other concerns.

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• **ART 481 - African Art**

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(4)

Art of sub-Saharan Africa. Includes historic art of Benin, Ghana, and Congo kingdoms and traditional art of Western Sudan, Guinea Coast, and the Congo.

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• **ART 482 - Photographic Manipulations and Extensions**

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(4)

Prerequisite: ART 377 or consent of instructor. Use of photographs as part of broad vocabulary of processes; exploration of techniques and methods outside mainstream of photography. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

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• **ART 484 - Advanced Sculpture Processes**

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(4)

Prerequisite: ART 429. Advanced theories, analysis, and history of sculptural art, with emphasis on advanced application of sculpture techniques to express individual concepts. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

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• **ART 487 - Advanced Photography**

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(4)

Prerequisite: ART 377 or consent of instructor. Advanced experimental photographic techniques including examination of critical, creative problems with an emphasis on individual development and growth. Lecture 2 hours, activity 4 hours. May be repeated to a maximum of 8 units. Some sections of this course require service learning and will be identified in the schedule of classes.

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• **ART 488 - Advanced Illustration**

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(4)

Prerequisite: ART 388. Advanced study of the theoretical, historical and practical aspects of illustration. Exploration and analysis of composition, story line, and dramatization. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

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• **ART 489 - Advanced Fashion Design**

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(4)

Prerequisites: ART 106, 108, 204. Principles and techniques of advanced fashion design. Analysis of interrelationship among materials, fashion design, and the human figure. Emphasis on draping technique. Lecture 2 hours, activity 4 hours.

## • **ART 491 - Art Since 1945**

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(4)

Prerequisite: ART 426. Beginning with surrealism and abstract expressionism, this course delineates the many styles of the 1960s and focuses upon postmodern art of the 1970s and 1980s.

## • **ART 492A - Senior Capstone - Art History**

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(4)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

## • **ART 492E - Senior Capstone - Art Education**

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(4)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

## • **ART 492F - Senior Capstone - Fashion and Textiles**

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(4)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

## • **ART 492G - Senior Capstone - Graphic Design / Visual Communication**

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(4)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

## • **ART 492S - Senior Capstone - Studio Arts**

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(4)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

## • **ART 493 - Digital Image Processing and Illustration**

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(4)

Prerequisite: ART 408. Advanced study in the use of digital technology and methodology in image processing and illustration. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

## • **ART 494 - Three-Dimensional Animation**

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(4)

Prerequisites: ART 180, ART 280, ART 378, ART 380. Creation of lifelike animation using three-dimensional animation software. Preparation of animated elements and characters for verbal and non-verbal dramatic expression. Lecture 2 hours, activity 4 hours.

- **ART 495 - Directed Fieldwork In Art**

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(4)

Prerequisite: Departmental consent, completion of 135 units, and 3.0 GPA. Supervised field experience in a specific area of art providing an opportunity for students to develop practical knowledge in a professional environment.

- **ART 496 - Advanced Animation**

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(4)

Prerequisite: ART 376, ART 378, ART 380, ART 494. Creation of short dramatic animation projects using both two-dimensional and three-dimensional techniques. Advanced development of character animation and expressive verbal and nonverbal acting. Lecture 2 hours, activity 4 hours.

- **ART 498 - Capstone Animation Project**

**(also listed as TVF 498)**

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(4)

Prerequisites: Consent of the instructor plus one of the following sequences: ART 480, 494, 496, or TVF 377, 378, 381. The design, pre-production, production and postproduction of an advanced animated work suitable for portfolio presentation. Up to six units may be taken by a student who is assisting on someone else's Capstone Animation Project. Activity 8 hours. 12 units required for animation majors.

- **ART 499 - Undergraduate Directed Study**

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(1–3)

Prerequisites: Senior standing, completion of all upper division course work in area of study, consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly and a final report submitted. Limited to 3 units per quarter. May be repeated to maximum of 9 units.

#### **Art (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following: ART 400, 401, 415, 499 (Art education option may apply ART 400)*

*Classified graduate standing is required for admission to all 500 level courses*

- **ART 500 - Seminar: Art Education**

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(3)

Prerequisites: Teaching experience, 20 units in art. Opportunities for teachers to evaluate their experiences in light of new techniques and concepts; problems resolved through group interaction; background in subject matter increased through research and experimentation. May be repeated to maximum of 6 units.

- **ART 501A - Seminar: Ancient Art History**

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(3)

Prerequisite: Classified standing in MA/MFA program. In-depth study of selected topics in art from the Paleolithic period to approximately 1000 CE. Development, discussion, and presentation of research papers.

- **ART 501B - Seminar: Art History of Changing Eras**

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(3)

Prerequisite: Classified Standing in MA/MFA program. In-depth study of selected topics in Art from primarily the 15th –19th century CE time period. Development, discussion, and presentation of research papers.

- **ART 501C - Seminar: Contemporary Art History**

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(3)

Prerequisite: Classified Standing in MA/MFA program. In-depth study of selected topics in contemporary art. Development, discussion, and presentation of research papers.

- **ART 502M - MFA Seminar: Visual Arts**

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(3)

Prerequisite: Classified standing in Graduate MFA program. Critical approach to the visual arts through examination of the roles and works of artists in society. May be repeated to maximum of 9 units.

- **ART 503 - Graduate Problems in Design**

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(3)

Prerequisite: Classified standing in graduate program. Independent research applied to problems of contemporary design permitting students to pursue specific interests in advanced areas. May be repeated to a maximum of 12 units.

- **ART 504M - MA/MFA Seminar: Studio Art**

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(3)

Prerequisite: Classified standing in graduate program. Philosophical, conceptual, and practical aspects of professional studio art. Analysis and criticism focusing on the original studio production of students enrolled. May be repeated to maximum of 9 units.

- **ART 505 - Research in Art Education**

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(3)

Investigation of both conceptual and procedural aspects of historical, descriptive, and experimental research relevant to practice of art education.

- **ART 506 - Fashion & Textiles: Experimentation in Design**

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(3)

Experimental investigation in fashion and textiles requiring individual expression and innovation in design. May be repeated to a maximum of 9 units. Activity 6 hours.

- **ART 507 - Perspectives on Visual Art, Aesthetics, and Culture**

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(3)

Inquiries into the nature of and relationships among visual art, aesthetics, and culture from various theoretical, philosophical, socio-cultural, and political perspectives.

- **ART 508M - MA/MFA Seminar: Design**

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(3)

Prerequisite: Classified standing in graduate program. Intensive discussion and critical evaluation of individual research and studio production of students enrolled. Aesthetic, theoretical, and technical aspects of professional design and visual communication are examined. May be repeated to a maximum of 9 units.

- **ART 509 - Seminar: Fashion and Textiles**

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(3)

Overview, theories, current issues and research in fashion and textiles.

- **ART 512 - Graduate Photography**

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(3)

Prerequisite: Three upper division photography courses. Intensive study and production work in contemporary photography, current

theories, concepts, and techniques. May be repeated to maximum of 12 units.

- **ART 513M - MFA Seminar: Photography**

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(4)

Prerequisite: Classified graduate standing in MFA program. Philosophical, conceptual, and theoretical aspects of art photography as they relate to contemporary art photography practices. May be repeated to maximum of 8 units.

- **ART 514 - Fashion and Textiles in Cultural Contexts**

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(4)

Prerequisite: ART 302. Interrelationships of fashion and textiles and culture; perspectives, dynamics and global influences.

- **ART 516 - Art and Design in Higher Education**

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(3)

Prerequisite: Classified Standing in MFA program. Theories and methodologies for the instruction of art and design in higher education, organizational models, objectives, and methods of assessment. May be repeated for credit as subject matter changes, to a maximum of 9 units, with adviser approval.

- **ART 517 - Graduate Ceramics**

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(3)

Prerequisite: ART 417. Individual studio work in ceramics stressing advanced competence in technique and concepts. Periodic group presentations and critical analysis. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. May be repeated to maximum of 18 units. Activity 6 hours.

- **ART 522 - Graduate Interactive Design**

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(3)

Prerequisite: Art 422. Design, production and dissemination of advanced computer based interactive inquiries which relate specifically to creative and conceptual goals. Emphasis is on effective communication of ideas and creative uses of technology. May be repeated to a maximum of 9 units.

- **ART 531 - Research Methodologies in Art**

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(4)

Research methodologies and practices of artistic inquiry. Conceptual and technical issues in and requirements related to M.A. and M.F.A. theses, and projects in the Art department.

- **ART 544 - Graduate Painting and Drawing**

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(3)

Prerequisites: Six units of upper division painting and drawing. Studio work in various media, stressing professional competence in techniques and concepts of art. May be repeated to maximum of 18 units. Activity 6 hours.

- **ART 554L - Special Topics in Art**

---

(1-4)

Prerequisite: Instructor consent (specific prerequisite subject to change, depending upon topic of emphasis or content requirements of the course). Selected topics reflecting current issues, problems, and interests in art. May be repeated for credit to maximum of 9 units as subject matter changes.

- **ART 554P - Special Topics in Art**

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(1–4)

Prerequisite: Instructor consent (specific prerequisite subject to change, depending upon topic of emphasis or content requirements of the course). Selected topics reflecting current issues, problems, and interests in art. May be repeated for credit to maximum of 9 units as subject matter changes.

- **ART 574 - Graduate Printmaking**

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(3)

Prerequisite: Six units of ART 424 or 474. Work in selection of printmaking media stressing professional competence in techniques and art concepts. May be repeated to maximum of 9 units. Activity 6 hours.

- **ART 577 - Graduate Problems in Fashion**

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(4)

Prerequisite: Eight units in Fashion and Textiles Option. Individual investigation in fashion design, merchandising, and textiles; advanced work in laboratory and research. May be repeated to 12 units.

- **ART 584 - Graduate Sculpture**

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(3)

Prerequisite: ART 484. Individual studio work in sculpture building upon undergraduate sculpture experiences. Periodic group presentations and critical analysis. May be repeated to maximum of 18 units. Activity 6 hours.

- **ART 594 - Graduate Computer Animation**

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(3)

Prerequisite: Art 494. Advanced study and production of computer animation based on clearly stated creative and conceptual goals. Individual expression and innovation are emphasized. May be repeated to a maximum of 9 units.

- **ART 595 - Directed Field Work in Art**

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(1–4)

Prerequisite: Classified standing in Graduate program. Supervised experience in professional art industry: community sites, museums, publications, and business. May be repeated to maximum of 8 units.

- **ART 595M - MFA Professional Field Work in Art**

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(1–9)

Prerequisite: Classified standing in MFA program. Supervised field work experience in professional art industry: museums, publications, design, and business. May be repeated to maximum of 9 units.

- **ART 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **ART 598 - Graduate Directed Study**

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(1–3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated to maximum of 9 units.

- **ART 598M - MFA Directed Study**

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(1–12)

Prerequisite: Instructor consent to act as sponsor. Independent directed study of advanced topics in professional art fields. Regular conferences with sponsor. May be repeated to maximum of 12 units.

- **ART 599 - Thesis or Project**

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(1–6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 6 units. Graded CR/NC.

- **ART 599M - MFA Project**

---

(1–12)

Prerequisite: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research resulting in MFA project accompanied by a written abstract. May be repeated to maximum of 12 units. Graded CR/NC.

#### Armenian (Undergraduate)

- **ARM 100A - Elementary Armenian**

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(4)

Prerequisite: See Departmental "Limitations on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Armenian. Introduction to the customs, culture, and institutions of the Armenian-speaking people.

- **ARM 100B - Elementary Armenian**

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(4)

Prerequisite: See Departmental "Limitations on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Armenian. Introduction to the customs, culture, and institutions of the Armenian-speaking people.

- **ARM 100C - Elementary Armenian**

---

(4)

Prerequisite: See Departmental "Limitations on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Armenian. Introduction to the customs, culture, and institutions of the Armenian-speaking people.

#### Arts & Letters

- **AL 101 - Introduction to Higher Education: Strategies for Success**

---

(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Does not meet block A3 requirement. Graded ABC/NC.

**Freshmen IHE and Block E**

- **AL 301 - Transition to Cal State LA for Arts & Letters Majors**

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(2)

Introduction to Cal State LA for transfer students in Arts and Letters. Emphasis on resources and skills that Will help students attain degree objectives. NIS account required. Graded ABC/NC.

- **AL 354 - Special Topics in Arts and Letters**

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(1-4)

Prerequisite: Varies with topic. Topics of special interest, as announced in the Schedule of Classes. In depth presentation and analysis of topics significant to Arts and Letters. Graded ABC/NC.

**Asian and Asian-American Studies (Undergraduate)**

- **AAAS 108 - Comparative Ethnic Studies**

(also listed as LAS, PAS, CHS 108)

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(4)

Survey course which examines comparatively the notions of race and ethnicity, the exploitation based on these statuses, and the resulting resistance and multi-ethnic social movements in the U.S. and *elsewhere*.

- **AAAS 140 - Introduction to Globalization, Race, and Place**

(also Listed As: LAS 140 and PAS 140)

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(4)

Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race.

- **AAAS 150 - Asian American History**

(also listed as HIST 150)

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(4)

Survey of the Asian experience in America from 1850 to the present. Emphasis on the historical experience of Chinese, Japanese, Filipinos, Korean, other Asian, and Pacific Islander immigrant groups. Service learning option.

- **AAAS 160 - History of Asia**

(also listed as HIST160)

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(4)

History of Asia with an emphasis on East Asia.

- **AAAS 170 - Understanding Contemporary Asia**




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(4)

Explores population, culture, economy, and political structures of contemporary Asia.



## Course Descriptions

  [Contract All Courses](#) |  [Print this Page](#)

### Asian and Asian-American Studies (Undergraduate)

#### • **AAAS 180 - Chinese Written Symbols in Asian and Asian American Communities**

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(4)

Development of Chinese characters, similarity and dissimilarity in their usage among Asian countries, and their impact on Asian's and Asian American's cultural identities. Cross-listed as ML 180.

#### • **AAAS 200 - Pacific Asian Culture, People, and Society**

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(4)

Introductory survey of the people, history, society, culture, government, and economies of Pacific Asia. Focus on similarities and differences that impact understanding of and among various Asian groups. Service learning option available.

**GE D ; Approved diversity course**

#### • **AAAS 300 - Interdisciplinary Approaches to Asian/Asian American Studies**

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(4)

Prerequisite or corequisite: ENGL 102. This course introduces students to the theories and methods of interdisciplinary research in Asian and Asian American Studies. Course content varies depending on the faculty's expertise and research emphasis.

#### • **AAAS 348 - Class, Race/Ethnicity, and Gender** (also listed as CHS 348, PAS 348 and SOC 348)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of social class, sex/gender, and ethnicity/race as bases of inequality and the processes by which inequalities are maintained or reproduced. Some course sections may require service-learning. Some course sections may be offered online.

**GE Theme H**

#### • **AAAS 350 - Ancient East Asian Literature and the Modern World**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Meanings of "ancient" and "modern" in East Asian literature; use of Western concepts of modernity to challenge Asian traditions; use of ancient East Asian literature to impact Western "modernity."

**GE Theme I**

#### • **AAAS 408 - Comparative Diaspora Studies** (also listed as PAS, CHS, LAS 408)

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(4)

Prerequisite: any lower division course in AAAS, PAS, CHS or LAS. The course is a comparative examination of Diaspora among principally Africans, Asians and Latin Americans emphasizing the conditions of dispersal, the patterns of settlement, and the formations of global tribes.

- **AAAS 415 - Asian American Communities in Southern California**  
(Also listed as ANTH 415)

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(4)

The course examines the Asian American enclaves and communities in Southern California by exploring culture, ethnicity, solidarity, political economy, and resistance in their creation and maintenance of communities. Service learning option available.

- **AAAS 418 - History of Islamic Central Asia**  
(also listed as HIST 418)

---

(4)

History in global context of the region encompassing Afghanistan, Kazakhstan, Kyrgyzstan, Tajikstan, Turkmenstan, and Uzbekistan, from the seventh century to the present, with emphasis on common religious and cultural trends.

- **AAAS 422 - Asian Americans in Science and Literature**  
(also listed as LBS 422)

---

(4)

Prerequisites: ENGL 102, upper division standing. Interdisciplinary exploration of how Asians have been represented, and how Asian Americans have represented themselves, in relation to science and technology.

- **AAAS 449 - Anthropology of Race and Racism**  
(also listed as AN TH 449, CHS 449, and LAS 449)

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(4)

This course examines the anthropological ideas of race, its emergence, and its relationship to the constructions of racisms and racializations in comparative settings and in contemporary situations

- **AAAS 450A - Advanced Seminar in Asian and Asian-American Studies - Research Method**

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(4)

Prerequisites: AAAS 300. A content variable seminar with writing and oral presentation experiences which explore in depth a selected topic in Asian and/or Asian-American cultures and histories in transnational contexts.

- **AAAS 450B - Advanced Seminar in Asian and Asian American Studies- Community Engagement**

---

(4)

Explores Asian Pacific Islander families in the U.S. and addresses issues of domestic violence and sexual assault in API communities through community engagement.

- **AAAS 450C - Advanced Seminar in Asian and Asian-American Studies- Cultural Competency**

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(4)

Explores history, language, culture, religion, art, literature, ethnicity, demography, education system, economy, and political structures of an Asian country or region, as well as its communities in the United States.

- **AAAS 451 - Understanding Korean Culture and Social Organization.**

---

(4)

Focus on enhancing multicultural proficiency through in-depth case study of universals and particulars in Korean culture, history, society, politics, economy, education, literacy and citizenship. Online course.

- **AAAS 452 - Korea-US Comparative Cultures**

---

(4)

Focus on enhancing multicultural proficiency through in-depth comparative study of Korean and American cultures, interpersonal interactions, organizations and institutions. Analyzed through the lens of the other culture. Online course.

- **AAAS 462 - Asian Theatre**  
(also listed as TAD 462)

---

(4)

Explores performance practices in a selected region of Asia. Selected topics include: dramaturgical structure staging, gender conventions, performer training, audience, communal and national identity, social and political contexts. May be repeated to maximum of 8 units for credit as content changes.

- **AAAS 463 - Asian American Theater and Performance**  
(also listed as TAD 463)

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(4)

An exploration of the performance traditions of Asian Americans as understood through their social, political, and historical contexts.

- **AAAS 480 - Asia in the Global World**

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(4)

Explores the rise of Asia and its impact on the global order.

- **AAAS 490K - Internship in Korea**

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(4)

Internship in Korea and Korean American communities, including the internship in TaLK (Teach & Learn in Korea) Scholarship Program of Korea that involves teaching English at Korean local elementary schools. TaLK Scholars can earn credits for these TaLK Scholarship activities up to 8 units for 6-month TaLK Scholars and 12 units for 1-year TaLK Scholars. Required of TaLK scholars.

- **AAAS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Consent of faculty sponsor, approval of proposed project before registration, ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. May be repeated to maximum of 8 units.

#### **Astronomy (Undergraduate)**

- **ASTR 151 - Principles of Astronomy**

---

(3)

Recommended corequisite: ASTR 152. Nonmathematical survey of modern astronomy, primarily for non-majors in science. Properties and evolution of solar system, stars, and the universe. Lecture 3 hours. Together with ASTR 152, satisfies GE Block B2.

**GE B2**

## **ASTR 152 - Principles of Astronomy: Laboratory**

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(1)

Corequisite or prerequisite: ASTR 151. Laboratory experiments, take-home observational assignments, and field trips designed to complement ASTR 151 lecture. Laboratory 3 hours. Together with ASTR 151, satisfies GE Block B2.

**GE B2**

## **• ASTR 160 - Space, Time and the Universe**

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(4)

Current scientific understanding of the origin and evolution of the universe, presented in a non-mathematical form. Evolution of cosmological ideas through times and cultures.

**GE B3**

## **• ASTR 311 - Elements of Modern Astronomy (also listed as PHYS 311)**

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(3)

Prerequisite: PHYS 214. Survey of modern astronomy, designed for students majoring in physical sciences, engineering, or mathematics.

## **• ASTR 360 - Ancient and Modern Views of the Universe**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Lecture 4 hours. Scientific theories of the origins and mechanics of the universe from ancient Mediterranean and Chinese cultures to present day Big Bang Cosmologies and the Inflationary Universe Theory.

**GE Theme I**

## **• ASTR 411 - Introduction to Astrophysics (also listed as PHYS 411)**

---

(3)

Prerequisites: PHYS 306; PHYS 311 recommended. Celestial mechanics, stellar interiors, atmospheres, and evolution; introductory cosmology.

## **• ASTR 488 - Modern Topics in General Relativity (also listed as PHYS 488 )**

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(3)

Prerequisites: PHYS 410AB; 425AB strongly recommended. Introduction to basic ideas of general relativity: physics of spacetime, relativistic stars, gravitational collapse and black holes, gravitational waves, testing of general relativity.

### **Aviation Administration (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

## **• TECH 340 - Airline Operations**

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(4)

Prerequisite: Upper division standing. Operational techniques and current problems confronting airlines: control tower operations, airport lighting, radio and meteorological service, reservations, ticketing, passenger trends, feasibility route studies, fire and crash protection, and air route traffic control centers. Field trips included.

## **• TECH 341 - General Aviation Operations and Administration**

---

(4)

Prerequisite: Upper division standing. Airport administration; organization, personnel, maintenance, zoning, facilities adequacy, financing, planning, operations, revenues and expenses, public relations, evaluation and safety; socioeconomic effect of airports on communities served.

### • **TECH 342 - Airline Administration**

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(4)

Prerequisite: TECH 340 or 341. Airline operation and organization; air carrier familiarization; effect of federal regulations; industrial, financial, and economic decision-making.

### • **TECH 343 - Airport Administration**

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(4)

Prerequisite: TECH 340 or 341. Airport operations: lighting, fuel systems, field marking, field buildings, hangars, communications, maintenance, protection/security, fire fighting, and surrounding community problems.

### • **TECH 344 - Aviation Law**

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(4)

Prerequisite: TECH 340 or 341. Local, state, federal, and international aviation laws and regulations, safety and economic regulations; air legal systems.

### • **TECH 345 - Air Cargo**

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(4)

Prerequisite: TECH 340 or 341. Efficient cargo handling by air mail, air express and air freight; research and utilization, comparison of scheduled and nonscheduled operations and contract or charter operations; flight equipment, stowage, and tie-down; insurance, tariffs, and operations.

### • **TECH 346 - National Airspace System and Air Traffic Control**

---

(4)

Prerequisites: Upper division standing; TECH 340 or 341. U.S. system of air navigation and air traffic control; communications, facilities, airways, controlled and special use airspace, and authorized flight procedures.

### • **TECH 440 - Safety Factors in Aviation**

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(4)

Prerequisite: TECH 342 or 343. Safety related to air traffic control, passenger service, maintenance, and ground/air operations; history, accidents, terminology, liability, worker performance, information sources, and safety program organization.

### • **TECH 441 - Aviation Sales**

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(4)

Prerequisite: TECH 342 or 343. Sales in airline operation and aviation industry; research, demand analysis, advertising and promotion, traffic, and price determination.

### • **TECH 442 - Airport Planning**

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(4)

Prerequisite: TECH 342 or 343. Concepts of airport planning and construction; community surveys related to social, economic, and physical characteristics; political influences and phases of airport construction.

- **TECH 443 - Air Transportation**

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(4)

Prerequisite: TECH 342 or 343. Facilities, state and federal regulations, legal characteristics, problems, and services of U.S. carriers; organizational function of Federal Aviation Agency, Civil Aeronautics Board, and U.S. Bureau of Transportation.

- **TECH 446 - Airport Fiscal Administration**

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(4 units)

Introduction to airport finance and the tools to analyze it. Includes interactive spreadsheet analyses of airport operating budgets, airport development feasibility, and project financial evaluation.

- **TECH 447 - Senior Seminar: Aviation Problems**

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(4)

Prerequisite: TECH 443. Selected topics about current aeronautical administration problems; interaction with aviation executives. Field trips may be required.

- **TECH 448 - Case Studies in Airline Finance**

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(4 units)

Prerequisite ACCT 300. Case studies of airline finances and the tools to analyze them. Includes interactive spreadsheet analysis of airline economic base, financial statements, sources and uses of funds, and financial planning.

#### **Bioinformatics (Undergraduate)**

- **BINF 400 - Bioinformatics and Computational Biology**  
(also listed as CHEM 434)

---

(4)

Prerequisites: Grade of C or higher in BIOL 100A and CS 201; upper division or graduate level standing. Theory and application of software programs that analyze genes and proteins; creation of programs designed to search databases and align sequences.

- **BINF 401 - Machine Learning Applications in Molecular Life Sciences**

---

(2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or MATH 270 or ECON 309 or MATH 474). Introduction to tools that mine data from molecular life science databases. Strategies for parameter selection. Analysis of machine learning programs to create algorithms. Statistical measurements of algorithm accuracy through cross-validation.

- **BINF 402 - Phylogenomics**

---

(2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or MATH 270 or ECON 309 or MATH 474), upper division status and permission of instructor. Fundamentals of phylogenetics and tools for large-scale phylogenomic analyses. Interpretation of gene and species trees, selection of evolutionary models, implementation of phylogenetic analyses, interpretation of support statistics, and hypothesis testing.

- **BINF 403 - Process Estimation and Detection in Cellular Biology**

---

(2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or MATH 270 or ECON 309 or MATH 474). Mathematical methods to model cellular processes. Theory of machine learning stochastic processes, probabilistic automata and hidden Markov models with applications in protein modeling, protein classification, gene searching and gene classification.

- **BINF 450 - Advanced Topics in Bioinformatics and Computational Biology**

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(2)

Prerequisite: BINF402 or BINF403. Review of current advances in bioinformatics and computational biology. Recitation-Laboratory 6 hours.

### **Biology (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 499 and all courses with the suffix N.*

- **BIOL 053A - Health Professions Enrichment**

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(2)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053B, 053C, 053D and 053E for a total of 10 units. Emphasizes key principles in biology important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 053B - Health Professions Enrichment**

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(2)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053C, 053D and 053E for a total of 10 units. Emphasizes key principles in organic chemistry important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC.)

- **BIOL 053C - Health Professions Enrichment**

---

(2)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053D and 053E for a total of 10 units. Emphasizes key principles in physics important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 053D - Health Professions Enrichment**

---

(2)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053C and 053E for a total of 10 units. Emphasizes key principles in general chemistry important for entry to the health professions. Lecture 2 Hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 053E - Health Professions Enrichment**

---

(2)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053C and 053D for a total of 10 units. Emphasizes key principles in written communication important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 100A - Introductory Biology I**

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(5)

Corequisite: MATH 104A. Introduction to the ecology, evolution, and diversity of life, covering all major groups of organisms from a phylogenetic perspective. Lecture 3 hours, Laboratory 6 hours.

- **BIOL 100B - Introductory Biology II**

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(5)

Prerequisites: BIOL 100A and MATH 104A with grades of C or better. MATH 105 recommended. The structure/function of cells including

biological molecules, membrane structure and function, prokaryotes, eukaryotes, viruses, cell respiration and photosynthesis. Overview of genetics including mendelian, molecular, microbial and population. Lecture 3 hours, Laboratory 3 hours, and Recitation 1hour.

### • **BIOL 100C - Introductory Biology III**

---

(5)

Prerequisites: Grades of C or higher in BIOL 100A and 100B. Structure/function of plant and animal systems including growth, transport, nutrition, environmental responses, reproduction and development in plants, and the nervous/endocrine system, nutrition, circulation, excretion, reproduction/development in animals. Lecture 3 hours, Laboratory 6 hours.

### • **BIOL 140 - Science Orientation** (also listed as CHEM 140)

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(2)

Prerequisite: Instructor consent. Exploration of skills essential for success in the sciences; presentations by professional scientists. No credit toward science majors. Graded CR/NC.

### • **BIOL 154 - Selected Topics in Biology**

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(1–4)

Topics of current interest in biology as announced in Schedule of Classes. No credit toward Biology major or minor.

### • **BIOL 155 - Animal Biology**

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(4)

Introductory organismal animal biology for non-majors with an emphasis on scientific methodology and basic biological principles; topics include cells, tissues, organ system structure and function, genetics evolution, diversity, behavior, ecology. Lecture 3 hours, laboratory 3 hours. No credit toward Biology major or minor.

**GE B1**

### • **BIOL 156 - Plant Biology**

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(4)

Structure and function of plants with emphasis on their adaptations to the environment and their importance to humans. Lecture 3 hours, laboratory 3 hours. No credit toward Biology major or minor.

**GE B1**

### • **BIOL 158 - Brain and Behavior**

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(4)

Introduction to neuroscience and multi-level frames of reference that put the brain in context. Cells and molecules, nervous system organization, interactions with other body systems, higher brain functions. Lecture 4 hours. No credit toward Biology major or minor.

**GE B3**

### • **BIOL 165 - Humans and the Biological Environment**

---

(4)

Global effects of human overpopulation and human activities on the biological environment. Emphasis on how wildlife and human health are affected by contemporary forms of ecosystem alteration and pollution. Lecture 4 hours, designed for students not majoring in science. No credit toward Biology major or minor.

**GE B3**

### • **BIOL 180 - Life Science for Elementary Teachers**

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(4)

Corequisite: BIOL 181. Primarily for students preparing for a multiple subject teaching credential, content/concepts of life science presented in the course correlate with the California science standards for the multiple subject credential. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 181 - Life Science Seminar for Elementary Teachers**

---

(2)

Corequisite: BIOL 180. Primarily for students preparing for a multiple subject teaching credential, correlates with content/concepts from BIOL 180 and the California standards for professional teacher preparation programs. Requires field observation.

### • **BIOL 200A - Human Anatomy and Physiology I**

---

(5)

Prerequisite or corequisite: CHEM 151. Structure and function of the cell and tissue; anatomy and physiology of the skeletal, muscular, digestive, and urinary systems. Lecture 3 hours, laboratory 6 hours. No credit toward Biology major or minor.

### • **BIOL 200B - Human Anatomy and Physiology II**

---

(5)

Prerequisite: BIOL 200A. Anatomy and physiology of the cardiovascular, respiratory, nervous, endocrine, and reproductive systems. Lecture 3 hours, laboratory 6 hours. No credit toward Biology major or minor.

### • **BIOL 300 - Biometrics**

---

(4)

Prerequisites: Grade of C or higher in BIOL 100C; MATH 105 for Biology and Microbiology majors and MATH 104B for other majors. Statistical analysis applied to biological problems, with emphasis on sampling, experimental design, chi-square analysis, t-test, analysis of variance, regression analysis, and correlation analysis. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 320 - Writing for Biologists**

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(4)

Prerequisites: BIOL 300, satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Introduction to writing skills and techniques necessary for presentation of biological information; intensive practice in writing abstracts, reports, reviews, and other forms of scientific papers. Lecture 2 hours, activity 6 hours.

### • **BIOL 340 - General Genetics**

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(4)

Prerequisite: BIOL 300. Principles of classical and molecular genetics as demonstrated in plants, animals, and microorganisms; emphasis on mechanisms of inheritance, structure of genetic material, breeding experiments with suitable organisms, analysis and interpretation of data. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 341N - Evolution of Earth and Life through Time** (also listed as GEOL 341)

---

(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Evolution of prehistoric life and geological features of the earth. Catastrophic extinctions of dinosaurs and other life forms. The drifting, rifting, colliding continents. Ice ages, volcanoes, earthquakes, and mountain building (No credit for Biology major or minor).

**GE Theme G**

### • **BIOL 355N - Scientific Perspectives on Global Change** (also listed as CHEM 355N and GEOL 355)

---

(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course in Block B. Natural and human-induced origins of global change; alteration of earth's natural cycles; impacts of climate change and loss of physical and biological resources; achieving a sustainable future. Lecture 4 hours. No credit toward Biology major or minor.

**GE Theme G**

• **BIOL 360 - General Ecology**

---

(4)

Prerequisite: BIOL 300. Relationships of plants and animals to their environment and to each other; ecophysiology, population growth, species interactions, ecological communities, and ecosystems. Lecture 3 hours, laboratory and field work 3 hours.

• **BIOL 380 - Cell Biology**

---

(4)

Prerequisites: BIOL 100C, CHEM 301A. Structure and function of the cell surface, membranes, organelles, and of the cytosol; control of information flow and of metabolism. Lecture 3 hours, laboratory 3 hours.

• **BIOL 384N - Biology of Human Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Age-related changes in human physiology and anatomy at the molecular, cellular, and organismal levels; relationship of late-onset disease to the aging process. No credit toward Biology Major or Minor.

**GE Theme F**

• **BIOL 388N - Sex and Gender**  
(also listed as PSY 388)

---

(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Biological and psychological differences between the sexes; topics include genetics of sexual determination, sexual development and anomalies, hormones in physiology and behavior, measurement of gender, psychological differences in behavior. No credit toward Biology or minor.

**GE Theme C**

• **BIOL 396 - Honors Thesis**

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(1-3)

Prerequisites: Upper division standing, 40 units in the major, ENGL 102 admission to the Biology Honors program. Independent research in culminating in a written thesis, seminar presentation, and oral defense. Must be repeated until 5 units have been completed, after which no additional units may be taken. Graded CR/NC.

• **BIOL 398 - Cooperative Education**  
(See UNIV 398)

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(1-4)

\*Students subject to earlier catalogs satisfy this prerequisite with ENGL 101 or 190. Cooperative Education

• **BIOL 408 - Experimental Design and Advanced Biometry**

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(4)

Prerequisite: BIOL 300. Experimental design in statistical procedures, advanced topics in analysis of variance, linear and nonlinear regression analysis, covariance; introduction to multivariate techniques used in biological research. Lecture 3 hours, laboratory 3 hours.

- **BIOL 412 - Human Genetics**

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(4)

Prerequisite: BIOL 340. Overview of the latest developments in human genetics from the discovery of human disease genes to interpretation of the latest Human Genome Project data. Discussion of major human genetic disorders.

- **BIOL 413 - Molecular Diagnostics**

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(4)

Prerequisites: BIOL 380 or MICR 401 or CHEM 431A and CHEM 431C (may be taken concurrently). Biological and technical aspects of molecular approaches to diagnosis of disease. Recommended for individuals considering careers in either clinical or research applications of biotechnology. Lecture 2 hours, laboratory 6 hours.

- **BIOL 415 - Population Genetics**

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(4)

Prerequisite: BIOL 340. Forces that shape the genetic structure of populations; random genetic drift; mutation; natural selection; inbreeding; assortative mating; molecular evolution; quantitative genetics; ecological genetics. Lecture 3 hours, laboratory 3 hours.

- **BIOL 416 - Molecular Genetics**

---

(4)

Prerequisites: BIOL 340, CHEM 301A. The structure and function of genes and genomes. Topics include the assembly and analysis of genomes, the regulation of genome expression, replication and repair.

- **BIOL 417 - Gene Manipulation**

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(4)

Prerequisites: BIOL 340 or MICR 340; BIOL 380 or CHEM 431AB and 432A. Genetic engineering and its application in molecular biology and biotechnology.

- **BIOL 418 - Evolution**

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(4)

Prerequisite: BIOL 340. Genetic and ecological bases of evolutionary changes in animals and plants; microevolution, speciation, and macroevolution.

- **BIOL 420 - Global Change**

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(4)

Prerequisites: BIOL 300, 320, 360; CHEM 103. Considers major transformations in the Earth's interlinked physical and biological environments, the causes of these changes (both anthropogenic and natural), and their likely consequence for the Earth's biological systems. Lecture 4 hrs, Laboratory 0 hrs.

- **BIOL 422 - Vertebrate Structure and Function**

---

(5)

Prerequisite: BIOL 100C with grade of C or higher. Evolution of vertebrate structure and functional morphology; evolutionary adaptations of vertebrates presented in a phylogenetic text. Lecture 3 hours, laboratory 6 hours.

- **BIOL 424 - General Embryology**

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(4)

Prerequisites: Grade of C or higher in BIOL 100C; CHEM 301C. Molecular biology of genetic programming, cellular events of early

embryogenesis, mechanisms of differentiation, and elements of organogenesis. Lecture 2 hours, laboratory 6 hours.

### • **BIOL 425 - Plant Anatomy**

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(4)

Prerequisite: Grade of C or higher in BIOL 100C. Microscopic structure of vascular plants with emphasis on organization and functioning of meristems; structure, function, and differentiation of cells and tissues; development and comparative anatomy of stem, leaf, and root. Lecture 2 hours, laboratory 6 hours.

### • **BIOL 429 - Animal Histology**

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(5)

Prerequisite: Grade of C or higher in BIOL 100C. Basic structural, chemical, and physiological aspects of tissues, recent advances in histological technology; traditional microscopic study of tissues and organs, primarily mammalian. Lecture 3 hours, laboratory 6 hours.

### • **BIOL 430 - Plant Physiology I**

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(5)

Prerequisites: Grade of C or higher in BIOL 100C; CHEM 103. Growth and development, growth regulation, plant-water relations, mineral nutrition, photosynthesis and respiration. Lecture 3 hours, laboratory 6 hours.

### • **BIOL 431 - Plant Physiology II**

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(4)

Prerequisite: BIOL 430. Ecological physiology of plants: physiological adaptations to stress, seasonal environmental changes, aquatic and various terrestrial habitats. Lecture 4 hours.

### • **BIOL 432 - Fundamentals of Toxicology**

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(4)

Prerequisites: BIOL 380, CHEM 301C, 302B. A survey of important drugs and environmental toxicants; absorption, distribution, metabolism, and excretion of drugs and toxic compounds; mechanisms of toxic action; human and ecological risk assessment. Lecture 3 hrs, Laboratory 3 hrs.

### • **BIOL 433 - Animal Physiology I**

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(4)

Prerequisite: BIOL 380. Physiological phenomena at the organismic level. Muscular, nervous, endocrine, and reproductive systems; laboratory techniques and principles. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 434 - Animal Physiology II**

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(4)

Prerequisite: BIOL 380. Physiological phenomena at organismic level; digestive, respiratory, excretory, and circulatory systems. Laboratory techniques and principles. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 435 - Neurobiology: Neuroanatomy**

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(4)

Prerequisite: BIOL 380. Gross and Microscopic structure of the mammalian nervous system, organizational aspects, classical lesions and deficits.

## **BIOL 436 - Neurobiology: Neurophysiology**

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(4)

Prerequisite: BIOL 380. Basic cellular physiology of the vertebrate nervous system.

## **• BIOL 437 - Advanced Cell Physiology**

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(4)

Prerequisite: BIOL 380. A topical course on cellular phenomena such as information flow, bioenergetics, control mechanisms, motility phenomena, and molecular behavior of reactive surfaces. Lecture 3 hours, laboratory 3 hours.

## **• BIOL 439 - Endocrinology**

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(4 units)

Prerequisite: BIOL 380. Anatomy, physiology, biochemistry, and molecular biology of the endocrine system. Includes in depth consideration of the mechanisms regulating hormone production, synthesis, and action.

## **• BIOL 440 - Taxonomy of Angiosperms**

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(4)

Prerequisite: Grade of C or higher in BIOL 100C. Identification, classification, and nomenclature of angiosperms; speciation and population structure. Lecture 2 hours, laboratory or field work 6 hours; weekend field trips may be required.

## **• BIOL 444 - Drug Discovery and Development**

(also listed as CHEM 444)

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(4)

Prerequisite: CHEM 301C and either BIOL 380 or CHEM 435 or CHEM 431A. An overview of the process of drug discovery and development, with an emphasis on academic and industrial research methodology.

## **• BIOL 445 - Bioscience Companies: From Concept to Market**

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(4)

Prerequisites: Senior level standing or higher in any major and consent of instructor. Describes moving an idea through basic and applied research into pharmaceutical, biologics, and medical device industries. Emphasizes interdependence of the sciences, engineering, business and management, intellectual property, and regulatory affairs.




## **• BIOL 448 - Molecular Biology of the Brain**

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(4)

Prerequisite: BIOL 380. A study of the molecules of the nervous system and their roles in neural function. Lecture 4 hrs.

## Course Descriptions

  [Contract All Courses](#) |  [Print this Page](#)

### Biology (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 499 and all courses with the suffix N.

#### • **BIOL 449 - Neurobiology of Development**

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(4)

Prerequisite: BIOL 380. To understand current concepts of and experimental approaches to the development of the nervous system; as well as the maintenance and remodeling of neuronal connections. Lecture 4 hrs.

#### • **BIOL 451- Ornithology**

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(4)

Prerequisite: Grade of C or higher in BIOL 100C. Taxonomy, distribution, physiology, life history, ecology, and behavior of birds. Lecture 2 hours, laboratory and field work 6 hours.

#### • **BIOL 454L - Special Topics in Biology**

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(1–4)

Prerequisites: Upper division standing, others as needed for specific topic. Topics of current interest in biology as announced in Schedule of Classes. May be repeated to maximum of 16 units.

#### • **BIOL 454P - Special Topics in Biology**

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(1–4)

Prerequisites: Upper division standing, others as needed for specific topic. Topics of current interest in biology as announced in Schedule of Classes. May be repeated to maximum of 16 units.

#### • **BIOL 455 - Mammalogy**

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(4)

Prerequisite: Grade of C or higher in BIOL 100C. Taxonomy, distribution, ecology, and physiology of mammals. Lecture 2 hours, laboratory and field work 6 hours.

#### • **BIOL 457 - Marine Invertebrate Zoology**

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(5)

Prerequisite: Grade of C or higher in BIOL 100C. Taxonomy, phylogeny, and natural history of major marine invertebrates taxa; laboratory work emphasizes species from local fauna and those of economic importance. Lecture 3 hours, laboratory 6 hours.

#### • **BIOL 462 - Plant Ecology**

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(4)

Prerequisite: BIOL 360. Plants and plant communities in relation to physical and biotic environments, ecophysiology, demography, species interactions, community structure, and ecosystem function. Lecture 3 hours, laboratory and/or field work 3 hours.

### • **BIOL 465 - Issues in Environmental Biology**

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(4)

Prerequisites: BIOL 100C, CHEM 103. A review of crucial issues in environmental biology.

### • **BIOL 470 - Conservation Biology**

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(4)

Prerequisite: BIOL 360. Biological diversity of animals and plants; genetics and ecology of small populations; protection and management of threatened species and communities. Lecture 3 hours, laboratory or field work 3 hours.

### • **BIOL 472 - Marine Ecology**

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(4)

Prerequisite: BIOL 360. Population and community ecology of major habitats in marine environment; lecture emphasizes contemporary theories in marine ecology; laboratory offers practical field experience. Lecture 3 hours, laboratory or field work 3 hours.

### • **BIOL 473 - Molecular Ecology**

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(4)

Prerequisite: BIOL 360. Applications of molecular tools to the study of ecology and evolution. Includes consideration of techniques, analytical methods, and case studies in conservation genetics, population genetics, and environmental science.

### • **BIOL 476 - Physiological Animal Ecology**

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(4)

Prerequisite: BIOL 380. Physiological responses of animals in various environments; emphasis on energetics and thermal relationships of animals. Lecture 3 hours, laboratory 3 hours.

### • **BIOL 480 - Modeling Biological Systems (also listed as MATH 480)**

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(4)

Prerequisites: minimum grade of C in Math 205 or in both Math 215 and Math 255. Modeling techniques applied to biological systems. Topics include nonlinear dynamics, stochastic models, compartmental and spatial models, parameter estimation, methods of model evaluation, modeling complexities.

### • **BIOL 481 - Animal Cell Culture Theory and Technique**

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(4)

Prerequisites: BIOL 380 or MICR 300 or CHEM 431A or CHEM 435. Topics include extracellular matrix, signaling, differentiation, primary cells, stem cells and immortalized cells as applied to in vitro cultures. Basic and selected advanced cell culture techniques. Lecture 2 hours, laboratory 6 hours.

### • **BIOL 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: Consent of full-time faculty member in consultation with department chair, grade point average of 2.5 or higher. Project must be approved before registration. Student must have ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. Graded CR/NC.

- **CHIN 454L - Special Topics in Chinese**

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(1–4)

Current topics of special interest to students in Chinese as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- **MATH 480 - Modeling Biological Systems**

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(also listed as MATH 480)

(4)

Prerequisites: minimum grade of C in Math 205 or in both Math 215 and Math 255. Modeling techniques applied to biological systems. Topics include nonlinear dynamics, stochastic models, compartmental and spatial models, parameter estimation, methods of model evaluation, modeling complexities.

### **Biology (Graduate)**

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 499 and all courses with the suffix N.

Classified graduate standing is required for admission to all 500 level courses.

- **BIOL 500 - Graduate Orientation**

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(1)

Requirements and expectations of the M.S. degree program in Biology, introduction to good practices of laboratory science and research, future career paths. Must be taken during the first quarter of the degree program. Graded CR /NC.

- **BIOL 510 - Seminar: Biology**

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(1)

Attendance at regular departmental seminar program: participation in seminar training program with course instructor; presentation of a departmental seminar. Graded CR/NC.

- **BIOL 517 - Seminar: Gene Manipulation**

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(3)

Prerequisites: BIOL 417; instructor consent. Critical evaluation and communication of recent literature in molecular biology. May be repeated to maximum of 6 units.

- **BIOL 518 - Biotechnology Skills Laboratory I**

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(5)

Prerequisite: MICR 430 or CHEM 431 ABC or instructor consent. A project team based course that covers various stages of generic drug discovery process.

- **BIOL 519 - Genetic Engineering Laboratory**

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(8)

Prerequisites: BIOL 417; BIOL 380; CHEM 431ABC; instructor consent. Introduction to basic techniques. Lecture 2 hours, laboratory 18 hours.

- **BIOL 535 - Seminar: Biology of Human Aging**

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(4)

Prerequisites: BIOL 380 for Biology graduate students; BIOL 384N for students in the Graduate Certificate Program in Applied Gerontology.



Advanced study of selected topics related to the anatomical, biochemical and physiological changes that occur during the aging process. May be repeated by Biology graduate students to a maximum of 8 units.

• **BIOL 540 - Seminar: Data Analysis for the Biological Sciences (3)**

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(3)

Prerequisites: Consent of instructor. Advanced study of selected topics in methods of data analysis. May be repeated once for a maximum of 6 units.

• **BIOL 541 - Seminar: Hot Topics**

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(3)

Advanced study of the latest ground breaking discoveries in the broader field of biological science. May be repeated once for a maximum of 6 units.

• **BIOL 542 - Seminar: Organismal Biology**

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(3)

Advanced study of selected topics in the fields of organismal biology and physiology. May be repeated once for a maximum of 6 units.

• **BIOL 543 - Seminar: Ecology - Environmental Biology**

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(3)

Advanced study of selected topics in the fields of ecology and environmental biology. May be repeated once for a maximum of 6 units.

• **BIOL 544 - Seminar: Microbiology - Immunology**

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(3)

Advanced study of selected topics in the fields of microbiology and immunology. May be repeated once for a maximum of 6 units.

• **BIOL 545 - Seminar: Genetics Evolution**

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(3)

Advanced study of selected topics in the fields of genetics and evolution. May be repeated once for a maximum of 6 units.

• **BIOL 546 - Seminar: Cell, Molecular, and Developmental Biology**

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(3)

Advanced study of selected topics in the fields of cell, molecular, and developmental biology. May be repeated once for a maximum of 6 units.

• **BIOL 560 - Workshop in Environmental Science**

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(4)

Prerequisite: BIOL 360. Advanced studies in ecological relationships of plants and animals; hypothesis testing in theory and practice; student-led class, field and/or laboratory research projects involving data gathering, analysis and synthesis. May be repeated once for credit. Lecture 2 hours, laboratory/field work 6 hours.

• **BIOL 561 - Seminar: Professional Development in Environmental Science**

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(4)

A survey of techniques and conventions for writing scientific manuscripts, preparation of a prospectus, grantsmanship, presentation, and peer review. Seminar 2 hours, laboratory 6 hours.

## • **BIOL 594 - Graduate Thesis Prospectus**

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(1)

Prerequisites: Admission to the M.S. program in Biological Sciences, consent of research advisor, establishment of thesis committee. Directed literature research and writing culminating in thesis research prospectus. Graded CR/NC. Must be taken no later than the third quarter after joining a research laboratory and before enrolling in BIOL 597 and BIOL 599. May not be repeated

## • **BIOL 594 - Graduate Thesis Prospectus**

---

(1)

Prerequisites: Admission to the M.S. program in Biological Sciences, consent of research advisor, establishment of thesis committee. Directed literature research and writing culminating in thesis research prospectus. Must be taken no later than the third quarter after joining a research laboratory and before enrolling in BIOL 597 and BIOL 599. May not be repeated. Graded CR/NC.

## • **BIOL 595 - Individual Research in Gene Manipulation**

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(4)

Prerequisites: BIOL 517, 519. Laboratory research project conducted in approved on- or off-campus laboratory. Graded CR/NC.

## • **BIOL 597 - Graduate Research**

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(1–2)

Prerequisites: BIOL 594, approval of program committee. Conducting research toward master's degree. Must be repeated until 6 units have been completed, after which no additional units may be taken. Graded CR/NC.

## • **BIOL 598 - Graduate Directed Study**

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(1 – 4)

Prerequisites: Consent of instructor to act as sponsor and approval of graduate program by department. Directed study of advanced topics in the biological sciences and introduction to laboratory or field research techniques. Assigned readings, conferences, lectures, seminars, and research. Graded CR/NC. May be repeated once for credit. Units may not be used toward a M.S. degree in Biology.

## • **BIOL 599 - Thesis**

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(1–3)

Prerequisites: BIOL 594, advancement to candidacy, instructor consent to act as sponsor. Independent research culminating in a written thesis, Seminar presentation, and oral defense must be repeated until 9 units have been completed, after which no additional units may be taken. Graded CR/NC.

### **Chemistry (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser*

#### **Chemistry, M.S. (Thesis option):**

CHEM 401, 402, 403, 412AB, 418\*\*, 462\*\*, 499

#### **Chemistry, M.S. (Comprehensive examination option):**

CHEM 401, 402, 403, 412AB, 418\*\*, 499

#### **Chemistry, M.S. (Biochemistry option):**

CHEM 401, 431ABC, 432AB, 499

*\*\*Student may petition to waive the rule regarding this course.*

## • **CHEM 101† - General Chemistry I**

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(5)

Prerequisites: High school chemistry and physics; two years of high school algebra; satisfactory performance on chemistry diagnostic examination given during registration period. Physical concepts, stoichiometry, structure of atom, periodic table, chemical bonding. Lecture 3 hours, recitation 1 hour, laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

\*C-ID CHEM 110 and CHEM 120S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • CHEM 102† - General Chemistry II

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(5)

Prerequisite: CHEM 101. Structure of molecules, states of matter, acids and bases, equilibrium, oxidation-reduction, electrochemistry, coordination compounds. Lecture 3 hours, recitation 1 hour, laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

\*C-ID CHEM 110 and CHEM 120S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • CHEM 103† - General Chemistry III

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(5)

Prerequisite: CHEM 102. Introduction to science of thermodynamics and its applications in chemistry, chemical kinetics, spectroscopy and special topics in general chemistry. Lecture 3 hours, recitation 1 hour, laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

\*C-ID CHEM CHEM 120S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • CHEM 140 - Science Orientation (also listed as BIOL 140)

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(2)

Prerequisite: Instructor consent. Exploration of skills essential for success in the sciences; presentations by professional scientists. No credit toward science major or minor. Graded CR/NC.

## • CHEM 151† - Fundamentals of Chemistry I

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(5)

Prerequisites: One year of high school algebra, satisfactory performance on mathematics placement examination given during registration period. Introductory course in fundamental laws and theories of general chemistry. Lecture 3 hours, recitation 1 hour, laboratory 3 hours. No credit toward Chemistry or Physics major.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of

Classes.

• **CHEM 152† - Fundamentals of Chemistry II (Organic)**

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(5)

Prerequisite: CHEM 151. Introduction to organic chemistry. Lecture 3 hours, recitation 1 hour, laboratory 3 hours. No credit toward Chemistry or Physics major.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

• **CHEM 154L† - Selected Topics in Chemistry**

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(1–4)

Topics of current interest as announced in Schedule of Classes. No credit toward Chemistry or Biochemistry major.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

• **CHEM 154P† - Selected Topics in Chemistry**

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(1–4)

Topics of current interest as announced in Schedule of Classes. No credit toward Chemistry or Biochemistry major.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

• **CHEM 155 - Introductory Chemistry**

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(4)

Prerequisite: One year of high school chemistry. CHEM 155 presents fundamentals of chemistry and quantitative thinking. Topics include the molecular nature of matter, scientific method, measurement, stoichiometry and gas laws. Lecture 2 hours, recitation, 1 hour, activity 2 hours. Graded A,B,C/NC.

• **CHEM 158† - Molecules Matter**

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(4)

An Introductory course emphasizing the importance of chemistry to everyday life including the environment, energy, food and materials. Lecture 3 hours, Laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the schedule of classes

**GE B2**

• **CHEM 159† - The Chemistry of Everyday Things Laboratory**

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(1)

Corequisite: CHEM 158. An Introductory chemistry laboratory course emphasizing the chemistry of familiar materials.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

**GE B2**

• **CHEM 196 - Honors Proseminar**

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(1)

Prerequisite: Acceptance into department honors program. Study of recent developments in chemistry and biochemistry. May be repeated to maximum of 6 units; only 1 unit may apply on major requirements. Graded CR/NC.

## **CHEM 201† - Quantitative Analysis**

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(5)

Prerequisite: CHEM 103. Principles and techniques of analytical chemistry, including stoichiometry, equilibrium (pH and redox), electrochemistry, spectroscopy, and separations. Lecture 3 hours, laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

## **• CHEM 254L - Special Topics in Chemistry**

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(1–4)

Prerequisites: As needed for specific topic. Current topics of interest in chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

## **• CHEM 254P - Special Topics in Chemistry**

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(1–4)

Prerequisites: As needed for specific topic. Current topics of interest in chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

## **• CHEM 280 - Introduction to Biomolecules**

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(3)

Prerequisites: BIOL 100B and CHEM 102 or equivalent. Introduction to the chemistry of biological molecules; building blocks to macromolecules and supramolecular structures; protein function in metabolism, membrane transport, cell structure; nucleic acid structure and function; strategies of metabolism. Lecture 3 hours.

## **• CHEM 291A - Organic Chemistry**

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(3)

Prerequisite: CHEM 103 or 1 year of general chemistry. Properties and reactions of aliphatic and aromatic compounds; emphasis on fundamental principles and reaction mechanisms.

## **• CHEM 291B - Organic Chemistry**

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(3)

Prerequisite: CHEM 291A. Properties and reactions of aliphatic and aromatic compounds; emphasis on fundamental principles and reaction mechanisms.

## **• CHEM 292A† - Organic Chemistry Laboratory**

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(2)

Prerequisite: CHEM 201 and CHEM 291A. Corequisite: CHEM 291B. Fundamentals of organic laboratory analysis, with emphasis on spectroscopic methods. Recitation-laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

## **• CHEM 292B† - Organic Chemistry Laboratory**

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(2)

Prerequisite: CHEM 292A and CHEM 291B. Corequisite: CHEM 301. Fundamental laboratory techniques of organic chemistry and organic synthesis. Recitation-laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- **CHEM 301 - Organic Chemistry**

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(3)

Prerequisite: CHEM 291B. Properties and reactions of aliphatic and aromatic compounds; emphasis on fundamental principles and reaction mechanisms.

- **CHEM 316 - Scientific Glass Blowing**

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(2)

Introductory course in glass blowing, including hands-on fabrication and repair of apparatus, theory and science of glass, and principles of laboratory techniques. Credit allowed for the B.A. chemistry program only.

- **CHEM 318 - Introduction to Inorganic Chemistry**

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(3)

Prerequisite: CHEM 103 or one year of general chemistry. Introduction to the study of the elements; atomic structure, bonding, ionic solids, solutions, and nonmetals.

- **CHEM 327† - Advanced Synthetic Methods**

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(2)

Prerequisites: CHEM 301, 292B, 318. Application of advanced synthetic methods to the synthesis of selected organic, organometallic, and inorganic molecules. Recitation-laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- **CHEM 353† - Nutritional Aspects of Biochemistry**

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(5)

Prerequisite: CHEM 152. Introduction to biochemistry with particular emphasis on nutrition and its effect on metabolism. Lecture 3 hours, laboratory 3 hours, recitation 1 hour.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes..

- **CHEM 354L - Special Topics in Chemistry**

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(1–5)

Prerequisites: As needed for specific topic. Current topics of special interest in chemistry and related disciplines as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **CHEM 354P - Special Topics in Chemistry**

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(1–5)

Prerequisites: As needed for specific topic. Current topics of special interest in chemistry and related disciplines as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **CHEM 355N - Scientific Perspectives on Global Change**  
(also listed as BIOL 355N and GEOL 355)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Natural and Human-Induced origins of global change; alteration of earth's natural cycles; impacts of climate change and loss of physical and biological resources; achieving a sustainable future. Lecture 4 hours.

- **CHEM 360 - Writing for Chemists**

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(4)

Prerequisites: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR); CHEM 291B or consent of instructor. Extensive practice in writing abstracts, summaries, reports, resumes, and reviews; presentation of oral reports and posters; literature searching; and ethics in scientific research.

- **CHEM 380N - Ancient and Modern Science**  
(also listed as PHIL 380 and HIST 380)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Systematic analysis of ancient scientific thought as science and its relationship to modern science.

**GE Theme I**

- **CHEM 396 - Honors Studies in Chemistry**

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(1–5)

Prerequisites: Participation in Chemistry Honors Program, CHEM 301ABC, consent of an instructor to serve as research adviser, and approval of department honors adviser. Independent research in chemistry and biochemistry. Regular consultation with research adviser; written thesis required. Students must enroll for total of 5 units before submitting thesis and receiving grade.

- **CHEM 401 - Physical Chemistry I**

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(4)

Prerequisites: CHEM 103 or equivalent; MATH 208; PHYS 213. Kinetic theory of gases, thermodynamics, and chemical statistics.

- **CHEM 402 - Physical Chemistry II**

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(4)

Prerequisite: CHEM 401. Thermodynamics of solutions of nonelectrolytes and electrolytes, phase equilibria, chemical kinetics, surface chemistry, and macromolecules.

- **CHEM 403 - Physical Chemistry III**

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(4)

Prerequisites: MATH 215 or 401; CHEM 103 or one year of general chemistry; PHYS 214 recommended (may be taken concurrently). Molecular structure and spectroscopy. Fundamentals of quantum chemistry; applications to the chemical bond, spectroscopy, and the solid state.

- **CHEM 411 - Fundamentals of Physical Chemistry**

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(4)

Prerequisites: CHEM 201; MATH 208; PHYS 103 or 203. Survey of physical chemistry including thermodynamics, kinetics, quantum chemistry, and spectroscopy. No credit toward B.S. degree in Chemistry or Biochemistry; no credit if taken after successful completion of CHEM 401.

- **CHEM 412A† - Physical Chemistry Laboratory**

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(2)

Prerequisite: CHEM 401 or 403. Experiments to illustrate principles and techniques of various subjects of physical chemistry. Lecture 1 hour, laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes..

• **CHEM 412B† - Physical Chemistry Laboratory**

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(2)

Prerequisite: CHEM 401 or 403. Experiments to illustrate principles and techniques of various subjects of physical chemistry. Lecture 1 hour, laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes..

• **CHEM 415 - Introduction to Atmospheric Chemistry**

---

(4)

Prerequisites: CHEM 201; MATH 206; PHYS 103 or 203. Investigation of current topics in atmospheric chemistry using the fundamental principles of physical and analytical chemistry.

• **CHEM 418 - Inorganic Chemistry**

---

(3)

Prerequisites: CHEM 318. Selected topics in inorganic chemistry, including physical inorganic chemistry, coordination chemistry, and inorganic polymers.

• **CHEM 420 - Advanced Organic Chemistry I**

---

(4)

Prerequisite: CHEM 301. Theoretical aspects of organic chemistry emphasizing reaction mechanisms.

• **CHEM 425 - Polymer Chemistry**

---

(4)

Prerequisites: CHEM 301; MATH 209. Suggested corequisite: CHEM 401. Preparation, mechanisms, and properties of synthetic macromolecules; step and chain polymerization, copolymerization, kinetics, morphology and physical characterization of polymers.

• **CHEM 431A - Biochemistry**

---

(3)

Prerequisites: CHEM 301; Physics majors in the Biophysics option admitted by special permission. Lectures on structure, function, and chemistry of carbohydrates, proteins, lipids, and nucleic acids in animals, plants, and microorganisms.

• **CHEM 431B - Biochemistry**

---

(3)

Prerequisite: CHEM 431A. Physics majors in the Biophysics option admitted by special permission. Lectures on enzyme kinetics and the mechanism of enzyme action; metabolism of carbohydrates, fatty acids, lipids and amino acids; photosynthetic metabolism and assimilation of inorganic nutrients; and regulation of these processes.

• **CHEM 431C - Biochemistry**

---

(3)

Prerequisites: CHEM 431B, Physics majors in the Biophysics option admitted by special permission. Lectures on amino acid and nucleotide metabolism; enzymology and mechanism of DNA replication and DNA repair; transcription machinery; RNA structure and processing; protein synthesis and processing; and regulation of these processes.

• **CHEM 432A† - Biochemistry Laboratory**

---

(2)



Prerequisites: CHEM 292B and 431A. Recitation and laboratory experiments designed to illustrate chemical behavior of substances of biochemical importance. Recitation-laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

### • **CHEM 432B† - Biochemistry Laboratory**

---

(2)

Prerequisites: CHEM 431A and CHEM 432A. Recitation and laboratory experiments designed to illustrate chemical behavior of substances of biochemical importance. Recitation-laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

### • **CHEM 434 - Bioinformatics and Computational Biology (4)** (also listed as BINF 400)

---

(4)

Prerequisites: Grade of C or higher in BIOL 100A and CS 201; upper division or graduate level standing. Theory and application of software programs that analyze genes and proteins; creation of programs designed to search databases and align sequences.

### • **CHEM 435 - Introduction to Biochemistry**

---

(4)

Prerequisite: CHEM 301C or one year of organic chemistry. No credit if taken after CHEM 431A. Introduction to principles of biochemistry.

### • **CHEM 438 - Bioinorganic and Bioorganic Chemistry**

---

(4)

Prerequisite: CHEM 431A or 435. Chemical approaches to the study of biological processes with an emphasis on the tools and methods of inorganic and organic chemistry.

### • **CHEM 444 - Drug Discovery and Development** (also listed as BIOL 444)

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(4)

Prerequisite: CHEM 301 and either BIOL 380 or CHEM 435 or CHEM 431A. An overview of the process of drug discovery and development, with an emphasis on academic and industrial research methodology.

### • **CHEM 450 - Biomedical Seminars and Presentations**

---

(1)

Development of skills as critical listeners and presenters of biomedical science seminars and poster presentations. Graded CR/NC.

### • **CHEM 454L - Special Topics in Advanced Chemistry**

---

(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest in advanced chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

### • **CHEM 454P - Special Topics in Advanced Chemistry**

---

(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest in advanced chemistry and related disciplines, as announced in

Schedule of Classes. May be repeated to maximum of 8 units.

### • **CHEM 462† - Instrumental Analysis**

---

(6)

Prerequisites: CHEM 201 and CHEM 402. Theories, applications, and recent technological developments of chemical instrumentation with emphasis on electrochemical, spectral, chromatographic, and magnetic resonance methods. Lecture 3 hours, laboratory 9 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

### • **CHEM 463† - Biomedical Microanalysis**

---

(4)

Prerequisite: CHEM 431B or 435. Theory and practice of instrumental methods for analysis of substances and processes of biomedical importance. Lecture 3 hours, laboratory 3 hours. No credit toward B.S. degree in Chemistry or Biochemistry.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

### • **CHEM 467 - Instrumental Methods for Environmental Analysis**

---

(4)

Prerequisites: CHEM 201, MATH 206 and PHYS 103. Investigation of fundamental aspects of environmental analysis including sampling procedures and instrumentation using modern analytical techniques. Instrumental techniques include chromatography, optical spectroscopy, atomic analysis, electrochemical methods, and mass spectrometry. No credit toward B.S. degree in Chemistry

### • **CHEM 480 - History of Chemistry**

---

(4)

Prerequisites: CHEM 103, 301. Development of chemical knowledge from chemical arts of antiquity through alchemy to twentieth century, emphasizing contributions to fundamental theory by Lavoisier, Dalton, Kekule, Van't Hoff, and Rutherford.

### • **CHEM 498 - Cooperative Education**

---

(See UNIV 498)

(2)

Cooperative Education

### • **CHEM 499 - Undergraduate Directed Study**

---

(1–5)

Prerequisites: 2.5 grade point average in chemistry courses or one advanced laboratory course, consent of an instructor to act as sponsor, ability to assume responsibility for independent work and to prepare written and oral reports. Independent research project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 9 units.

### **Chemistry (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500-level courses.*

### • **CHEM 500 - Presentation in the Chemical and Biochemical Sciences**

---

(2)

A student presentation and laboratory observation class designed to prepare chemistry and biochemistry graduate students to deliver presentations and/or experimental demonstrations for both research seminars and undergraduate laboratory classrooms.

- **CHEM 501 - Quantum Chemistry**

---

(4)

Prerequisites: CHEM 402, 403. Quantum chemistry, including discussion of molecular orbital and valence bond theories and their applications to chemistry.

- **CHEM 504 - Advanced Inorganic Chemistry**




---

(4)

Prerequisite: CHEM 418. Selected topics on structure and mechanism in inorganic chemistry; discussion of modern theories applied to inorganic chemistry.




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## Course Descriptions

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### Chemistry (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

Classified graduate standing is required for admission to all 500-level courses.

#### • CHEM 505 - Special Topics in Graduate Chemistry

---

(4)

Prerequisite: Instructor consent. Specialized topics in chemistry given at an advanced level. May be repeated once for credit.

#### • CHEM 506 - Biochemistry of Plasma Lipoproteins and Atherosclerosis

---

(4)

Prerequisites: CHEM 431ABC and CHEM 432AB or equivalent, Graduate student standing. Review of scientific literature on plasma lipoprotein metabolism and development of atherosclerosis. Detailed analysis of dietary, genetic, and hormonal factors that regulate atherogenic and antiatherogenic lipoprotein concentrations in blood.

#### • CHEM 507 - Protein Structure

---

(4)

Prerequisites: CHEM 431ABC and CHEM 432AB or equivalent, Graduate student standing. Analysis of structural classes of proteins and factors that determine native structure, stability and biological function. Tools for analysis, comparison and prediction of protein structure. Recent advances in research literature.

#### • CHEM 508 - Transcriptional Control of Gene Expression

---

(4)

Prerequisites: CHEM 431ABC and CHEM 432AB or equivalent, Graduate student standing. Mechanisms of gene expression control at the transcriptional level using the original research literature. Modern molecular techniques demonstrating the activation and repression of eukaryotic genes via protein-DNA and other interactions.

#### • CHEM 509 - Signal Transduction

---

(4)

Prerequisites: CHEM 431ABC and CHEM 432AB or equivalent, Graduate student standing. Review of molecular signal transduction and the importance of post-translational modifications as a mechanism to transmit information to the cell.

#### • CHEM 523 - Synthetic Organic Chemistry: Analysis, Design, and Methodology

---

(4)

Analysis of target molecules, rational design of strategies, and methodologies for the preparation of organic molecules. Emphasis on analysis of target molecules from the recent organic chemistry literature.

- **CHEM 580 - Graduate Seminar: Chemistry**

---

(1)

Attendance at regular departmental seminar program; participation in seminar training program with course instructor; presentation of a satisfactory departmental seminar. May be repeated to maximum of 3 units.

- **CHEM 590 - Advanced Laboratory**

---

(1–2)

Prerequisites: CHEM 302B; 412B or 432B. Introduction to advanced laboratory techniques involving individual student projects. May be repeated four times to maximum of 6 units; maximum of 4 units may be applied to M.S. degree. Combined units of CHEM 590, 597, 598, and 599 may not exceed 15.

- **CHEM 596 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **CHEM 597 - Graduate Research**

---

(1–4)

Prerequisite: Approval of departmental adviser. Research leading toward M.S. degree. Graduate students must earn a minimum of 6 and a maximum of 8 units. Combined units of CHEM 590, 597, 598, and 599 may not exceed 15. Graded CR/NC.

- **CHEM 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field, regular conferences with sponsor. Student's progress determined by oral and/or written reports. May be repeated for credit; combined units of 597 and 598 may not exceed 13. Combined units of CHEM 590, 597, 598, and 599 may not exceed 15.

- **CHEM 599 - Thesis**

---

(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in thesis and oral defense thereof. May be repeated to maximum of 4 units. Combined units of CHEM 590, 597, 598, and 599 may not exceed 15. Graded CR/NC.

#### **Chicano Studies (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **CHS 108 - Comparative Ethnic Studies**  
(also listed as LAS, AAAS, and PAS 108)

---

(4)

This survey course examines comparatively the notions of "race" and ethnicity, the exploitation based on these statuses, and the resulting resistance and multi-ethnic social movements in the U.S. and elsewhere.

- **CHS 110 - Introduction to Pre-Cortesian Cultures of Mexico**

---

(4)

Introductory course examining the cultural, economic, and historical development of pre-Cortesian Mexico from the Olmec civilization to the

fall of the Aztec empire.

- **CHS 111 - Cultural Diversity and Chicanos**

---

(4)

Examines cultural diversity in U.S. society from Chicano Studies perspective. Explores historical and contemporary relationships, conflict, and reconciliation among major cultural groups.

**GE D ; Approved diversity course**

- **CHS 112 - Cultural Expressions in the Americas**

---

(4)

Explores pre-Columbian artistic representations and aesthetic principles that constitute a cultural legacy—expressed in modern literature, murals, and cinema—of present-day Chicanos/as and Latinos/as in the United States.

**GE C2**

- **CHS 115 - Introduction to Chicano Studies**

---

(4)

Critical study of the literature produced in disciplines and methodologies that constitute Chicano Studies as an interdisciplinary academic field.

- **CHS 201 - Modern Mexican Literature in Translation**

---

(4)

Selected major works of modern Mexican literature in translation.

**GE CI ; Approved diversity course**

- **CHS 255 - Diverse Latin American Populations in Southern California**

---

(also listed as LAS 255)

(4)

The formation of and differences among the varied Latin American people in the Southern California region and their participation in contemporary society.

**GE D ; Approved diversity course**

- **CHS 260 - Introduction to Third World Images in Film**

---

(also listed as PAS 260)

(4)

Introduction to a critical examination of the historical and cultural representations of Third World peoples, including U.S. ethnic communities, in U.S. and Third World Cinemas.

**GE C2 ; Approved diversity course**

- **CHS 280 - Chicanas and Latinas in Contemporary U.S. Society**

---

(4)

Examines the economic, political, social, and cultural forces impacting Chicana/Latina lives in the U.S.

- **CHS 311 - Chicano Cultural History**

---

(4)

Prerequisite: CHS 115. Development and nature of Mexican and Chicano culture, emphasizing especially significant historical movements and their contribution to understanding current cultural problems.

- **CHS 312 - Mediterranean and Pre-Columbian Myths in Latin American Literature**  
(also listed as ML 312)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Critical readings of modern Latin American narrative fiction, poetry and drama, with interpretive emphasis in their allusions to Greco-Roman and PreColumbian myths.

**GE Theme I**

- **CHS 320 - Mesoamerican Civilization**  
(also listed as ANTH/ART/HIST/LAS 320)

---

(4)

This is an interdisciplinary course that critically examines Mesoamerica as a civilization, with an emphasis on art, archaeology, literature, and cultural history.

- **CHS 327 - Ethnicity and Emotions in U.S. Film**  
(also listed as ENGL 327 and PAS 327)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. The critical analysis of the representations of ethnicity and emotions in U.S. film.

**GE Theme E ; Approved diversity course**

- **CHS 335 - Race and Culture in the Americas**  
(also listed as LAS 335)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Comparative study of race and ethnicity as expressed in the arts and culture of Latin America, the Caribbean and the United States. Some sections of the course may be offered online.

**GE Theme H ; Approved diversity course**

- **CHS 348 - Class, Race/Ethnicity, and Gender**  
(also listed as AAAS 348, PAS 348 and SOC 348)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of social class, sex/gender, and ethnicity/race as bases of inequality and the processes by which inequalities are maintained or reproduced. Some course sections may require service-learning.

**GE Theme H**

- **CHS 355 - Introduction to Principles of Research in Chicano Studies**

---

(4)

Introduction to the logic and principles of social inquiry to enable students to make knowledgeable decisions in designing, conducting, and interpreting empirical research. Draws on empirical scholarship in Chicano Studies.

- **CHS 360 - Oral History and the Chicana/o Latina/o Community**

---

(4)

Students learn to conduct oral history interviews that contribute to an understanding of community history.

- **CHS 370 - Environmental Racism**  
(also listed as HS 370)

---

(4)

Prerequisite: Completion of GE basic subjects (Block A) and One G.E. Block B1 course. Use of epidemiology in environmental health. Morbidity and mortality in communities of color and lower economic status due to disproportionate distribution of environmental contaminants. Some of the sections of the course may be taught on line.

GE Theme H

- **CHS 395 - Community Service in Chicano Studies**

---

(1–3)

Prerequisites: Eight units of approved CHS courses; approval by departmental faculty adviser in consultation with EPIC director; acceptance by community agency. Participation in work of community agency or activity utilizing professional and/or vocational skills in service to community. Graded CR/NC. Credit toward B.A. degree limited to 6 units.

- **CHS 400 - Literatures of Mesoamerica**

---

(4)

Prerequisite: CHS 111 or CHS 201. Literary works of Mayan, Nahua, and other Mesoamerican peoples, with emphasis on structural and esthetic elements, history of thought, and world view.

- **CHS 402 - Colonial to Modern Mexican American Literature**  
(also listed as ENGL 489)

---

(4)

Study of literary works by Hispanic, Mexican, and Mexican American authors from the colonial era to modern times.

- **CHS 403 - Contemporary Chicana/o Literature**

---

(4)

Prerequisite: CHS 111. Selected literary works by contemporary Chicano and Chicana authors, from the 1960s to the present. Includes a writing assignment that integrates previous studies in the CHS major in a culminating, interdisciplinary project.

- **CHS 404 - The Central American Experience in the US**  
(also listed as LAS 404)

---

(4)

Prerequisite: CHS 111 or CHS/LAS 255. Aspects of the Central American experience in the U.S. with emphasis on the transnational connections between the countries of origin and the communities of residence in the U. S.

- **CHS 405 - The Mexican People as Immigrants**

---

(4)

Global socioeconomic and political forces that shaped U.S. immigration policies and practices in relation to Mexicans; intra-group relations and social attainments of Mexicans and Mexican Americans in America.

- **CHS 406 - Latina/o Communities in U.S. Society**

---

(4)

The Chicano/a experience studied from the comparative perspective of other Latin Americans in the U.S.: Cubans, Puerto Ricans, Central and South Americans.

- **CHS 407 - Exploring Afro-Latino/a Identities**



---

(4)

This course emphasizes Afro-Latino(a) identities bringing together two groups that are often perceived as mutually exclusive categories within racial/ethnic thinking.

---

- **CHS 408 - Comparative Diaspora Studies**

(also listed as AAAS, PAS, LAS 408)

---

(4)

Prerequisite: Any lower division course in AAAS, PAS, CHS or LAS. The course is a comparative examination of diaspora among principally Africans, Asians and Latin Americans emphasizing the conditions of dispersal, the patterns of settlement, and the formations of global tribes.

---

- **CHS 409 - U.S. Latinos, Culture, and Global Cities**

(also listed as URBA 409)

---

(4)

Examination of Latino demographic growth and the impact it is having on the culture and design of major American cities and its potential for social and political change.

---

- **CHS 410 - Chicano Psychology**

---

(4)

Prerequisite: PSY 150. Chicano community psychology; focus on relationships among individuals and families, groups, complex organizations; social problems and collective behavior.

---

- **CHS 413 - Chicana and Mexican Women Writers**

(Also listed as ML 410 and WOMN 410)

---

(4)

Prerequisite: ENGL 305 or SPAN 300A or equivalent. Reading knowledge of Spanish, class discussions and instruction in English. Comparative study of contemporary Mexican and Chicana female writers with a focus on gender and sexuality issues, and their particular historical and cultural context.

---

- **CHS 423 - Migration, Identity, and Religion**

(also listed as LAS 423 and RELS 423)

---

(4)

Examines the role of Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

---

- **CHS 430 - Chicano Political Behavior**

---

(4)

Prerequisite: CHS 111. Socioeconomic and political factors that provide formative framework for unique political behavior patterns characteristically existing in the Chicano community.

---

- **CHS 432 - Chicanos and the War on Drugs**

---

(4)

Prerequisite: CHS 111. Study of war on drugs impact on Chicano and Latino community. Examines interest groups and public policy towards U.S. consumer demand for illegal drugs. This course requires service learning.

---

- **CHS 443 - History of the Chicano People in California**

---

(4)

History of the Chicano People in California since the Paleo- Indian past to the post-industrial present. Examined from a national as well as a global context.

• **CHS 444 - History of the Chicano People in the United States**

---

(4)

Prerequisite: HIST 202A or 202B. Historical development of the Chicano people from settlement until the present, with emphasis on period since 1848.

• **CHS 445 - History of the Chicano in Los Angeles**

---

(4)

Prerequisite: CHS 111. Historical survey of the Los Angeles Chicano community from settlement until the present.

• **CHS 449 - Anthropology of Race and Racism**  
(also listed as AAAS 449, CHS 449, and LAS 449)

---

(4)

This course examines the anthropological ideas of race, its emergence, and its relationship to the constructions of racisms and racializations in comparative settings and ill contemporary situations.

• **CHS 450 - Research on Community Problems**

---

(4)

Prerequisites: CHS 111, ENGL 102\*. Satisfactory completion of WPE, and senior standing. Emphasizes special issues of Mexican/Latino communities. This course requires service learning. \*Students subject to earlier catalogs satisfy this prerequisite with ENGL 101 or 190.

• **CHS 460 - The Chicano Movement**  
(also listed as HIST 460)

---

(4)

Prerequisite: Upper-division standing. Examines the Chicano Movement of the 1960s and 1970s from an interdisciplinary perspective. Topics include: grassroots, student, and youth activism; antiwar movement; La Raza Unida Party; Chicana feminism, and the Chicano cultural renaissance.

• **CHS 465 - Gender, Sexuality, and Transnational Migration**  
(also listed as WOMN 465 and LAS 465)

---

(4)

Explores international migration through the lens of gender and sexuality. Interdisciplinary examination of perspectives on socio-economic and legal issues affecting the lives, identities, and narratives of transnational (im)migrants.

• **CHS 466A - Colonial Mexico**  
(also listed as HIST 466A)

---

(4)

Social, political, economic, and cultural history of Mexico from pre-Columbian times to 1810.

• **CHS 466B - Building the Mexican Nation**  
(also listed as HIST 466B)

---

(4)

Social, political, economic, and cultural history of Mexico from 1810 to 1910.

- **CHS 466C - The Mexican Revolution and its Legacy**  
(also listed as HIST 466C)

---

(4)

Social, political, economic, and cultural history of Mexico from 1910 to the present.

- **CHS 467 - Modern Mexico and the Chicano People**  
(also listed as HIST 467)

---

(4)

Prerequisites: CHS 111. Recommended: CHS/HIST 466C. History of modern Mexico and its impact upon the Chicano people from separation from Mexico in 1848 to the present.

- **CHS 468 - U.S.-Mexico Borderlands**

---

(4)

Prerequisite: CHS 111. Urban and regional development of the U.S.-Mexico border area with particular emphasis on its impact on the Chicano community.

- **CHS 470 - Chicano Educational Issues**

---

(4)

Prerequisite: Upper division or graduate standing. Examination of the socioeconomic, cultural, and political forces that impact the success and failure of Chicanos in educational institutions. Service learning option is available for this course.

- **CHS 471 - The History of Chicana/o Education**

---

(4)

Historical overview of Chicana/o education, focused on sociopolitical and economic forces shaping the Chicana/o experiences. Emphasis on the effects of race/gender/class and nativity on the educational system structures and policies.

- **CHS 472 - Chicana/o Education: Theory and Research**

---

(4)

Prerequisite: CHS 111. Examines educational theories in Chicana/o education that bridges both fields of education and Chicano studies, with emphasis on the traditional and emerging analytical frameworks.

- **CHS 473 - Urban Education and Chicana/o Latina/o Dropouts**

---

(4)

Students will develop an understanding of social, political and economic forces shaping Chicana (o)/Latina (o) experiences in the U.S. urban educational system particularly issues related to high school dropout rates.

- **CHS 479 - Latina/o Children and Adolescents**

---

(4)

This course examines the socio-developmental issues Latina/o adolescents and children living in the United States experience. Interdisciplinary examination of the relationships between identity, family, friends, romantic partners, academics, career goals and lifelong satisfaction.

- **CHS 480 - Chicana Feminisms and Women's Movements**

---

(4)

Prerequisites: CHS 111, CHS 280, or WOMN 203. Advanced study of Chicana social movement activism and feminist thought, 1960s to present. Comparative analysis of Chicana feminisms with women of color in the U.S. and in a global context.

- **CHS 482 - Latin American Women's Movements**  
(also listed as WOMN 482 and LAS 482)

---

(4)

Examines Latin American women's movements and feminist organizing in the U.S., Mexico, Central America, South America, and the Caribbean.

- **CHS 485 - Health and Chicano/Latino Families**

---

(4)

Examines health issues among Mexicans, Chicano, Mexican Americans and other Latin Americans emphasizing the interplay between the political economy, health, family and community.

- **CHS 490 - Special Studies**

---

(1-4)

Prerequisites: Upper division or graduate standing, permission of instructor. Intensive study of selected areas in Chicano Studies. May be repeated to maximum of 8 units.

- **CHS 499 - Undergraduate Directed Study**

---

(1-4)

Prerequisites: Eight units in CHS; 2.75 grade point average, upper division or graduate standing; full-time faculty member to serve as sponsor; recommendation of department chairperson. Project selected in conference with sponsor, progress meetings held regularly, and final report submitted. May be repeated to maximum of 8 units.

### **Chicano Studies (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500 level courses.*

- **CHS 502 - Chicana/o Studies and Contemporary Theory**

---

(4)

Development of critical social and cultural theories with emphasis on the production of knowledge about Chicana/o/Latina/o communities.

- **CHS 503 - Seminar: Research Methods in Chicano Studies**

---

(4)

Analysis of research methods with emphasis on behavioral theory and methodologies applied to special fields of culture, including history, psychology, politics, education, economics, language; current social issues in Chicano/a Latino/a communities.

- **CHS 504 - Seminar: Chicano Psychological Issues**

---

(4)

Prerequisite: PSY 150 or CHS 410. Selected psychological issues of Chicanos including such topics as cultural psychodynamics, the fully functioning Chicano, special psychological problems, therapy and counseling effectiveness, and social psychological models.

•

## **CHS 505 - Seminar: Chicano Literature**

---

(4)

Prerequisite: CHS 403. Literary genres within Chicano literature in relation to the cultural and social context of Chicanos.

## **• CHS 506 - Seminar: Chicano History**

---

(4)

Prerequisite: CHS 444. Advanced study of Chicano historiography readings, reviews, discussions, oral reports, and research proposals.

## **• CHS 509 - Interdisciplinary Seminar in Chicano Studies**

---

(4)

Prerequisite: Advancement to candidacy in master's degree program. Interdisciplinary investigation and discussion of selected topics in Chicano studies.

## **• CHS 510 - Chicana(o)/Latina(o) Educational Pipeline**

---

(4).

Interdisciplinary investigation and discussion of educational issues in Chicana(o)/Latina(o) studies, with a focus on research for and by Chicana(o)/Latina(o) scholars.

## **• CHS 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

## **• CHS 598 - Graduated Directed Study**

---

(1–4)

Prerequisite: Consent of faculty sponsor, approved study prior to registration. Directed reading and critical analysis of advanced topics in Chicano Studies. Regular conference with sponsor. May be repeated for credit to maximum of 8 units.

## **• CHS 599 - Thesis**

---

(1–6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. An oral examination about the thesis is required. Must be repeated to total of 6 units. Graded CR/NC.

### **Child Development (Undergraduate)**

*With graduate adviser approval, appropriate 400-level courses in Child Development-related disciplines may be applied toward requirements for the master's degree.*

## **• CHDV 120 - Intimate Relationships in Our Diverse Society (also listed as SOC 120)**

---

(4)

Principles of interaction in intimate relationships in our diverse society. Understanding/valuing diversity and similarity (gender, ethnicity, class, etc.) in achieving intimacy. Developing knowledge/skills for dealing with relationship issues.

\*C-ID SOCI 130

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community*

college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE E ; Approved diversity course**

## • **CHDV 140 - Child Development**

---

(4)

Study of the whole child from conception to adolescence in a dynamic set of diverse contexts; examination of the interaction among biological, social/cultural, and psychological domains from a developmental perspective. Some sections may use technologically mediated instruction.

\*C-ID CDEV 100

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE D**

## • **CHDV 154L - Selected Topics in Child Development**

---

(1–4)

Prerequisites: As needed for specific topic. Special topics of interest to students in child development as announced in The Schedule of Classes. May be repeated as subject matter changes.

## • **CHDV 154P - Selected Topics in Child Development**

---

(1–4)

Prerequisites: As needed for specific topic. Special topics of interest to students in child development as announced in The Schedule of Classes. May be repeated as subject matter changes.

## • **CHDV 200 - Techniques for the Study of Children**

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(4)

Prerequisite: Completion of CHDV 140 with a grade of C or better or by consent of instructor. Overview of the methods used to study children, with an emphasis on the use of observational techniques in early childhood settings. Observation required weekly.

\*C-ID ECE 200

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **CHDV 210 - Infant Development**

---

(4)

Prerequisite: CHDV 200 with grade of C or better. Theory and dynamics of physical (including brain), perceptual, cognitive, language, personality and social emotional development from conception to 2 1/2 years. Issues surrounding the quality of center-based care for infants and toddlers will be surveyed. Lecture 3 hours, activity 3 hours.

## • **CHDV 220 - The Young Child**

---

(4)

Prerequisite: CHDV 210 with a grade C or better, or consent of instructor. Theoretical and empirical bases for understanding the child from 2 1/2 to 5 years. Lecture 3 hours, participation with children in supervised setting 3 hours.

\*C-ID ECE 210

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and*

given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

## • **CHDV 222 - Administration of Preschool and Day Care Programs**

---

(4)

Prerequisites: CHDV 220 with grade of C or better or permission of instructor. Organization and management of finances, staff, equipment, physical space, and programs. Fulfills partial requirements for the site supervisor child development permit for administrators of early childhood programs. Lecture 4 hours, activity 2 hours.

## • **CHDV 225 - Ethnic Identity and Awareness in Children and Families**

---

(4)

Children's development of ethnic identity and awareness; transmission of differing cultural patterns within family systems and social institutions within a diverse society.

## • **CHDV 228 - Administrative Leadership in Early Childhood Programs**

---

(4)

Prerequisites: CHDV 220 and CHDV 222 with a grade of C or permission of instructor. Examination of leadership and administrative skills necessary to hold supervisory positions in early childhood programs; fulfills partial requirements for the Site Supervisor and Program Director Child Development Permits for administrators of early childhood and child development programs.

## • **CHDV 230 - Program Design in Early Childhood**

---

(4)

Prerequisites: CHDV 210 with the grade of C or better or permission of instructor. Introduction to the historical and theoretical background, characteristics, and connection between philosophy and application of various early childhood program models and approaches.

## • **CHDV 250 - Child, Family, and Community**

---

(4)

Required Prerequisite: CHDV 140. Recommended Prerequisite: CHDV 225. Examination of the impact of environmental settings, significant relationships, and societal issues on the development of children. Students integrate theory, policy and reflection. Some course sections may require service learning.

\*C-ID CDEV 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **CHDV 321 - Urban Families: Contemporary Issues**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examining the role of diversity in dynamic interactions between culturally diverse families and other institutions in urban environments. Processes of resolving tensions between family values/goals/needs and urban demands.

**GE Theme D ; Approved diversity course**

## • **CHDV 340 - Middle Childhood and Adolescence**

---

(4)

Prerequisites: CHDV 200 with a grade of C or better or consent of the instructor. Theoretical and empirical bases for understanding children

from 6 to 18 years. Some sections (identified in the class schedule) are service learning and require that time be spent each week in a community agency.

- **CHDV 343 - Child and Adolescent Cognition**  
(also listed as PSY 343)

---

(4)

Prerequisites: PSY 160 or CHDV 140 with a grade of C or better. Cognitive changes from birth to adolescence. Analysis of major theories of cognitive development. Cognitive processes examined include memory, language, problem solving, social cognition, intelligence, symbolic thinking, reading, writing, math, and technology.

- **CHDV 344 - Family Resource Management**

---

(4)

Effective management of human, economic, and environmental family resources. The impact of life events including aging, women's employment, children, and divorce/widowhood on family resources.

- **CHDV 350 - Social and Emotional Development**

---

(4)

Prerequisite CHDV 140 with a grade of C or better. Study of social and emotional development from birth through adolescence; the self; emotion regulation and expression; peer, parent-child, and early romantic relationships; interpersonal skills; moral development; risk and resilience.

- **CHDV 412 - Issues in Child Abuse, Neglect, and Family Violence**

---

(4)

Overview of legal, health, social, psychological, educational, and cultural meaning of child maltreatment and family violence; field observations at appropriate agencies and sites.

- **CHDV 420 - Program Design in Early Childhood**

---

(4)

Prerequisites: CHDV 220. Introduction to the historical, social background, connection between philosophy and application of various early childhood programs and approaches.

- **CHDV 424 - Relationship Dissolution, Stepfamilies and Children**

---

(4)

Prerequisites: CHDV/SOC 120, CHDV 140. Impact of relationship dissolution, and stepfamily formation on children through the life cycle. Conflict, parenting, custody, visitation, attachment issues, support networks, and parental and child adjustment.

- **CHDV 426 - Hospitalized Child/Child Life Program**

---

(5)

Prerequisites: CHDV 200 with grade C or better; extensive experience in preschool setting or CHDV 220 with grade C or better. Working with hospitalized children from a non-medical perspective; interaction and activity planning; play therapy. Activity six hours in hospital setting.

- **CHDV 430 - Parent-Child Development Over the Family Life Cycle**

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(4)

Prerequisite: CHDV 200 with grade C or better. Interplay of personal and family developmental cycles; developmental tasks of parents, children, and mutual tasks; congruence and differences.



## • CHDV 433 - Approaches to Parent Education




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(4)

Prerequisites: CHDV/SOC 120, CHDV 200, CHDV 430. Examination of theories related to parent education, survey of popular parent education programs, and dynamics of parent education groups.

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# Course Descriptions

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## Child Development (Undergraduate)

*With graduate adviser approval, appropriate 400-level courses in Child Development-related disciplines may be applied toward requirements for the master's degree.*

- **CHDV 443 - Psychology of Cognitive Development**

---

(4)

Prerequisites : Completion of CHDV 200 and 220 with a grade of C or better or by consent of the Child and Family Studies Department. This course surveys current theories and research in cognitive development. Topics include, but are not limited to, developmental changes in memory, perception, language, conceptual organization and logical reasoning.

- **CHDV 444 - Family Life Education Methodology and Professionalism**

---

(4)

Prerequisite: HHS 400 or EDFN 452. Principles of family life education in conjunction with the ability to plan, implement, and evaluate family life education programs. Skills, professional

- **CHDV 454L - Special Topics in Child Development**

---

(1–4)

Prerequisite: Varies with specific topic. Current topics of special interest to CHDV students as announced in The Schedule of Classes. May be repeated for 12 units of credit as subject matter changes.

- **CHDV 454P - Special Topics in Child Development**

---

(1–4)

Prerequisite: Varies with specific topic. Current topics of special interest to CHDV students as announced in The Schedule of Classes. May be repeated for 12 units of credit as subject matter changes.

- **CHDV 470 - The Family and the Law**

---

(4)

Prerequisite: Senior standing. Examination of family interaction with the U.S. legal system; emphasis on husband-wife and parent-child legal relationships, rights, and responsibilities.

- **CHDV 480 - Loss and Grief within a Family Context**

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(4)

Complicated and uncomplicated grief reactions in children are examined within the context of family interactions. Normative child/family development, attachment, loss and resiliency theories provide the foundation for exploration of issues.

- **CHDV 492 - Development of Verbal Behavior in Childhood  
(also listed as COMD 456)**

---

(4)

Prerequisites: Upper division standing and consent of instructor. Language acquisition in typically developing children from infancy through late childhood, with a focus on the development of phonology (sounds), lexicon (words), syntax and morphology (sentences) and communicative competence (language use). Some sections of this course may be offered online. Some sections of this course may be offered online.

- **CHDV 493 - Second Language Acquisition in Childhood**

---

(4)

Prerequisites: CHDV492 with a grade of C or better or by consent of instructor. Theory and empirical research on second language acquisition in children from birth to 5 years; simultaneous and sequential bilingualism; psychological, sociocultural, and linguistic factors related to second language development.

- **CHDV 495 - Directed Field Experience**

---

(4)

Prerequisite: Departmental approval. Supervised experience in preschool settings or early childhood program. May be repeated to 8 units. CR/NC.

- **CHDV 496 - Senior Seminar**

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(4)

Prerequisites: Completion of 135 units; satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), CHDV 210, CHDV 220, CHDV 443, CHDV492/COMD 456; all prerequisites must have a grade of C or better. Restricted to Child Development majors or graduate students working on prerequisite requirements. An intensive seminar experience that examines the major issues, themes, theories and research findings in child development with an emphasis on their relationship to each other. Principles and techniques of writing a critical, literature review in Child Development.

- **CHDV 497 - Senior Honors Thesis**

---

(4)

Prerequisites: Completion of 135 units; satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). CHDV 210, CHDV 220, CHDV 443, CHDV 492/COMD 456: all prerequisites must have a grade of C or better; admission to Child Development Honors program. Restricted to Child Development majors or graduate students working on prerequisite requirements. An intensive seminar experience that examines the integration of theory, research, and practice. Writing of honors thesis under the supervision of honors adviser; approval and regular consultation with adviser required.

- **CHDV 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for 12 units of credit.

### **Child and Development (Graduate)**

*With graduate adviser approval, appropriate 400-level courses in Child Development-related disciplines may be applied toward requirements for the master's degree. Classified graduate standing is required for admission to all 500 level courses*

- **CHDV 500 - Advanced Developmental Science**

---

(4)

Prerequisite: Satisfactory completion of the GWAR (Graduation Writing Assessment Requirement). The foundation of graduate study of the developing person. Theories of development in the major age periods; issues and methods in current research.

- **CHDV 503 - Working with Parents**

---

(4)

Prerequisite: Satisfactory completion of the GWAR. Parent education trends: theory, dynamics, implementation, programs, research, and community resources. Lecture 3 hours, laboratory 3 hours.

- **CHDV 506 - Social Development**

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(4)

Prerequisite: Satisfactory completion of the GWAR. Study of normative change in social and emotional development; development of the self; peer; parent-child and sibling relationships; social cognition.

- **CHDV 507 - Risk and Resiliency in Development**

---

(4)

Prerequisite: Satisfactory completion of the GWAR. Concepts of risk, protection, resilience and competence in development. Application for intervention. Seminar 4 hours.

- **CHDV 508A - Research Methods**

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(4)

Prerequisites: HHS 400 or EDFN 452 and CHDV 500. Methods of studying children and families, basic research designs, core issues in studying development, ethical issues and emerging methodologies.

- **CHDV 508B - Analytical Methods**

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(4)

Prerequisites: HHS 400 or EDFN 452 and CHDV 508A. Application of research methods in understanding data analysis. Students will become familiar with data entry and data analysis using specific data sets. Seminar 3 hours, Laboratory 3 hours.

- **CHDV 509 - Cognition and Language Development**

---

(4)

Prerequisites: CHDV 492 (formerly CHDV 494) and CHDV 500. Survey of cognitive and language development: emphasizes origins of knowledge; development of sensory, motor, perceptual, attention processes; development of language(s) during early years; development of higher order cognition across late adolescence.

- **CHDV 510 - Special Topics in Child Development**

---

(4)

Prerequisite: CHDV 500. In-depth study of selected topics related to current issues and research in child development.

- **CHDV 595 - Graduate Field Work**

---

(1–6)

Prerequisites: Completion of core courses and instructor consent to act as supervisor. Supervised individual field experience in child development settings; assignments on individual basis. May be repeated to maximum of 6 units.

- **CHDV 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **CHDV 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: CHDV 507; instructor consent to act as supervisor. Independent directed study of advanced topics in the field of child development; regular conferences with instructor. May be repeated to maximum of 8 units.

- **CHDV 599 - Thesis or Project**

---

(1–6)

Prerequisites: CHDV 510; advancement to candidacy; instructor consent to act as adviser; approval of topic prior to registration for thesis or project. Independent research resulting in thesis or project. Must be repeated to maximum of 6 units. Graded CR/NC.

## Chinese (Undergraduate)

- **CHIN 100A - Elementary Mandarin**

---

(4)

Prerequisite: See departmental “Limitation on Language Credit” policy in this catalog. Must be

taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Mandarin. Introduction to the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 100B - Elementary Mandarin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Mandarin. Introduction to the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 100C - Elementary Mandarin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Mandarin. Introduction to the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 115 - Spoken Mandarin**

---

(4)

Emphasis on conversational communication in daily situations. Recommended for students with no knowledge of Chinese or Cantonese-speaking students who do not speak Mandarin.

- **CHIN 200A - Intermediate Mandarin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Mandarin; grammar review; vocabulary building; study of the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 200B - Intermediate Mandarin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Mandarin; grammar review; vocabulary building; study of the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 200C - Intermediate Mandarin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Mandarin; grammar review; vocabulary building; study of the customs, culture, and institutions of the Chinese people.

**GE C4**

- **CHIN 300A - Advanced Chinese I**

---

(4)

Prerequisite: CHIN 200C. Must be taken in sequence. Practice in oral and written Mandarin. Emphasis on fluency, correct expression in writing, and vocabulary expansion through reading contemporary literature.

- **CHIN 300B - Advanced Chinese II**

---

(4)

Prerequisite: CHIN 200C. Must be taken in sequence. Practice in oral and written Mandarin. Emphasis on fluency, correct expression in writing, and vocabulary expansion through reading contemporary literature.

- **CHIN 303 - Mandarin for Cantonese Speakers**

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(4)

Prerequisite: CHIN 201C. Emphasis on spoken Mandarin; drills for better understanding differences between Cantonese and Mandarin syntactic and idiomatic expressions.

- **CHIN 305 - Introduction to Chinese Linguistics**

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(4)

Prerequisite: CHIN 300A. Basic concepts of linguistics as applied to Chinese language. Includes Chinese phonetics, phonology, morphology, syntax, semantics, and pragmatics.



- **CHIN 310 - Chinese Civilization**

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(4)

Prerequisite: CHIN 200B. Major cultural and social trends of China from beginning to present.

- **CHIN 315 - Language in Chinese Society**

---

(4)

Prerequisite: CHIN 200C. Study of how Chinese language functions in contemporary society. Politeness, genderlects, slang, taboos, loan words, personal naming, and cross-dialectal influence and misunderstanding.

- **CHIN 320 - Chinese Phonetics**

---

(4)

Prerequisite: CHIN 305. Production of Chinese sounds, Chinese phonetic system in relation to pinyin, analysis of tones and syllables, laboratory practice in pronunciation.

- **CHIN 322 - Newspaper Chinese**

---

(4)

Prerequisite: CHIN 300B. Extensive reading in leading Chinese newspapers and magazines from People's Republic of China, Republic of China (Taiwan), Hong Kong, etc. Emphasis on abbreviated phrases used in contemporary newspapers and magazines.

- **CHIN 350 - Fundamentals of Translation**

---

(4)

Prerequisite: CHIN 300B. Intensive study of the art of translation, practice in English-to-Chinese and Chinese-to- English translation.

- **CHIN 380 - Business Chinese**

---

(4)

Prerequisite: CHIN 200C. Intensive study of Mandarin Chinese used in business; theory and practice of fundamentals of commercial correspondence and negotiations in Chinese.

- **CHIN 395 - Chinese in Community Service**

---

(1–4)

Prerequisite: CHIN300B, approval of department faculty adviser in consultation with the Department Chair, acceptance by community agency. Participation in work of a community agency or program utilizing communication skills in Chinese. May be repeated once to a maximum of 6 units. Graded CR/NC.

- **CHIN 401 - Introduction to Wenyan: Classical Chinese Language**

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(4)

Prerequisite: CHIN 300B. An introduction to classical Chinese language through selections from great classics such as Dao De Jing, Zhuang Zi, Lunyu, and Shiji.

- **CHIN 402 - Classical Chinese Language II**

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(4)

Prerequisite: CHIN 401. Study of classical Chinese language through selected canonical writings in philosophy and literature.

- **CHIN 403 - Contrastive Analysis of Chinese and English Structures**

---

(4)

Prerequisites: CHIN 300AB and ENGL 401. Contrastive analysis of structures of Chinese and English describing similarities and differences of each, emphasis on studying structures that cause interference in language learning.

- **CHIN 408 - Chinese Literature I**

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(4)

Prerequisite: CHIN 300B. Chinese literature from the beginnings to the 13th century.

- **CHIN 410 - Chinese Literature II**

---

(4)

Prerequisite: CHIN 300B. Chinese literature from the 13th century to the present.

- **CHIN 420 - Chinese Poetry**

---

(4)

Prerequisite: CHIN 300B. Study of major Chinese poets in different historical periods. Analysis of poetic form, image, and style.

- **CHIN 422 - Contemporary Chinese Fiction**

---

(4)

Prerequisite: CHIN 410. In-depth study of Chinese contemporary novelists from the 1980s to the present: Chinese modernism, postmodernism, and post colonialism.

- **CHIN 426 - Chinese Film**

---

(4)

Study of the history of Chinese film, cinematic theories, and the style and art of major directors. Analysis of film adaptation of literary texts. Conducted in English.

- **CHIN 428 - Chinese Women's Literature**

---

(4)

Prerequisite: CHIN 300B. Study of works by Chinese women writers from the classical period to the present.

- **CHIN 430 - Chinese Literature in Translation**

---

(4)

Study of Chinese Literature in English Translation. No knowledge of Chinese is required. May be repeated to a maximum of 8 units for credit as content changes.

- **CHIN 451 - Proseminar: Chinese Linguistics**

---

(4)

Prerequisites: CHIN 300B, CHIN 305, ENGL 401. In-depth study of selected topics in Chinese linguistics. May be repeated to a maximum of 8 units as subject matter changes.

- **CHIN 452 - Proseminar Yuan Ming Drama**

---

(4)

Prerequisite: CHIN 410. In-depth study of the Golden Age of Chinese Drama during the Yuan and the Ming Dynasties; political, cultural, and aesthetic values; and their influence on subsequent literary history and world culture.

- **CHIN 454P - Special Topics in Chinese**

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(1–4)

Current topics of special interest to students in Chinese as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- **CHIN 460 - Proseminar: Masters of Chinese Culture and Thought**

---

(4)

Prerequisite: CHIN 300B.

**Study of major figures in Chinese intellectual history. May be repeated to a maximum of 8 Units as subject matter changes.**

- **CHIN 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Instructor's Consent. Project selected in conference with instructor before registration; progress meetings held regularly and culminating in written reports. May be repeated to a maximum of 8 units for credit.

### **Civil Engineering (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements subject to limits established by department and approval of a graduate adviser.*

- **CE 154 - Special Topic in Civil Engineering**

---

(1–4)

Prerequisites: Instructor consent and as needed for specific topic. Current topics of special interest to students in engineering, as announced in the Schedule of Classes. May be repeated to maximum of 8 units. CR/NC

- **CE 190 - Introduction To CAD**

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(1)

Prerequisite: MATH 104B. Use of computers in 2 and 3 dimensional drafting and pictorial representation using CAD software. Computer graphics fundamentals and descriptive geometry. Laboratory 3 hours.

- **CE 195 - Civil Engineering Design I**

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(4)

Prerequisites: CE 190, CE 202, PHYS 211. Introduction to civil engineering design including problem identification, data gathering, analysis, feasibility study, alternative design, decision making and communication. Lecture 2 hours, Laboratory 2 hours.

- **CE 201 - Statics**  
(also listed as ME 201)

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(4)

Prerequisites: MATH 207, PHYS 211. Fundamental principles of statics, resolution and composition of forces, algebraic and graphic solutions, friction, center of gravity, moment of inertia.

- **CE 202 - Plane Surveying**

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(4)

Prerequisite: MATH 104B or satisfactory score on mathematics placement test. Principles and practices of measurement of distances, directions, and elevations; care and use of level, transit, plane table; mapping practice, and symbols. Lecture 2 hours, laboratory 6 hours.

- **CE 205 - Strength of Materials I**  
(also listed as ME 205)

---

(4)

Prerequisite: CE/ME 201. Stresses and strains under axial, shearing, and torsional forces; flexural stresses and deflections of simple beams; columns; and combined stresses.

- **CE 208 - Statics and Strength of Materials**  
(also listed as ME 208)

---

(4)

Prerequisites: MATH 207, PHYS 211. Principles of statics, force systems and equilibrium, structures, machines, distributed force, centroid, moment of inertia, stresses, strains, and deformations under axial, torsional, and bending loads. For Electrical Engineering students only.

- **CE 210 - Matrix Algebra for Engineers**  
(also listed as ME 210)

---

(2)

Prerequisite: MATH 208. Introduction to calculations using vectors; matrix operation; solution of linear simultaneous equations; coordinate transformation; application to engineering problems.

- **CE 211 - Statistics and Probability for Engineers**  
(also listed as ME 211)

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(2)

Prerequisite: MATH 208. Introduction to calculations using probability distributions and densities; concepts in statistics; application to engineering problems.

- **CE 220 - Our Oceans and Our Future**

---

(4)

The engineering aspects of ocean environment, its effect on humankind, and our future. Intended for all majors.

**GE B3**

- **CE 290 - Numerical Methods for Engineers**

---

(3)

Prerequisite: CE/ME 210. Applied numerical methods for engineers with microcomputer applications. Lecture 2 hours, laboratory 1 hour.

- **CE 303 - Fluid Mechanics I**  
(also listed as ME 303)

---

(4)

Prerequisite: PHYS 212. Fundamental principles and methods of fluid mechanics; thermodynamics of fluid flow; Newtonian fluids; equations of fluid flow; laminar and turbulent flow; applications.

- **CE 306 - Communication for Civil Engineers**

---

(3)

Prerequisites: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), COMM 150. Exposure to key communication skills encountered in civil engineering practice. Integration of oral and written communication skills centered around a civil engineering design project. Individual and team assignments. Lecture 2 hours, laboratory 3 hours.

- **CE 312 - Strength of Materials Laboratory I**

**(also listed as ME 312)**

---

(1)

Prerequisites: CE/ME 205 (may be taken concurrently). Tests of engineering materials in tension, compression, bending, and torsion; verification by experiment; basic theories learned in strength of materials. Laboratory 3 hours.

- **CE 313 - Fluid Mechanics Laboratory I**  
**(also listed as ME 313)**

---

(1)

Prerequisites: CE/ME 303. Experiments on fluid properties, fluid statics, conservation of mass, energy, and momentum, and fluid resistance. Laboratory 3 hours.

- **CE 320 - Dynamics I**  
**(also listed as ME 320)**

---

(4)

Prerequisite: CE/ME 201. Kinematics and kinetics of rigid bodies; work, kinetic energy, impulse, momentum in two and three dimensions; applications to space mechanics.

- **CE 352 - Technological Aspects of Urban Environment**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Current engineering practice in dealing with urban problems such as financial, transportation, pollution, communications, public utilities, land use planning and public health. Not acceptable for engineering technical elective credit.

**GE Theme D**

- **CE 358 - Environment, Earth Systems and Technology**  
**(also listed as GEOG 358)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Consider the role of technology in the changing relationships between human societies and their environment; studies the impact of the agricultural, industrial and information revolutions on natural systems and sustainability.

**GE Theme G**

- **CE 360 - Structural Mechanics I**

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(4)

Prerequisite: CE/ME 205. Analysis of determinate structures: beams, frames, and cables. Introduction to influence lines and analysis of indeterminate structures.

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- **CE 361 - Introduction to Structural Design**

---

(4)

Prerequisites: CE 195, CE 360. Loads on buildings and load distribution in framed structures, codes and specifications, design of simple beams, columns and tension members made from steel, concrete, and timber.

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- **CE 364 - Concrete Laboratory**

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(1)

Prerequisites or corequisites: CE 361, CE/ME 312. Physical tests of cement, concrete aggregates, tensile strength test of cement, proportioning of concrete mixtures, slump test, compressive and flexural strength tests. Laboratory 3 hours.

---

- **CE 365 - Specifications and Cost Estimating**

---

(4)

Prerequisite: Senior standing in engineering. Building specifications and codes, estimating costs, materials handling and transport, excavation, concrete, wood, masonry, and steel construction.

---

- **CE 366 - Soil Mechanics I**

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(4)

Prerequisites: CE/ME 205; prerequisite or corequisite: CE/ME 303. Physical and mechanical properties of soils, classifications, permeability, seepage, capillarity, consolidation, settlement, stresses, pressures, strength theories, and testing methods.

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- **CE 368 - Soil Mechanics Laboratory**

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(1)

Prerequisites: CE 366, CE/ME 312. Physical properties of soils, soil classification, mechanical analysis, permeability, shearing strength, and consolidation tests. Laboratory 3 hours.

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- **CE 370 - Transportation Engineering**

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(4)

Prerequisites: CE 202, CE/ME 210, 211. Fundamental principles for analysis, planning, design, and operation of transportation systems.

- **CE 372 - Asphaltic Materials Laboratory**

---

(1)

Prerequisite: CE/ME 312. Laboratory tests on asphalt cement and aggregates; design of asphaltic mixtures; proportioning of asphalt cement and aggregates; preparation of test specimens. Laboratory 3 hours.

- **CE 381 - Computer Aided Design Laboratory**

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(1)

Prerequisites: CE 303, 361, 370. Use of computer-aided visualization, comprehension and graphical representation in planning and design of civil engineering projects.

- **CE 382 - Computer Aided Structural Analysis, Design and Experimentation Laboratory**

---

(1)

Prerequisites: CE/ME 312, CE 361. Computer aided structural analysis and design using structural simulation software as encountered in practice. Computer aided structural experimentation and comparison of experimental results with structural analysis software. Laboratory 3 hours.

- **CE 384 - Introduction to Environmental Engineering**

---

(4)

Prerequisites: CE/ME 303, CHEM 101. Introduction to environmental engineering; environmental and ecological systems; physical, chemical, and biological processes; water and wastewater treatment; air pollution; solid and hazardous wastes; regulations and impact assessment.

- **CE 386 - Design of Water Resources Systems**

---

(4)

Prerequisites: CE 195, CE/ME 303. Develops of water resources and demand of water, availability of water, storage and control structures, conveyance system, and drainage system.

- **CE 387 - Hydraulics I**

---

(4)

Prerequisite: CE/ ME 303. Introduction to open channel flow, gradually varied flow, hydraulic machinery, and introduction to unsteady flow.

- **CE 398 - Cooperative Education**

---

(1–4)

Prerequisites: Approval of student adviser and department chair. Integration of civil engineering work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. Graded CR/ NC.

- **CE 402 - Strength of Materials II**

---

(4)

Prerequisites: CE/ME 205, MATH 215. Stress-strain relationship in three dimensions, energy principles; theories of failure, curved beams, thick wall cylinders, shear center, unsymmetrical bending, and torsion in noncircular sections.

- **CE 413 - Fluid Mechanics Laboratory II  
(also listed as ME 413)**

---

(1)

Prerequisite: CE/ME 313; prerequisite or corequisite: CE 387 or ME 408. Experiments on subsonic and supersonic flow, free surface flow, pumps, turbines, fans, and unsteady flow. Laboratory 3 hours.

- **CE 454 - Special Topics in Civil Engineering**

---

(1–4)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced civil engineering subjects upon approval of instructor.

- **CE 454L - Special Topics in Civil Engineering**

---

(1)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced civil engineering subjects upon approval of instructor. Tests include physical tests of cement, aggregates and other agents, mix design; workability and strength tests.

Concrete canoe design and construction.

- **CE 460 - Structural Mechanics II**

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(4)

Prerequisite: CE 360. Analysis of indeterminate structures; moment distribution, slope deflection, and approximation methods; three dimensional frames and long span structures.

- **CE 461 - Design of Steel Structures**

---

(4)

Prerequisites: CE 360, 361. Design of steel structures; lateral buckling of beams and frames, built-up beams, girders and trusses; moment connections, torsion and unsymmetrical bending; diaphragms and lateral force designs.

- **CE 462 - Reinforced Concrete Design I**

---

(4)

Prerequisites: CE 360, 361. Strength design of reinforced concrete structures, beams, slabs, frames, columns, footings, and retaining walls.

- **CE 463 - Timber and Masonry Design**

---

(4)

Prerequisites: CE 360, 361. Wood properties and design of wood structural elements, plywood and glulam products; reinforced masonry (brick and concrete) units, material properties, design of reinforced masonry structural elements.

- **CE 465 - Seismic Design**

---

(4)

Prerequisites: CE 460 and CE 461 or CE 462. Earthquake and ground motion characteristics, structural response to support motions, lateral force resisting systems, determination of seismic forces, design of buildings for lateral loads.

- **CE 467 - Foundations I**

---

(4)

Prerequisite: CE 366. Site exploration, bearing capacity, slope stability, lateral earth pressure,

types of foundations, footings, caissons, piles, retaining walls, and cofferdams.

- **CE 471 - Highway Engineering**

---

(4)

Prerequisites: CE 370, CE 202. Introduction to principles of highway design including route location, geometric of horizontal and vertical curves, earthwork computations, drainage designs; computer applications.




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## Course Descriptions

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### Civil Engineering (Undergraduate)

All 400-level courses may be applied toward master's degree requirements subject to limits established by department and approval of a graduate adviser.

#### • **CE 472 - Highway and Airport Pavement Design**

---

(4)

Prerequisites: CE 368, 370. Theory and principles of pavement design for highways and airports; effects of soil characteristics and physical properties of basic materials; testing procedures. Grading ABC/NC.

#### • **CE 473 - Pavement Design Laboratory**

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(1)

Prerequisite: CE/ME 312. Basic tests performed in evaluation of treated and untreated bases, subbases, and subgrades necessary for pavement thickness design. Laboratory 3 hours.

#### • **CE 474 - Traffic Engineering**

---

(4)

Prerequisite: CE 370. Elements of traffic engineering; vehicle, driver, and road characteristics; capacity and flow determination; signalized intersections; parking and accident studies; street, freeway, and mass transit operations.

#### • **CE 475 - Advanced Geomatics**

---

(4)

Prerequisite: CE 370. Prerequisite or Corequisite: CE 471. Advanced geomatics, including triangulation, global positioning system (GPS), design and field layout of a spiraled horizontal curve including a vertical curve, and earthwork determination. Lecture 2 hours, laboratory 6 hours.

#### • **CE 483 - Hydrology I**

---

(4)

Prerequisite: CE/ME 303. Precipitation, evaporation, infiltration, transpiration, and runoff; methods of predicting discharge from precipitation, flood routing, and measurement of hydrologic processes.

#### • **CE 484 - Sewerage and Sewage Treatment**

---

(4)

Prerequisite or Corequisite: CE 384. Sanitary and storm sewer systems, sewage treatment and disposal, stream sanitation, and treatment plant design.

#### • **CE 485 - Water Supply**

---

(4)

Prerequisite: CE/ME 303. Sources and collection of surface and ground water, distribution systems, water quality, water treatment plants, sedimentation, filtration, softening, and disinfection.

### • **CE 486 - Groundwater Contamination and Remediation**

---

(4)

Prerequisite: CE 384. Study of the fate of contaminants in the subsurface environment. Focus is on the transport of chemicals through porous media including possible transformations (chemical, physical, and biological).

### • **CE 496A - Civil Engineering Design Project I**

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(3)

Prerequisites: CE 306,361,366,370,384,386, ENGR 300, 301. Initial phases of planning and designing typical civil engineering project as encountered in practice; project requires integration and synthesis of acquired knowledge, consideration of alternative solutions, methods, and constraints such as economic, environmental, health and safety, social, political, sustainability, constructability, and ethical. Individual and group work required. A preliminary report and oral presentation required. Lecture 2 hours and Laboratory 3 hours. CE 496A and 496B must be taken in consecutive quarters in the same academic year.

### • **CE 496B - Civil Engineering Design Project II**

---

(2)

Prerequisite: CE496A. Continuation of design project initiated in CE 496A. Complete analysis and design of system including application of constraints. Preparation of final design report, including: memoranda, computations, drawings, cost estimates etc. Individual and group work required. Final written and oral report is required. Laboratory 6 hours. CE 496A and 496B must be taken in consecutive quarters in the same academic year.

### • **CE 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

#### **Civil Engineering (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 500 level courses*

### • **CE 554 - Advanced Topics in Civil Engineering**

---

(4)

Prerequisites: Department approval required. Advanced topics in Civil Engineering. May be repeated to a maximum of 8 units as subject matter changes.

### • **CE 560 - Structural Mechanics III**

---

(4)

Prerequisite: CE 460. Column analogy, moment distribution applied to nonprismatic members, elastic energy method applied to arches and curved members, influence lines for indeterminate structures and secondary stresses.

### • **CE 561 - Advanced Steel Design**

---

(4)

Prerequisites: CE 460, 461. Emphasis on LRFD method, Unsymmetrical bending and torsion of beams, composite beams, nonprismatic beams, plate girders, beam-columns, frames and connections.

- **CE 562 - Reinforced Concrete Design II**

---

(4)

Prerequisite: CE 462. Creep and plastic flow of concrete. Theory and practice of ultimate strength design. Prestressed concrete structures.

- **CE 564 - Numerical Methods in Structural Analysis**

---

(4)

Prerequisite: CE 460 or 402. Finite difference and finite element methods for structures; free and forced vibrations; bending, buckling of beams and plates; special applications.

- **CE 565 - Dynamics of Structures**

---

(4)

Prerequisite: CE 460 or ME 414. Free vibrations, forced vibrations and transient response of structures and structural components having one and many degrees of freedom; damping and inelastic action, earthquakes and nuclear blasts; dynamic resistance of structures; limit design; design for dynamic loads.

- **CE 566 - Soil Mechanics II**

---

(4)

Prerequisite: CE 467. Stress and strain in soil mass, equilibrium and movement of soil water, soil consolidation, settlement, and soil strength.

- **CE 567 - Foundations II**

---

(4)

Prerequisite: CE 467. Earth-pressure problems and problems of deep excavation; design of anchored bulkheads, cofferdams, piles under lateral loads, underpinning.

- **CE 569 - Earth Structures**

---

(4)

Prerequisite: CE 467. Factors influencing design, explorations for foundations and construction processes, compactions, stability analysis, seepage control, earth dams.

- **CE 570 - Soil Dynamics**

---

(4)

Prerequisite: CE 467. Dynamic properties of soils, vibratory effects on foundations, earthquake effects on foundations, dynamic stability of earth structures.

- **CE 571 - Highway Design**

---

(4)

Prerequisite: CE 471. Practical application of American Association of State Highway and Transportation Officials (AASHTO) policy on design controls; capacity analysis for uninterrupted flow, weaving section and ramps; functional design procedures in development of an interchange.

- **CE 572 - Plates and Shells**

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(4)

Prerequisites: CE 402, 460. Equations of bending of thin elastic plates, energy method; approximate and numerical methods; theory of shells

with application to tanks, roofs, and pressure vessels.

- **CE 574 - Traffic Flow Analysis**

---

(4)

Prerequisite: CE 370. Measurements and analysis of traffic flow characteristics: speed, density, flow, headway; statistical data analysis, time-space diagrams, traffic flow models, queuing theory, shock wave analysis, traffic models applications.

- **CE 575 - Urban Transportation Planning**

---

(4)

Prerequisite: CE 370. Travel forecasting, data requirements, collection methods, trip generation and distribution models; modal split analysis, trip assignment, plan alternatives, and evaluation methodology.

- **CE 577 - Bridge Engineering**

---

(4)

Prerequisites: CE 461, 462. Design of steel, concrete, and timber bridges, piers, and abutments; American Association of State Highway and Transportation Officials (AASHTO) specifications; criteria for earthquake resistant design of bridges; geometry, safety economics, and aesthetics.

- **CE 579 - Environmental Mass Transfer**

---

(4)

Prerequisite: CE 384 or Equivalent. Study the fate of contaminants in the environment. Emphasis on the fundamentals of mass transfer including: sorption/desorption, contaminant retardation, vaporization and dissolution of Nonaqueous Phase Liquids (NAPL), and other phenomena.

- **CE 580 - Environmental Transport**

---

(4)

Prerequisite: CE 384 or equivalent. Transport in water and air emphasizing exchanges across boundaries such as sediment-water and air-water; particles, droplets, and bubbles; effect of reactions on transport; linkages between physical, chemical, and biological processes.

- **CE 581 - Modeling Techniques in Hydraulic Engineering**

---

(4)

Prerequisite: CE/ME 303. Dimensional analysis: similarity law and hydraulic, coastal, and estuarine models; mathematical models.

- **CE 582 - Statistical Hydrology**

---

(4)

Prerequisites: CE 483, CE/ME 210, 211. Statistical and probability analysis of hydrologic processes. Application of correlation and regression method to hydrologic variables. Elementary time series analysis of hydrologic data.

- **CE 583 - Hydrology II**

---

(4)

Prerequisite: CE 483. Space-time characteristics and mechanics of rainfall, surface run-off and infiltration. Theory of drainage basin dynamics. Low stream flow.

- **CE 586 - Open Channel Hydraulics**

---



(4)

Prerequisites: CE 387, MATH 215. Flow types, flow profile computations; design of channels and transition structures; unsteady flow.

• **CE 587 - Hydraulics II**

---

(4)

Prerequisite: CE 387. Unsteady flow in pipes, wave motion, sediment transportation, and coastal engineering.

• **CE 588 - Hydraulic Structures**

---

(4)

Prerequisite: CE 387. Hydraulic structures for impounding, conveying, and controlling water.

• **CE 589 - Coastal Engineering**

---

(4)

Prerequisite: CE 387. Fundamentals of water waves and their effects. Diffraction, reflection, and refraction; impulsively generated waves; effect of waves on coastal structures.

• **CE 596 - Comprehensive Examination**

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(0)

Permission needed by department. Students who select the comprehensive examination (CE 596) should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements.

• **CE 597 - Graduate Research**

---

(1–5)

Prerequisites: Instructor consent to act as sponsor and departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Graded CR/ NC.

• **CE 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: Instructor consent to act as sponsor and departmental approval. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

• **CE 599 - Thesis**

---

(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as a sponsor and college approval of the topic prior to registration. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/ NC.

**Classics (Undergraduate)**

• **CLAS 300 - Origins of Classical Thought**

---

(4)

Beginnings of classical culture in ancient Greece; analysis of early classical conception of art, sciences, technology, politics, philosophy, and religion; emphasis on role of basic concepts in shaping Greek and Roman civilization.

- **PHIL 300 - Origins of Classical Thought**

---

(4)

Beginnings of classical culture in ancient Greece; analysis of early classical conception of art, sciences, technology, politics, philosophy, and religion; emphasis on role of basic concepts in shaping Greek and Roman civilization.

**Computer Integrated Design (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 110 - Introduction to Drafting**

---

(3)

Application of theory and fundamentals of drafting: orthographic projection techniques applied for a basic understanding of architectural, machine, forging, casting, welding, and electronic drafting. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 144 - Introduction to Industrial Design**

---

(3)

Creative problem-solving and aesthetics, application through two- and three-dimensional exploratory exercises in color, texture, shape, form, structure, and space through simple industrial design problems. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 310 - The Design Process**

---

(3)

Introduction to the process of technical design. Analysis and application of the methods, models, organizations, standard and practices used in the design of projects or products. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 313 - Product Design and Development**

---

(3)

Prerequisite: TECH 310. Indepth examination of the process of designing products for manufacture. Analysis and application of the methods, models organizations, standards and practices used in industry. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 315 - Project Design and Document Control**

---

(3)

Prerequisites: TECH 310 and 313. Concepts, applications and procedures necessary to control, protect and access graphical data used in the management of design and manufacturing documentation. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 411 - Tool Design**

---

(3)

Prerequisite: TECH 110. Application of principles of precision dimensioning, mechanics, and drafting to design of machines, tools, gears, and cams; selection and design of tools for mass production. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

**Communication Disorders (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **COMD 150 - Introduction to American Sign Language**

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(4)

Introduction to the American Sign Language organized gesture system including Deaf culture, visual signs, development of basic conversational skills, grammatical structure and principles underlying ASL.

**GE C4**

• **COMD 170 - Introduction to Communication Disorders**

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(4)

Introduction to causes, characteristics, and remediation of common communication disorders, focusing primarily on children. Designed for majors in related fields and as a beginning course for Communicative Disorders majors.

• **COMD 250 - American Sign Language II**

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(4)

Prerequisite: COMD 150. Continued study of Fundamentals of American Sign Language including comprehension skills, grammatical structures, practice in expressive aspects of the language, and exposure to Deaf culture.

• **COMD 300 - Observation, Professional Issues and Writing Skills in Communication Disorders**

---

(4)

Prerequisite: Passing WPE score; COMD 170. Professional writing skills for the audiologist and speech-language pathologist through observation of clinical experiences and learning about legal and ethical considerations for practice in various work settings.

• **COMD 309 - Human Violence and Individual Change  
(also listed as PSY 309)**

---

(4)

Prerequisites: Completion of Basic Subject (Block A) and one course from Block D. Examination of theories, research and practices for accomplishing individual change; application of models of change to alter violent or counterproductive behaviors and attitudes; improving human interaction, and reducing violence/abuse.

**GE Theme B**

• **COMD 351 - American Sign Language III**

---

(4)

Prerequisite: COMD 250. Continued study of fundamentals of American Sign Language including comprehension skills, grammatical structures, practice in expressive aspects of the language, and exposure to Deaf culture.

• **COMD 357 - Victimology in Child Abuse and Family Violence  
(also listed as HHS 357)**

---

(4)

Prerequisite: Upper division standing. This course examines victimization's relationship to crime, with emphasis on child abuse and family violence. It will explore issues in the victim's rights movement and types of victimization. Special attention will be given to interventions and preventing secondary trauma.

• **COMD 400 - Hearing Science**

---

(4)

Prerequisite: upper division standing or permission of instructor. Anatomy, physiology, and pathology of the peripheral hearing mechanism, including theories of hearing and introduction to the central auditory nervous system.

• **COMD 401 - Acoustics of Speech and Hearing**

---

(4)

Prerequisite: Upper division standing or permission of instructor. Acoustical characteristics of sound, vibration, sound waves and wave motion, sound transmission, sound sources, speech acoustics.

### • **COMD 402 - Audiology and Audiometry**

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(5)

Prerequisites: COMD 400 or permission from the instructor, upper division standing. Introduction to the basic diagnostic audiological battery of tests, including pure-tone and speech audiometry; introduction to management of the hearing impaired; identification audiometry.

### • **COMD 420 - Rehabilitative Audiology**

---

(5)

Prerequisites: COMD 400, 401, 402. Issues concerning hearing-impaired adults and children: including speech reading, hearing-aid use, counseling for adults, assessment and remediation of speech and language skills, auditory training and educational placement for children.

### • **COMD 440 - School Audiometry for Nurses**

---

(4)

Prerequisite: Public Health Nurse or School Nurse Credential Candidate. Anatomy, physiology and pathology of the ear; acoustics of sound and instrumentation; school hearing conservation program; pure tone screening and audiometric testing, including audiogram interpretation and immittance testing.

### • **COMD 444 - Clinical Assistant Practicum in Communication Disorders**

---

(2)

Prerequisites: At least 15 units of COMD coursework and consent of instructor. Opportunity to become a clinical assistant to a graduate clinician providing treatment to a child or an adult with a communication disorder. May be repeated twice for credit. Graded CR/NC.

### • **COMD 450 - American Sign Language IV**

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(4)

Prerequisite: COMD 351. Continued study of American Sign Language with emphasis on expressive/conversational skills along with continued focus on grammatical and cultural features.

### • **COMD 451 - Psychosocial Considerations in Communication Disorders**

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(3)

Prerequisites: COMD 471, upper division standing or permission of instructor. Study of the impact of communication disorders on clients and families; focus on how communication disorders affect child-parent and spouse-spouse relationships and the necessity and methodology of using significant others as caregivers/helpers in the learning recovery process.

### • **COMD 452 - Communication Disorders of the Neurologically Handicapped and Nonverbal Child**

---

(3)

Prerequisite: COMD 170. Sensorimotor, cognitive and symbolic dysfunctions affecting speech-language of neurologically handicapped child, including cerebral palsy; habilitation in educational and clinical settings; alternate means of communication for the nonverbal child.

### • **COMD 454L,P - Selected Topics in Communication Disorders**

---

(1-4)

Prerequisite: Varies with topic. Current issues and interests of students in communication disorders and related disciplines as announced in Schedule of Classes. May be repeated to a maximum of 12 units of credit as subject matter changes.

- **COMD 456 - Development of Verbal Behavior in Childhood**  
(also listed as CHDV 492)

---

(4)

Prerequisites: Upper division standing and consent of instructor. Language acquisition in typically developing children from infancy through late childhood, with a focus on the development of phonology (sounds), lexicon (words), syntax and morphology (sentences) and communicative competence (language use).

- **COMD 457 - Communicating with Abused Children and Violent Families**

---

(4)

Maltreatment and children's communication development/dysfunction relative to social-emotional and cognitive development; communication demands in judicial, legal, and intervention processes; principles for interacting with and interviewing maltreated children.

- **COMD 458 - Research Methods in Communication Disorders**

---

(4)

Prerequisites: Upper division standing, COMD 170, 300, MATH/ECON 109. Methods of scientific inquiry in communication disorders including an overview of statistical procedures, basic research design, evaluating clinical data, and critiquing published clinical research.

- **COMD 460 - Advanced Language Development**

---

(4)

Prerequisite: COMD 456. Advanced study of language acquisition in children from birth to school age, including syntax, phonology, semantics, and pragmatics. Focus on models of language development and learning and language sampling.

- **COMD 461 - Descriptive Phonetics**

---

(4)

Prerequisite: Upper division standing or consent of instructor. Phonetic-phonemic analysis of language; study of physical and physiological bases of speech. Development of phonetic transcription skills with concentration on broad transcription and introduction to fine transcription.

- **COMD 462 - Anatomy and Physiology of the Speech Mechanism**

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(4)

Prerequisite: Upper division standing or consent of instructor. Anatomy and physiology of body structures employed in speech production with emphasis on respiration, phonation, resonance and articulation.

- **COMD 463 - Neuroscience of Communication**

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(4)

Prerequisite: COMD 462. Neuroanatomy and the neurophysiological processes involved in speech and language production.

- **COMD 471 - Speech-Language Pathology I: Language Disorders in Children and Adults**

---

(4)

Prerequisites: COMD 170, 460. Etiology and differential characteristics of language disorders in children and adults; broad overview of principles underlying assessment and treatment of individuals with language disorders.

- **COMD 472 - Speech-Language Pathology II: Fluency and Articulation/Phonological Disorders**

---

(4)

Prerequisites: COMD 461. Introduction to Fluency and Articulation / Phonological disorders. Description, etiology, phenomenology and introduction to assessment and treatment.

• **COMD 473 - Speech-Language Pathology III: Voice, Cleft Palate and Cerebral Palsy**

---

(4)

Prerequisite: COMD 463. Introduction to voice disorders and speech disorders related to cleft palate and cerebral palsy. Topics covered include phenomenology, etiology and introduction to assessment.

• **COMD 475 - Cultural/Linguistic Diversity in Communication Disorders**

---

(4)

Prerequisite: COMD 460. Theoretical considerations and application of current research in cultural/linguistic diversity and second language acquisition in the assessment and therapy of multilingual children and adults with speech-language disorders.

• **COMD 476 - Diagnostic Procedures in Communication Disorders**

---

(4)

Prerequisite: COMD 471. Introduction to diagnosis and evaluation theory, including specific testing procedures, methods, and materials, as they apply to human communication disorders. Multicultural considerations will be addressed.

• **COMD 478B - Speech-Language Pathology Assistant (SLPA) Practicum**

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(4)

Prerequisites: Grade of B or better in COMD 478A and 52 units of coursework in COMD with no grade less than C. For students interested in receiving a license to work as an SLPA. Experience as an SLPA in clinical/public school setting under the direction of credentialed or licensed speech-language pathologist. Eighty (80) hours of practicum required for State license. Graded CR/NC.

• **COMD 479 - Language, Speech and Hearing Services in the Public Schools**

---

(3)

Prerequisites: COMD 550, 551, 552, 553. Role of language, speech and hearing specialist in the public schools; development of instructional strategies for effective service delivery; implementation of appropriate techniques and procedures for students with various communication difficulties.

• **COMD 480 - Directed Teaching in Communication Disorders**

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(6 – 12)

Prerequisites: EDCI 300, directed teaching requirements, approval of COMD faculty. Supervised practicum in evaluation and treatment of speech, language, and hearing disorders in public school settings. Graded CR/NC. May be repeated for credit up to a maximum of 12 units.

• **COMD 481 - Directed Teaching in the Aphasia Classroom**

---

(6)

Prerequisite: Successful completion of one quarter of COMD 480 and COMD 490 and/or approval by appropriate department committee. Demonstration of competence in instructional skills in an aphasia classroom or special classroom for language disabled children. Graded CR/NC.

• **COMD 489 - Demonstration of Instructional Competencies**

---

(6)

Prerequisites: Successful completion of one quarter of COMD 480 and COMD 490 and/or approval by appropriate department committee. Demonstration of competence in instructional skills leading to completion of either 1) the Clinical Rehabilitative Services Credential in

Language, Speech and Hearing or 2) the Clinical Rehabilitative Services Credential in Language, Speech and Hearing with Special Class Authorization. Graded CR/NC.

- **COMD 490 - Directed Teaching Laboratory**

---

(1)

Corequisite: Must be taken concurrently with first quarter of COMD 480. Exploration of issues, research trends, and current practices pertinent to student teaching; provides guidance and support for students during externship assignment. May be repeated for credit up to a maximum of 3 units.

- **COMD 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly and final report submitted. May be repeated for credit up to a maximum of 6 units.

### **Communication Disorders (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 500-level courses.*

- **COMD 500 - Hearing Aids**

---

(4)

Prerequisites: COMD 400, 401, 402, 420. Electroacoustic characteristics of individual hearing aids and classroom amplification systems; assessment and fitting procedures; spectral analysis of hearing aids; troubleshooting hearing aids; room acoustics; practical experience included.

- **COMD 501 - Advanced Hearing Aids**

---

(4)

Prerequisite: COMD 500. Advanced amplification devices and fitting procedures; practical experiences in real-ear measurements and programmable hearing aids.

- **COMD 503 - Diagnostic Audiological Procedures**

---

(4)

Prerequisites: COMD 400, 401, 402. Advanced audiological theories, principles, and techniques; bone-conduction, effective masking, and immittance measurements for differentiating conductive from sensorineural hearing losses; laboratory projects included.

- **COMD 504 - Audiological Psychoacoustics**

---

(4)

Prerequisites: COMD 400, 401, 402. Relationships among acoustic stimulus parameters, aural physiological activities, and psychological sensations including loudness, pitch, adaptation, and different limens; laboratory projects with audiometric equipment included.

- **COMD 505 - Special Auditory Tests**

---

(4)

Prerequisite: COMD 503. Advanced audiological theories, principles, and techniques; psychoacoustic hearing tests for differentiating cochlear from retrocochlear lesions; practice in administering special tests and interpreting test results.

- **COMD 507 - Electrophysiological Tests**

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(4)

Prerequisite: COMD 504. Advanced audiological theories, principles and techniques; physiological tests for measuring brainstem responses to acoustic stimuli; practice with ABR equipment.

• **COMD 508 - Seminar: Vestibular Function Testing**

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(3)

Advanced audiological principles and techniques in the assessment of vestibular system function; anatomy, physiology, and pathologies of the vestibular system, and current diagnostic test measurement practices; practical experience included

• **COMD 510 - Seminar: Instrumentation and Hearing Conservation**

---

(4)

Prerequisites: COMD 400, 401, 402. Audiological instrumentation; calibration standards; calibration instruments and procedures for earphones, bone vibrators, loudspeakers, stimuli, practice calibrating audiometers; State and Federal noise regulations; hearing conservation; reverberation.

• **COMD 515 - Pediatric Audiology**

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(4)

Principles and techniques of evaluating hearing in the pediatric population; behavioral and electrophysiologic test procedures; hearing disorders unique to children; management of the hearing-impaired child.

• **COMD 520 - Seminar: Medical Aspects of Audiology**

---

(3)

Application of audiology in a medical environment; otologic diagnosis and treatment of diseases of the auditory and vestibular systems; clinical decision processes; medical history taking report writing and counseling aspects.

• **COMD 530 - Seminar: Current Topics in Audiology**

---

(3)

Prerequisites: COMD 400, 401, 402, & 420. Current topics in diagnostic and rehabilitative audiology. Different topics every year. May be repeated to maximum of 6 units.

• **COMD 541 - Intervention Procedures in Audiology**

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(4)

Corequisite: COMD 503. Practice in administering hearing tests, including air conduction, bone conduction, speech, and immittance testing, hearing aid programming and services; interpreting test results, and writing audiological reports before working with patients.

• **COMD 542 - Clinical Practicum in Audiology - Beginning**

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(2)

Prerequisite or Corequisite: COMD 541. Supervised beginning level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.

• **COMD 543 - Clinical Practicum in Audiology - Intermediate**

---

(2)

Prerequisite: COMD 542. Supervised intermediate level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.



- **COMD 544 - Clinical Practicum in Audiology - Advanced**

---

(2)

Prerequisite: COMD 543. Supervised advanced level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.

- **COMD 545 - Clinical Externship in Audiology**

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(2,2)

Prerequisite: B or better in COMD 544. Advanced supervised clinical experience in off-campus sites. May be repeated to maximum of 8 units.




- **COMD 549 - Central Auditory Processing Disorders (CAPD)**

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(3)

Central auditory processing skills and their relationship to language, learning and behavior. The nature of CAPD and issues in the evaluation, diagnosis and treatment of these disorders.

## Course Descriptions

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### Communication Disorders (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 500-level courses.

#### • **COMD 550 - Fluency Disorders**

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(4)

Prerequisite: Graduate standing or permission of instructor. Theory, research, and methodology in assessment and treatment of various fluency disorders including stuttering in children and adults.

#### • **COMD 551 - Language Disorders in Children**

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(4)

Prerequisite: Graduate standing or permission of instructor. Theory, research, and methodology in assessment of and intervention in various kinds of language disorders in children; multiethnic, multicultural considerations.

#### • **COMD 552 - Voice Disorders**

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(4)

Prerequisite: Graduate standing or permission of instructor. Theory, research, methodology in diagnosis and treatment of various kinds of functional and organic voice disorders.

#### • **COMD 553 - Articulation and Phonological Disorders**

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(4)

Prerequisite: Graduate standing or permission of instructor. Theory, research, methodology in assessing and intervening in various kinds of articulation and phonological disorders.

#### • **COMD 554 - Neurolinguistic Language Disorders in Adults**

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(4)

Prerequisite: Graduate standing or permission of instructor. Etiology, phenomenology, diagnosis and treatment of neurologically caused language disorders in adults, focusing on aphasia, dementia, and right hemisphere disorders.

#### • **COMD 555 - Motor Speech Disorders**

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(4)

Prerequisites: Graduate standing or permission of instructor. Etiology, phenomenology, diagnosis and treatment of neurologically caused motor speech disorders, focusing on dysarthria and apraxia.

#### • **COMD 557 - Dysphagia**

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(4)

Prerequisites: Graduate standing or permission of instructor. Evaluation and treatment of swallowing disorders including those associated with neurological and oncological problems in children and adults.

• **COMD 560 - Seminar: Current Topics in Language**

---

(3)

Prerequisite: Graduate standing or permission of instructor. Selected topics in language development and disorders with emphasis on current issues and /or advanced study. May be repeated to maximum of 6 units.

• **COMD 562 - Seminar: Current Topics in Speech**

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(3)

Prerequisites: Graduate standing or permission of instructor. Selected topics in speech development and disorders with emphasis on current issues and/or advanced study. May be repeated to a maximum of 6 units.

• **COMD 565 - Curriculum Considerations for Alternative Service Delivery or Speech and Language Services**

---

(4)

Prerequisites: COMD 550, 551, 553. In depth study of speech and language skills needed for social/academic success. Current principles, methods and materials for assessing and remediating speech and language deficits using a curricularbased or inclusion approach.

• **COMD 575 - Intervention Procedures in Speech-Language Pathology**

---

(4)

Prerequisites; Graduate standing or permission of instructor. Study of the science of human behavior and how it relates to the therapy process for persons with communication disorders.

• **COMD 576 - Advanced Diagnostic Procedures in Communication Disorders**

---

(3)

Prerequisite: Graduate standing or permission of instructor. Statistical underpinnings of test construction/design; issues of validity, reliability, norms and use of scores with emphasis on development of ability to evaluate tests, testing practices and effects of test use.

• **COMD 577 - Evaluation Practicum in Speech-Language Pathology**

---

(1, 1, 1)

Prerequisite: Graduate standing or permission of instructor. Supervised clinical experience in evaluation of individuals with communication disorders. Must be taken 3 times and may be repeated a fourth time for credit. Graded CR/NC.

• **COMD 579 - Clinical Practicum in Speech-Language Pathology - Beginning**

---

(2)

Prerequisites: COMD 476; graduate standing or permission of instructor; satisfaction of department standards. Supervised beginning level clinical experience with communicatively handicapped children and adults. May be repeated once for credit.

• **COMD 580 - Clinical Practicum in Speech-Language Pathology - Intermediate**

---

(2)

Prerequisites: COMD 579; satisfaction of department standards. Supervised intermediate level clinical experience with communicatively handicapped children and adults. May be repeated once for credit.

- **COMD 581 - Clinical Practicum in Speech-Language Pathology – Advanced**

---

(2)

Prerequisites: COMD 580; satisfaction of department standards. Supervised advanced level clinical experience with communicatively handicapped children and adults. May be repeated once for credit.

- **COMD 582 - Clinical Externship in Speech Language Pathology**

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(2,2 or 4)

Prerequisite: B or better in COMD 581. Medical-Center based externship consisting of assessment and intervention of individuals having impairments in speech, language, hearing, swallowing, cognition, and communication modalities due to various neurological etiologies. Graded CR/NC. May be repeated UP to 8 units.

- **COMD 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **COMD 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **COMD 599 - Thesis**

---

(1–6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic before registration. Independent research resulting in a thesis; oral defense of thesis required. May be repeated to maximum of 6 units. Graded CR/NC.

### **Communication (Undergraduate)**

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 431, 499

- **COMD 478A - Speech-Language Pathology Assistant (SLPA) Pedagogy**

---

(4)

Prerequisite: Forty-eight units of coursework in COMD with no grade less than C. For students interested in receiving SLPA license. Practices/procedures relevant to provision of services consistent with scope of practice as an SLPA. Laws /ethics governing the use of SLPA's in California.

- **COMM 094 - Mainstream American Dialect**

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(4)

Sounds, intonation, and rhythm of mainstream American dialect to modify student's own accent and pronunciation. (Limited to students whose dialects are not standard American English.) Graded CR/NC. No credit toward baccalaureate.

- **COMM 130 - Introduction to Human Communication**

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(4)

Overview of human communication across contexts. Introduction to Communication as a discipline; survey of areas and methods comprising the field.

## • **COMM 150 - Oral Communication**

---

(4)

Introduction to effective oral communication through study and experience in analysis, synthesis, and presentation of informative and persuasive discourse in a public speaking forum.

\*C-ID COMM 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE A2 COMM 150 is prerequisite to all Communication major courses with numbers 300 and higher.**

## • **COMM 151 - Speech Proficiency Assessment for Teachers**

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(1)

Review of theory and practice of public speaking for classroom teachers. Workshop and assessment of speaking skills. Open only to students currently or previously enrolled in EDCI 300. Graded CR/NC.

## • **COMM 176 - Argumentation**

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(4)

Principles of argumentation: reasoned discourse, methods of logical analysis and reflective thinking, practical application through adaptation of materials to audience situations, argumentative speech, kinds and forms of debate about current issues.

\*C-ID COMM 120

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE A3**

## • **COMM 230 - Communication Strategies in Conflict Management**

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(4)

This course examines the communication theories and strategies underlying the nature of conflict in contemporary society. Provides students with the necessary skills to effectively manage conflict.

**GE E**

## • **COMM 267 - Introduction to Oral Interpretation**

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(4)

Study of communicative dimensions of literature through analysis and performance.

## • **COMM 268 - Group Performance Practicum**

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(2)

Lecture-workshop in ensemble performance of literature. Techniques of chamber theatre, reader's theatre, story theatre production and script adaptation. May be repeated to maximum of 8 units.

## • **COMM 275 - Interpersonal Communication**

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(4)

Introductory study of interpersonal communication; verbal and nonverbal communication in face-to-face interaction; how individuals assume roles as message senders, receivers; interpersonal perception and adaptation; barriers to interpersonal communication.

\*C-ID COMM 130

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **COMM 276 - Argumentation and Reasoned Advocacy**

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(4)

Prerequisites: COMM 150 and COMM 176. Principles of reasoned advocacy: practical application of argumentation through creation and adaptation of reasoned appeals to audience situations.

## • **COMM 277 - Forensics**

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(2)

Introductory workshop in intercollegiate forensic activities. Maybe repeated to maximum of 12 units. Graded CR/NC.

## • **COMM 278 - Problem Solving through Group Discussion**

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(4)

Principles of decision-making and interaction in group communication situations, development of discussion, participation, and leadership skills for business, school, and community.

\*C-ID COMM 140

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **COMM 290 - Mediated Communication**

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(4)

Prerequisite: COMM 130 or permission of instructor. Introduction to mediated communication technologies, including internet, databases, and emerging technologies. Emphasis on critical, analytical assessment of technologies' effects on intercultural, public and interpersonal communication

## • **COMM 300 - Applied Writing in Communication Studies** (also listed as TVF 300)

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(4)

Prerequisites: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR); for Broadcasting majors, TVF 224; upper division standing. Writing practicum in historical, critical, and empirical approaches to communication and media studies; emphasizing language usage in description, exposition, narration, and persuasion; techniques include observation, editing, and criticism.

## • **COMM 330 - Organizational Studies**

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(4)

Analysis of organizational communication; classical and contemporary theories, practices, and processes in organizational communication. Major communication themes, metaphors, and issues of the contemporary workplace. May include service learning option.

## • **COMM 340 - Interviewing**

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(4)

Dyadic communication in formal and informal settings. Understanding of informative, persuasive, medical, journalistic, legal, and employment interviews.

- **COMM 342 - Rights and Justice in Communication and Politics**  
(also listed as POLS 342)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Freedom of communication, political rights, diversity, and justice. The evolution of these rights in the United States; analysis of contemporary problems, global implications, and potential solutions in our multicultural world. Some sections of this course will be offered online.

**GE Theme H ; Approved diversity course**

- **COMM 367 - Performance Studies**

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(4)

Prerequisite: COMM 267 or 277 or 377 or permission of instructor. Performance as a paradigm for understanding text and behavior. Analysis and performance of literature, cultural performance, and performance art included with emphasis on in-class performance and fieldwork.

- **COMM 370 - Business and Professional Communications**

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(4)

Study and application of theories of communication in business contexts and situations. Topics include: dyadic, group, organizational, public, and mediated communication interactions, interviews, and presentations.

- **COMM 371 - Persuasive Communication**

---

(4)

Study and application of rhetorical and social-psychological principles of persuasion. Consideration of attitude change models and behavioral studies of variables affecting persuasion. Opportunity for preparation and criticism of persuasive discourse.

- **COMM 372 - Media, Communication and the Environment**

---

(4)

Prerequisites: Completion of the Basic Subjects (Block A) and one course from Block D. The global environment as represented in mass media and communication; the interaction of the individual and the popular press, public communication, and film; effectiveness of public environmental communication campaign.

- **COMM 377 - Advanced Forensics**

---

(2)

Prerequisite: COMM 277 Faculty supervised workshop preparing for University-sponsored speech activities, including speech and debate tournaments. May be repeated to maximum of 12 units.

- **COMM 380 - Introduction to Rhetorical Studies**

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(4)

Prerequisite: COMM 150. Introduction to the study of rhetoric and rhetorical theory. Study of the nature, function and scope of rhetoric emphasized.

- **COMM 385 - Sex and Gender in Language and Literature**  
(also listed as ENGL 385)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Analysis of concepts of sex, gender as experienced in language and literature. Comparative language behavior of women and men as revealed in research on communication and in representative literary works, both classical and modern.

GE Theme C ; Approved diversity course

• **COMM 389 - Intercultural Communication in the Urban Environment**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Processes, problem of intercultural communication in multi-cultural, multiethnic urban environments. Focus on comparative cultural analyses, impact of social, gender, political, economic, interpersonal forces on intercultural interaction in urban life.

GE Theme D ; Approved diversity course

• **COMM 390 - Technology and Human Interaction**  
(also listed as MSCM 390)

---

(4)

Prerequisite: COMM 290 or TVF 220 or permission of instructor. Comparison of new communication technologies with other forms of interaction. Attention given to interactive roles and effects of technologies on interpersonal, public, and intercultural communication.

• **COMM 395 - Sociocultural Impact of Globalization for the Developing World**  
(Also listed as LBS 395)

---

(4)

Prerequisites: Completion of the lower division GE Basic Subjects and at least one course each from Blocks B, C, and D. Critical examination of globalization and its economic, political, and sociocultural challenges for the developing world. Emphasis on globalizing institutions, transborder flows, international communication, social change, and cultural identity.

GE Theme A

• **COMM 396 - Publicity and Promotions**

---

(4)

Prerequisite: COMM 300 or equivalent. Methods, planning and tools used in developing company, community and institutional public relations programs. Focuses on publicity and promotional techniques, media relations, copy preparation, news releases, and publications.

• **COMM 420 - Human Side of Computers and Information Technology**

---

(4)

Computers and information technology studied as part of the larger culture through critical analyses and focus on the human communications, aesthetic, ethical, pedagogical, social, cultural, cognitive, educational, policy and historical issues involved. (Cross-listed with EDIT 420)

• **COMM 430 - Dynamics of Organizational Communication**

---

(4)

Prerequisite: COMM 330. How global competition, social phenomena, new philosophies, new technologies, and metaphors for looking at organizations shape the dynamic landscape of organizations and affect the way people communicate and conduct business.

• **COMM 431 - Internship in Organizational Communication**

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(4)

Prerequisite: COMM 430. organizations under academic supervision; emphasis on student intern's ability to diagnose and solve organizational communication problems. May be repeated once for credit.

• **COMM 435 - Communication and Leadership**

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(4)

Prerequisite: COMM 330 or permission of instructor. Review theories of communication leadership. Emphasis on the study of communication skills central to performing successfully as a leader in a variety of organizational contexts.



- **COMM 440 - Relational Communication**

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(4)

Prerequisite: COMM 275. Analysis of current theory and research on communication in intimate and personal relationships; how individuals develop and maintain relationships; how gender, culture and social context affect communication in interpersonal interactions.

- **COMM 450 - Communication Theory**

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(4)

Survey and analysis of behaviorally oriented theories and their variables in the communication process.

- **COMM 454 - Selected Studies in Communication**

---

(1–4)

Prerequisites: Varies with topic; see Schedule of Classes for specific prerequisites. Intensive study of selected topics in communication. May be repeated to a maximum of 12 units for credit as subject matter changes.

- **COMM 459 - Intercultural Business Communication**

---

(also listed under MKT 459)

(4)

Prerequisite: MGMT 301 or COMM 300. Analytical approach to understanding cultures in order to do business effectively. Steps in achieving intercultural communication competence, framework for understanding cultures, nonverbal communication, document organization from cultural priorities, and negotiation.

- **COMM 462 - Nonverbal Communication**

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(4)

Body motion, eye and facial behavior, paralanguage, touch, proxemics, physical characteristics, artifacts and environmental factors as they affect communicative exchanges.

- **COMM 463 - Language and Communication Behavior**

---

(4)

Nature, origin, and use of speech and language in social, cultural, symbolic, and functional contexts; investigation and analysis of discourse and behavioral effects; significance of communication competence.

- **COMM 467 - Theory and Method in Performance Studies**

---

(also listed as TAD 467)

(4)

Prerequisite: Upper division course in COMM, TA or DANC. Introduction to major theoretical perspectives in performance studies and to key methodologies for investigating performance in/as culture. Central concepts include social drama and performance ethnography.

- **COMM 468 - Performance and Social Change**

---

(also listed as TAD 468)

(4)

Prerequisite: COMM 367 or 467 or upper division theory course in TA, DANC or rhetoric. Aesthetic, pedagogical underpinnings of performance and social change. Relationships between performance and liberation in avant garde works and across cultures. Theoretical and pragmatic concerns as these emerge in production.

- **COMM 470 - Theories of Rhetoric: Survey and Analysis**

---

(4)

Prerequisite: Upper division standing. Principal theories of rhetoric from classical Greece to the modern period; historical perspectives on communication and social influence; impact of changing political, psychological, sociological, and technological contexts.

- **COMM 471 - Rhetoric and Religion**

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(4)

Prerequisite: COMM 380 or permission of instructor. Relationship between rhetoric and religion in traditional and contemporary rhetorical theory. Course evaluates rhetorical and public discourse dealing with religion, and religious discourse dealing with rhetoric.

- **COMM 473 - Rhetoric and Social Controversy**

---

(4)

Prerequisite: COMM 380 or permission of instructor. Analysis of rhetorical problems associated with social controversies. The nature, forms, stages and roles of social controversies are examined through the study of rhetorical public discourse in the political process.

- **COMM 474 - Studies in National and International Public Discourse**

---

(4)

Prerequisite: One COMM course. Analysis and evaluation of national and/or international discursive rhetoric; some focus on great speeches and speakers; emphasizes diversity of communicative expression in social, political, and cultural movements and campaigns.

- **COMM 475 - Feminism and Communication**

---

(4)

Prerequisites: COMM 330, COMM 367 or permission of instructor. Survey of critical perspectives on gender in communication. Particular attention is paid to social construction of gender and sexuality.

- **COMM 477 - Qualitative Methods in Communication**

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(4)

Prerequisites: COMM 380 or 330 or 367. Survey of qualitative communication research methods; critical analysis of representative studies; research proposal writing for qualitative projects. May include service learning (optional).

- **COMM 478 - Group Communication: Dynamics of Leadership and Participation**

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(4)

Prerequisite: A course in group discussion. Advanced study of communication processes in small groups and effects of leadership and participation; development of communication sensitivity.

- **COMM 479 - Sex Roles in Communication**

---

(4)

Sex as a variable influencing human communication in dyads, small groups, organizations, families; speaker-audience interaction; male-female differences in use of language, and nonverbal behavior.

- **COMM 482 - Rhetorical Theory: Contemporary Developments**

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(4)

Prerequisite: COMM 470. Survey of contemporary theories of rhetoric and communication.

- **COMM 483 - Campaign Communication**

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(4)

Prerequisite: COMM 380 or permission of instructor. Variable content course focusing on contemporary campaigns. Strategies of communication in American political campaigns including public discourse and media coverage. May be repeated to 8 units as content changes.

- **COMM 484 - Political Communication**

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(4)

Prerequisite: COMM 380 or permission of the instructor. Analysis and evaluation of political communication from the perspectives of contemporary rhetorical theory and cultural theory. Political communication theorized through the analysis of case studies.

- **COMM 485 - Rhetorical Criticism**

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(4)

Prerequisite: One COMM course. Nature and function of rhetorical criticism; survey of approaches, theories, and systems of rhetorical analysis from classical to contemporary. Practice in critical appraisal of various types of communication.

- **COMM 486 - Communication and Cultural Studies**

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(4)

Prerequisite: Upper division course in Communication Studies. Survey of history, primary texts, and representative studies in cultural studies. Emphasis on cultural studies of media, technology, and communication.

- **COMM 487 - Quantitative Research Methods in Communication**

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(4)

Prerequisite: Upper division standing. Introduction to methodology of experimental research and critical analysis of representative studies in communication.

- **COMM 489 - Intercultural Communication**

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(4)

Description and analysis of cultural influences on human communication acts; codes and paralinguistic elements; focus on communication between cultures in an urban setting.

- **COMM 490 - Studies in Children's Speech Arts**

---

(4)

Theory and criticism of creative dramatics, choric interpretation and storytelling.

- **COMM 491 - Instructional Theories in Communication**

---

(4)

Prerequisites: Senior standing, 20 units of upper division COMM courses. Principles of communication in educational settings, literary study, survey, critical review, and application of contemporary theories and trends in instructional communication.

- **COMM 492 - Communication Training in Organizations**

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(4)

Prerequisite: COMM 330 or permission of instructor. Study of communication training and development process. Application of organizational

communication theories through organizational assessment, creation of training objectives and evaluation of training programs.

- **COMM 494 - Communication Behavior in Childhood**  
(also listed as CHDV 492)

---

(4)

Prerequisites: Completion of CHDV 200 with a grade of C or better, or by consent of instructor. Oral language and communicative behavior in children; studies in speech and language experiences basic to development of communication skills competence.

- **COMM 495 - Principles and Practices of Public Relations**

---

(4)

Prerequisite: COMM 300 or equivalent. Fundamentals of theory and application for the public relations profession, with emphasis on the dynamics of organizational communication as it pertains to community relations, the media, public opinion, and the political environment.

- **COMM 497 - Managing Problems in Public Relations**

---

(4)

Advanced study of public relations issues, with emphasis on contemporary problems faced by business organizations and other institutions. Analysis of case studies in public relation problems and crisis management.

- **COMM 498 - Capstone in Communication**

---

(4)

Prerequisite: Senior standing within the last 20 units before graduation and consent of instructor. This capstone course synthesizes the subfields of communication and assesses students' achievement of its foundational knowledge (basic theoretical and methodological understanding) culminating in a senior thesis in which students focus on a central theme taught in the course.

- **COMM 499 - Undergraduate Directed Study**

---

(1-4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated to a maximum of 12 units for credit.

### **Communication (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 431, 499*

*Classified graduate standing is required for admission to all 500-level courses*

- **COMS 500 - Graduate Scholarship in Communication Studies**

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(4)

Seminar examining current foci in the fields of Communication Studies. Designed to investigate directions or advanced inquiry within the discipline.

- **COMS 501 - Seminar: Research Methods in Telecommunications and Film**

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(4)

Prerequisite/Corequisite: COMS 500. Investigation of conceptual and procedural aspects of quantitative and qualitative research techniques relevant to the advanced study of mass media.

- **COMS 502 - Seminar in Quantitative Communication Research Methods**

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(4)

Prerequisites: COMS 500, undergraduate statistics or quantitative research methods course. Quantitative research design and analysis in communication research. Emphasis on research design, sampling, descriptive and inferential statistics in analysis, and presenting findings.

• **COMS 503 - Seminar in Qualitative Communication Research Methods**

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(4)

Prerequisite: COMS 500. This seminar presents qualitative/interpretive research methodologies used in Communication Studies and prepares students for designing, completing, and evaluating qualitative projects.

• **COMS 505 - Seminar: Media Theory and Criticism**

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(4)

Survey of film theory and criticism from the classic theorists and critics to contemporary issues and debates.

• **COMS 506 - Seminar: Television Studies**

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(4)

Critical and historical examination of American television focusing on methods and issues relating to scholarship in the field.

• **COMS 507 - Seminar: Post World War II Film and Television History**

---

(4)

Prerequisite: COMS 501. Variable topic seminar on seminal issues in film and television history since World War II. May be repeated to a maximum of 8 units.

• **COMS 508 - Media Arts, Theatre & Society**  
(also listed as TVFT 508)

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(4)

Historical and current relationship between media arts, theatre and society. Study scholars and practitioners who address questions regarding contemporary roles, potentials and impacts of these arts and professions.

• **COMS 509 - Entertainment Industry Practices**  
(also listed at TVFT 509)

---

(4)

Prerequisite: TA 500 or COMS 500. This course acquaints students with the structures of television, film and theatre industries as well as the positions, responsibilities, of those involved in the development and execution of production.

• **COMS 510 - Seminar: Narrative Studies in Film and Television**

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(4)

Prerequisites: COMS 501, COMS 505. Examination of theories, structures, and procedures of narrative in film and television.

• **COMS 515 - Seminar: Cultural Studies**

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(4)

An examination of the history, theories and scholarship of cultural studies, with a particular focus on popular culture as a site of social power dynamics and contestation. May be repeated to a maximum of 8 units.

• **COMS 520 - Seminar: Documentary Film and Television**

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(4)

Prerequisite: COMS 500. Examination of the theory and practice of documentary as narrative, information, education, catalyst for social maintenance and change.

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- **COMS 530 - Seminar: Organizational Communication**

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(4)

Prerequisites: COMM 430, 450, 463, or 478. Contemporary theoretical and methodological issues or constructs in organizational communication. May be repeated to maximum of 8 units with adviser approval.

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- **COMS 540 - Seminar: Interpersonal Communication**

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(4)

Prerequisites: COMM 450, 478, or 487. Contemporary theoretical and methodological issues and constructs in interpersonal communication. May be repeated to maximum of 8 units with adviser approval.

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- **COMS 550 - Seminar: Communication Theory**

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(4)

Prerequisite: COMM 450 or 487. Examination of theoretical perspectives, principles of theory building, and new developments in communication research. May be repeated to maximum of 8 units with adviser approval.

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- **COMS 554 - Selected Topics in Communication Studies**




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(1–4)

Prerequisite: Varies with topic; see Schedule of Classes. Intensive study of selected topics in communication studies. May be repeated for credit as topic changes.

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## Course Descriptions

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### Communication (Graduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 431, 499

Classified graduate standing is required for admission to all 500-level courses

- **COMS 560 - Seminar: Language and Communication Behavior**

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(4)

Prerequisite: COMM 450, 463, or 494. Contemporary theories, research perspectives, and subject areas in language and communication behavior. May be repeated to maximum of 8 units with adviser approval.

- **COMS 562 - Seminar: Theories of Mass Media**

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(4)

Prerequisite: COMM 450 or 470 or 482. Research and theory in mass media since television; analysis of media situations, messages and ideological effects. May be repeated once with adviser approval.

- **COMS 564 - Seminar: Adaptation**

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(4)

Prerequisite: COMS 510. Examination of the process of screen and television adaptation. Study of theories of the cinematic and televisual as pertaining to translations of literary and theatrical narrative, character, and space.

- **COMS 565 - Seminar: Feature Film Writing**

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(4)

Prerequisites: TVF 465; COMS 510. The study and practice of feature film writing using close readings of professional and student screenplays. Discussion of screenwriting career planning. May be repeated once for credit with adviser approval.

- **COMS 566 - Seminar: Narrative Television Writing**

---

(4)

Prerequisites: TVF 465; COMS 510. The study and practice of television writing using close readings of professional and student teleplays. Discussion of television screenwriting and career planning. May be repeated once for credit with adviser approval.

- **COMS 567 - Seminar: Theories of Oral Interpretation**

---

(4)

Prerequisite: COMM 367. Analysis of main theories of art of interpretation, with special emphasis on their bearing on contemporary theory and practice. May be repeated once for credit with adviser approval.

- **COMS 572 - Seminar: International Public Discourse**

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(4)

Prerequisites: COMM 472, 485. Intensive study of major international orators, their ideas, style, rhetorical strategies and roles in social and aesthetic movements and in world history. May be repeated once for credit with adviser approval.

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• **COMS 573 - Seminar: American Public Address**

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(4)

Prerequisites: COMM 473A or 473B; 485. Examination and analysis of speeches and debates about selected major issues in American affairs. May be repeated once for credit with adviser approval.

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• **COMS 576 - Seminar: Argumentation, Discussion, and Debate**

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(4)

Prerequisite: One upper division course in rhetorical theory. Analysis of significant literature, major trends, and theories of argumentation, discussion, and debate; intensive study of relationship of those areas to each other. May be repeated once for credit with adviser approval.

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• **COMS 580 - Seminar: Rhetorical Studies**

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(4)

Prerequisite: At least one upper division course in rhetoric. Selected studies in rhetorical theory and criticism in classical and contemporary contexts. focus on the history and practice of rhetorical communication and its influence in politics, culture, and society.

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• **COMS 589 - Seminar: Intercultural Communication**

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(4)

Prerequisite: COMM 489. Contemporary theories, research perspectives and significant cultural influences relating to communication between cultures. May be repeated once for credit with adviser approval.

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• **COMS 591 - Seminar in Instructional Communication**

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(4)

Theories of instructional communication with an emphasis on instructional communication theories and applying principles of instructional communication in higher education settings.

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• **COMS 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

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• **COMS 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated for credit.

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• **COMS 599 - Thesis**

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(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 6 units. Graded CR/NC.

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• **COMS 599S - Script Thesis**



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(1–6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, department approval of topic prior to registration. Independent research and writing resulting in an original screen or teleplay and analytical report. Oral examination on script and report required. May be repeated to maximum of 6 units. Graded CR/NC.

## Computer Science (Undergraduate)

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### • **CS 101 - Introduction to Higher Education for Computer Science Majors**

(2)

Exploration of skills and resources that will help students to obtain a baccalaureate degree in the Department of computer Science. This course must be taken once during the first two quarters at Cal State L.A.. Graded CR/NC. NIS Account Required.

---

### • **CS 120 - Introduction to Website Development**

(3)

Prerequisite: Computer Literacy. Development of client-side web pages using hypertext markup language ([d][x]html), Cascading Style Sheets (CSS). Javascript, and computer animation software. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

---

### • **CS 122 - Using Relational Databases and SQL**

(3)

Prerequisite: Computer literacy. An introduction to relational databases and the SQL query language. Database modeling as collection of objects and their relationships; Entity relationship model. SQL as a query language. Grouping and other advanced queries. Lecture 2 hours, laboratory 3 hours. Graded ABC/ NC.

---

### • **CS 160 - Introduction to Computers**

(3)

Prerequisite: GE mathematics requirement. History of computers; hardware, software including data base systems, word processors, spreadsheets, programming languages; social and ethical implications. Lecture 2 hours, laboratory 3 hours. Offered CR/NC only.

---

### • **CS 190 - BASIC Programming**

(2)

Prerequisite: One year of high school algebra. Introduction to computer programming using BASIC language. Applications will assume a minimal mathematics background. Does not fulfill mathematics major requirement. Lecture 1 hour, laboratory 3 hours.

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### • **CS 201 - Introduction to Programming**

(5)

Prerequisite: MATH 104B or consent of the instructor. Algorithm development for structured programming; designing, coding, debugging, and documenting programs. Laboratory activities on problem analysis and software development. Lecture 4 hours, laboratory 3 hours. Graded ABC/ NC

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### • **CS 202 - Introduction to Object Oriented Programming**

(5)

Prerequisite: CS 201, recommended: MATH 206. Algorithm development for Object Oriented Programming; designing, coding, and documenting programs. Laboratory activities on problem analysis and software development. Lecture 4 hours, laboratory 3 hours. Graded ABC/NC

## **CS 203 - Programming with Data Structures**

---

(5)

Prerequisite: CS 202, recommended: MATH 207, MATH 248. Advanced programming techniques; elementary data structures such as dynamic arrays, linked lists, stacks, queues, and trees, sorting and searching algorithms. Laboratory activities on problem analysis and software development. (Lecture 4 hours, laboratory 3 hours) Graded ABC/ NC

## **• CS 242 - C Programming**

---

(4)

Prerequisites: MATH 104B or consent of the instructor. Introduction to program design and problem solving using the C programming language. Programming topics include control structures, functions, arrays, pointers, and file I/O.

## **• CS 245 - Introduction to Computer Organization, Operating Systems and Networks**

---

(3)

Prerequisite: CS 202. Essential information about computer organization, operating systems and computer networks for programmers. Topics include: computer organization, data representation, the Windows/UNIX/LINUX operating system; and computer networks. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC

## **• CS 290 - Introduction to FORTRAN Programming**

---

(2)

Prerequisite: MATH 206. Elementary computer programming using FORTRAN language. Lecture 1 hour, laboratory 3 hours. No credit toward Computer Science major.

## **• CS 301 - Computer Ethics in the Information Age**

---

(1)

Prerequisite: CS 203. Responsibilities of computer scientists as influenced by growth in computer use and networks. Professional and Ethical Responsibilities; Intellectual Property; Piracy, Hacking, Viruses, Liability, Privacy, Crime, and Civil liberties. Graded ABC/ NC.

## **• CS 312 - Data Structures and Algorithms**

---

(4)

Prerequisites: CS 203, MATH 208, MATH 248. Methods for the design and analysis of correct and efficient computer algorithms and advanced data structures. Applications to classical problems of searching, sorting, graph optimization and combinatorial optimization.

## **• CS 320 - Web and Internet Programming**

---

(3)

Prerequisites: CS120, CS 122, CS 203. Server-side internet programming. Development of full-fledged Internet enterprise services and applications. Laboratory activities on application development (Lecture 2 hours, laboratory 3 hours).

## **• CS 332C - Object-Oriented Programming with C++**

---

(2)

Prerequisite: CS 203. Breadth and depth of C++ programming concepts; control statements, functions, pointers, classes, application development using the object-oriented paradigm. Advanced topics such as I/O, templates, exception handling, Standard Template Library (STL).

## **• CS 332F - Functional Programming**

---

(2)

Prerequisite: CS 203. Programming in functional nonprocedural programming language such as Haskell. Programming in a language (a) in which functions are values, (b) without assignments, (c) with very strong typing, (d) with lazy evaluation, and with other features common to the functional programming paradigm.

## • **CS 332L - Logic Programming**

---

(2)

Prerequisite: CS 203. Programming in a non-procedural logic programming language such as Prolog. Programming in a language that supports unification and backtracking and in which the execution of a program is the search for values that satisfy a declarative specification.

## • **CS 337 - Software Design**

---

(3)

Prerequisite: CS 203. Methodologies and tools for requirements analysis and design of large complex software system; Process models, project planning, tracking, documentation, communication, and quality assurance; group laboratory project; oral and written presentations. Lecture 2 hours, laboratory 3 hours.

## • **CS 340 - Assembly Language and Systems Programming**

---

(4)

Prerequisite: CS 245. Assembly language; addressing techniques; subroutines; macros; system input/output; interrupts and traps; assemblers; linkers; loaders; macroprocessors.

## • **CS 342 - Object Oriented Programming Using C++**

---

(4)

Prerequisite: CS 242. Concepts and techniques of object-oriented programming; structured design and modular construction; use of C to demonstrate structured programming; use of C++ to demonstrate fundamentals of object-oriented programming.

## • **CS 345 - UNIX and Shell Programming**

---

(4)

Prerequisites: CS 203. A theoretical and practical study of the UNIX operating system and shell programming. Topics: Shell commands and utilities, UNIX file system, UNIX shells, UNIX \ graphical user interfaces, and shell programming.

## • **CS 370 - Parallel and Distributed Programming**

---

(4)

Prerequisites: CS 203, CS 245. Parallel programming techniques; abstract models of hardware and operating systems to support parallel programs.

## • **CS 386 - Introduction to Automata Theory**

---

(4)

Prerequisites: CS 202 and MATH 248. Formal approach to automata theory; finite state machines, regular expressions, regular languages. Develops mathematical foundation for computer science.

## • **CS 398 - Cooperative Education**

---

(1–4)

Prerequisites: Courses appropriate to the work experience: approval by major department Computer Science coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units.

- **CS 420 - Web Applications Architecture**

---

(4 units)

Prerequisite: CS320. Covers architectural considerations, design patterns, and implementation techniques in the development of enterprise web applications, as well as technologies that address productivity, stability, flexibility, scalability, and security.

- **CS 422 - Principles of Data Base Systems**

---

(4)

Prerequisites: CS 122, and 312. Normal forms, database system architecture, query optimization, file structures, transaction management, data warehouses, object-oriented databases, databases for e-commerce.

- **CS 437 - Software Engineering**

---

(5)

Prerequisites: CS 312, CS 337 and completion of the GVAR. Methodologies and tools for the development, implementation, integration, testing, evaluation, and maintenance of software systems. Software quality assurance; ethical issues in software development. Group laboratory project and oral and written presentations. This course satisfies the upper division writing requirement. Lecture 4 hours, laboratory 3 hours.

- **CS 440 - Introduction to Operating Systems**

---

(4)

Prerequisites: CS 245, 312. Resource, memory and process management; concurrent processing; networking and distributed systems.

- **CS 447 - Computer Networks Configuration and Management**

---

(4)

Prerequisite: CS 440. Network topology, architecture, and related software. Topics covered include designing a LAN and an internetwork, developing access lists, configuring routing protocols, customize switch configurations and manage device configurations.

- **CS 450 - Foundations of Computer Graphics**

---

(5)

Prerequisites: CS 203, MATH 208, AND MATH 255. Programming in object oriented graphics environment implementing primitive operations in two and three dimensions. Image modeling using affine transformations, polygonal meshes and other topics. Lecture 4 hours, laboratory 3 hours.

- **CS 451 - Multimedia Software Systems**

---

(4)

Prerequisite: CS312 or CS 342. Introduction to multimedia information and processing. Topics: basic signal processing, color, space, formations of image, video, and audio data. Current standards and the state-of-the-art techniques for multimedia systems. Lecture 4 hours.

- **CS 454 - Topics in Advanced Computer Science**

---

(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest to students in computer science, as announced in Schedule of Classes. May be repeated to a maximum of 20 units of credit as topic changes.

- **CS 460 - Artificial Intelligence**

---

(4)

Prerequisite: CS 312. Knowledge representation; problem solving strategies and search algorithms; applications from such areas as theorem proving, expert systems, natural language processing, robotics, and pattern recognition.

## • **CS 461 - Machine Learning**

---

(4)

Prerequisite: CS 312. Means that enable computers to perform tasks for which they were not explicitly programmed; learning paradigms include inductive generalization for examples, genetic algorithms, and connectionist systems such as neural nets.

## • **CS 470 - Computer Networking Protocols**

---

(4)

Prerequisite: CS 245, 312. Study of computer network layered architecture and protocols. Topics to be covered include: network architecture, data link layer, addressing, LAN, network layer, transport layer and network applications.

## • **CS 480 - Cryptography and Information Security**

---

(4)

Prerequisites: CS 245 and CS 312. This course covers both principles and practice of cryptography and information security. Topics covered include basic concepts of cryptology, classical ciphers, modern symmetric ciphers (DES, IDEA, RC5), Advanced Encryption Standard (AES), public key cryptography, data integrity and digital signature schemes.

## • **CS 486 - Computability and Intractability**

---

(4)

Prerequisite: CS 386. Theory of Computing; nondeterminisms, decidability and unsolvable problems; NP completeness and intractable computations.

## • **CS 488 - Compilers**

---

(4)

Prerequisites: CS 312, 332, 386. Compiler construction; lexical analysis, including regular languages and finite-state acceptors; syntactic analysis, including parsing techniques and grammars; code generation and optimization.

## • **CS 490 - Computer Science Recapitulation**

---

(2)

Prerequisite/corequisites: MATH 270, CS 386, 437, 440, EE 444. A recapitulation of the primary concepts of Computer Science in preparation for the Major Field Achievement Test.

## • **CS 491A - Software Design Laboratory**

---

(3)

Prerequisites: CS 312, 320, 337, 386, and senior standing. Approaches to software design, including Design Patterns and other strategies for designing software systems. Each student will propose a substantial, individual software project, resulting in a preliminary report and project presentation. Laboratory 9 hours. Graded ABC/NC

## • **CS 491B - Software Design Laboratory**

---

(3)

Prerequisite: CS 491A. Software design, including Design Patterns and other strategies for designing software systems. Each student will complete the project initiated in CS 491A resulting in a formal report and project presentation. Laboratory 9 hours. Graded ABC/NC

- **CS 496A - Software Design Laboratory**

---

(2)

Prerequisites: CS 312, 320, 337, 386, and senior standing. Approaches to software design, including Design Patterns and other strategies for designing software systems. Students working individually or as a group will propose a substantial software project, resulting in a preliminary report and project presentation. Laboratory 6 hours. Graded ABC/NC

- **CS 496B - Software Design Laboratory**

---

(2)

Prerequisite: CS 496A. Software design, including Design Patterns and other strategies for designing software systems. Students will make further progress on the project initiated in CS 496A resulting in an intermediate report and project presentation. Laboratory 6 hours. Graded ABC/NC

- **CS 496C - Software Design Laboratory**

---

(2)

Prerequisite: CS 496B. Software design, including Design Patterns and other strategies for designing software systems. Students will complete the project initiated in CS 496AB resulting in a final formal report and project presentation. Laboratory 6 hours. Graded ABC/NC

- **CS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

#### Computer Science (Graduate)

- **CS 512 - Design and Analysis of Algorithms**

---

(4)

Prerequisite: CS 312. Design of complex algorithms. Algorithms for solving frequently occurring problems in computer applications. Computationally intractable problems, heuristics and partial solutions. Optimization techniques. Analysis of algorithms for specific problems of interest.

- **CS 520 - Web Programming**

---

(4)

Prerequisite: CS 320. Current issues in web programming. Topics include: semantic networks; architectures for web-based applications; dynamic and evolutionary system deployment.

- **CS 522 - Advanced Database Systems**

---

(4)

Prerequisites: CS 422, CS 491AB. Current topics in database systems: distributed databases, transactions, and concurrency control; nested and long-running transactions; semantic and object-oriented data models; engineering design databases; temporal, multi-media, and real-time databases.

- **CS 537 - Advanced Software Engineering**

---

(4)

Prerequisites: CS 437, CS 491AB. Managing software development projects; the capability maturity models and personal performance processes; software cost estimation; risk management; extreme programming. Engineering systems for survivability. Estimating system performance.

- **CS 540 - Advanced Topics in Operating Systems**

---

(4)

Prerequisite: CS 440. Asynchronous concurrent processes; mutual exclusion and deadlocks; virtual storage organization and management; multiprocessing; auxiliary storage management; distributed operating systems; performance measurement; operating systems security.

- **CS 550 - Advanced Computer Graphics**

---

(4)

Prerequisites: CS 312, 450. An advanced course in computer graphics with emphasis on rendering, Polygonal meshes, Bezier curves and surfaces, line and back face removal, shading, lighting, and texture algorithms.

- **CS 560 - Advanced Topics in Artificial Intelligence**

---

(4)

Prerequisite: CS 460. Examination of a sub field within artificial intelligence such as natural language processing, expert systems, robotics, data mining, computer vision, speech recognition, intelligent agents or others.

- **CS 565 - Reliable Computing**

---

(4)

Prerequisites: CS 312 and CS 386. Errors, faults, and failures. Software and system safety. Reliability metrics: mean time between failures. Techniques for fault tolerance: redundancy and robustness. Fault detection, isolation, correction, and recovery.

- **CS 570 - Networks and Distributed Processing**

---

(4)

Prerequisites: CS 470. Study of computer network architecture and protocols. Routing, congestion and flow control. Distributed algorithms, client-server models, remote procedure calls, load balancing, and security. Interprocess communication and protocols. Distributed transaction processing.

- **CS 575 - Human Issues in Computing**

---

(4)

Prerequisites: CS 386, CS 491AB. Methods and techniques for maximizing the usability of computer systems and practices User centered design, designing for diverse users, physiological, psychological, and sociological issues. Human factors in software development.

- **CS 580 - Advanced Information Security**

---

(4)

Prerequisite: CS480. Advanced course on information security. Topics covered include access control, security model, security policy, digital signatures, digital cash, Secure Electronic Transaction (SET), public key infrastructure, secure election protocols.

- **CS 581 - Computer and Network Security**

---

(4)

Prerequisite: CS 447 or CS 470. This course exposes students to various techniques related to defending your computers and networks. Topics covered include Denial-Of- Service attacks, packet analyzers, host-based intrusion detection and honeypots etc.

- **CS 586 - Theory of Computing**

---

(4)

Prerequisite: CS 486. Mathematical models of computation. Recursive function theory and primitive recursion. Computability and logic.

Church's Thesis, Wegner's interaction machines, and quantum computation.

- **CS 588 - Languages and Translators**

---

(4)

Prerequisite: CS 488. Advanced programming language and translator concepts. Language runtime systems such as the Java virtual machine. Term rewriting systems and XSL, Programming language semantics.

- **CS 590 - Advanced Software Architecture**

---

(4)

Prerequisite: CS 491AB. Design and development of large-scale, typically distributed, often multi-language, software systems. Integration of existing (legacy) systems. Multiple architectural views and their representation and documentation. Integrative and connective platforms, standards, and technologies.

- **CS 594 - Graduate Seminar**

---

(4)

Prerequisite: instructor consent. Special course offering on topics of current interest in computer science. May be repeated to a maximum of 8 units on different topics.

- **CS 596 - Comprehensive Examination**

---

(0)

Permission needed from department. Examination of student's ability to demonstrate mastery of the subject matter. Students should take the comprehensive exam during the quarter, in which they complete all Course work or shortly thereafter. Graded CR/NC.

- **CS 598 - Graduate Directed Study**

---

(1-4)

Prerequisite: instructor consent. Independent investigation and study of an advanced topic in computer science under direct supervision of an instructor. May be repeated to maximum of 4 units.

- **CS 599A - Thesis or Project**

---

(3)

Prerequisites: Completion of at least 20 units of 500 level CS courses and instructor consent to act as sponsor, department approval of topic prior to registration. Research project conducted in an area of advanced topics in computer science under direct supervision of an instructor. This research project shall be continued in CS 599B. Graded CR/NC.

- **CS 599B - Thesis or Project**

---

(2)

Prerequisites: CS 599A. Instructor consent to act as sponsor, completion of all other requirements for an MS degree in Computer Science. Continuation of research project conducted in CS 599A. Each student shall orally present his/hers research result in a public forum. Graded CR/NC.

### **Counseling (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

- **COUN 200A - Introduction to Rehabilitation Services**

---



(3)

Introduction to the profession of vocational and personal rehabilitation; characteristics of the "helping" process; qualities of "helper" techniques for working with people; exploration of settings that offer services. Field visits to agencies.

• **COUN 200B - Introduction to Rehabilitation Services**

---

(3)

Introduction to the profession of vocational and personal rehabilitation; characteristics of the "helping" process; qualities of "helper" techniques for working with people; exploration of settings that offer services. Field visits to agencies.

• **COUN 400A - Lifespan Human Development**

---

(4)

Theories of human development, including stages of personality, cognitive, career and social development across the lifespan.

• **COUN 400B - Lifespan Human Development**

---

(4)

Theories of human development, including stages of personality, cognitive, career and social development across the lifespan.

• **COUN 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence  
(also listed as PSY 403)**

---

(4)

Prerequisite: PSY 150. Psychosocial factors in child maltreatment and family violence: developmental considerations, assessment, interventions, legal and ethical issues, research findings, and community resources.

• **COUN 406 - Behavioral Counseling and Self-Management**

---

(4)

Prerequisite: PSY 150. Application of principles of learning personal counseling and behavioral self-control programs.

• **COUN 428 - Measurement Issues in Counseling**

---

(4)

Prerequisite: EDFN 452 or PSY 302. Principles, procedures, and ethical considerations underlying data collection and interpretation for purposes of client assessment in counseling settings.

• **COUN 442 - Medical Factors in Rehabilitation**

---

(3)

Selected facets of medical, developmental, and administrative factors in the rehabilitation process, including medical terminology, specialties in medical practice, and workers' compensation law. Implications for rehabilitation counseling. Lectures, case discussions, field trip.

• **COUN 445 - Developmental Self Exploration**

---

(2)

Personal attitudes, values, communication style, and professional development related to becoming a helping professional. Development of skills in building relationships, resolving conflicts, analyzing and synthesizing feedback from others. Graded CR/NC.

• **COUN 448 - Career Counseling for Adults**

---

(4)

Vocational counseling of college students, rehabilitation clients, persons making midcareer changes, and returning homemakers; emphasis on career development theory, occupational information, job analysis, and job placement.

---

• **COUN 449 - Job Development and Work Evaluation**

---

(4)

Prerequisites: COUN 428, 448; instructor consent. Methods for identifying, evaluating, and enhancing employment opportunities for people with physical, emotional, and mental disabilities; job analysis, work evaluation, employer development, job modification, assistive devices, community resources, placement planning, and work adjustment.

---

• **COUN 450 - Counseling Theories**

---

(3)

Prerequisite: All GE requirements. Theories of counseling appropriate for individual and group work; functions of theory in research and practice including substance abuse counseling; background for subsequent training in group counseling methods and individual counseling.

---

• **COUN 460 - Laws Relating to the Child and Family**

---

(4)

Legal and ethical guidelines for counselors, therapists, and child development practitioners; laws related to the family including marriage, divorce, and assessment and reporting of child abuse.

---

• **COUN 484 - Conferences with Parents/Primary Caregivers**

---

(4)

Research-based processes that facilitate student academic, emotional and social growth through parental involvement, including family and study rituals, motivation, self-esteem, assisting with homework, monitoring student progress and school-home community partnerships.

---

• **COUN 489 - Behavior Management Using Reinforcement in Classrooms**

---

(4)

Prerequisite: PSY 150. Constructive approaches to classroom management using individual and group reinforcing contingencies for preschool through high school age students.

---

• **COUN 490 - Problems in Guidance**

---

(1–5)

Prerequisite: Instructor consent. Investigation of unique problems in guidance as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

---

• **COUN 494 - Seminar: Rehabilitation Services**

---

(3)

Prerequisites: COUN 200AB; prerequisites or corequisites: COUN 406, 448, 557. Enhancement and integration of techniques and skills needed for effective functioning in the field. May be repeated to maximum of 6 units.

---

• **COUN 495 - Field Work in Rehabilitation Services**

---

(3–9)

Prerequisites: Admission to Rehabilitation Services major, COUN 200AB, consent of field work supervisor; prerequisites or corequisites: COUN 406, 448; corequisite: COUN 494. Field placement arranged congruent with option area selected. Graded CR/NC.

## • COUN 499 - Undergraduate Directed Study




---

(1-4)

Prerequisites: Instructor consent to act as sponsor and consent of division chair. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit.

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## Course Descriptions

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### Counseling (Undergraduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.

- **CRIM 402 - Substance Use and Crime**

---

(4)

Prerequisite: CRIM 301. An overview of alcohol and a variety of illicit substances in their relation to the criminal justice system. Substance-related offences, substance-offenders, and substance-control strategies within the criminal justice system.

### Counseling (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.

Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.

- **COUN 500A - Theoretical and Developmental Aspects of Behavior**

---

(4)

Study of psychological, social and cognitive developmental themes in childhood. Emphasis on issues related to counseling and school psychology.

- **COUN 500B - Theoretical and Developmental Aspects of Behavior**

---

(4)

Study of psychological, social and cognitive developmental themes in childhood. Emphasis on issues related to counseling and school psychology.

- **COUN 501 - Behavior Analysis in School, Home, and Agency Settings**

---

(4)

Prerequisite: COUN 406 or 489 or PSY 428. Principles and application of behavioral contingency management procedures.

- **COUN 502 - Advanced Behavioral Contingency Management in Schools**

---

(4)

Prerequisites: 501, instructor consent. Behavioral research, ethics, and recent developments in applying behavioral procedures to school and consulting relationships.

- **COUN 503 - Sociological and Cultural Factors in Counseling**

---

(4)

Effect of social environment and cultural group membership on behaviors related to counseling; relationship of social and cultural background to counseling theory and techniques to our changing cultures; implications of crosscultural research for counseling practice.

- **COUN 504 - Advanced Topical Study in Application of Behavior Analysis to Education**

---

(4)

Prerequisite: COUN 502. In-depth study of particular topics within behavior analysis. May be repeated to maximum of 8 units as subject matter changes.

- **COUN 505 - Practicum: Counseling**

---

(3)

Corequisites: Admission to a degree or credential program or employment as a counselor. Practical experience preparatory to working with clients, knowledge and skills in listening and helping. Students initiate a professional portfolio and develop a plan for gaining necessary counseling competencies. Graded CR/NC.

- **COUN 506 - Individual Counseling Strategies**

---

(4)

Prerequisites: COUN 505; instructor consent. Techniques in individual counseling that apply to specific settings or derive from specific theories of counseling.

- **COUN 507 - Individual Clinical Counseling**

---

(3)

Prerequisites: COUN 428, 557, or 448; 406 or 501; 505; 506; admission to school psychology or school counseling program or instructor/adviser consent; and evidence of current student liability insurance. Supervised individual career and personal counseling through the campus Counseling and Assessment clinic. Students implement theory, develop case management strategies, and develop their own counseling behavior. Lecture 1 hour, clinical field experience 3 hours scheduled plus 3 hours arranged. May be repeated to a maximum of 6 units for credit. Graded CR/NC.

- **COUN 510 - Counseling Students in Higher Education**

---

(4)

Characteristics and problems of American college students; impact of college life on individual, psychosocial aspects of student culture and college environment as well as cultural differences.

- **COUN 516 - Group Counseling**

---

(4)

Prerequisites: 406 or 501; 505. Theory and practice of group processes, leadership, membership skills; group skills appropriate to school, college, agency settings; counseling group and guidance group processes; current research in group theory and practice.

- **COUN 517 - Group Counseling: Practicum**

---

(3)

Prerequisite: COUN 516. Supervised group counseling through campus' Counseling and Assessment Clinic or local school or agency. Lecture 1 hour, 6 hours approved clinical experience. May be repeated once for credit. Graded CR/NC.

- **COUN 520 - Introduction to Family Evaluation and Counseling**

---

(4)

Prerequisites: COUN 506, 507; corequisite: COUN 523. Introduction to major counseling theories and practices for working with relationships in family contexts; focus on methods of initial family assessment and family counseling with individual family members.

- **COUN 521 - Advanced Family and Marriage Counseling**

---

(4)

Prerequisite: COUN 520; corequisite: COUN 589. Approaches to joint family counseling and marriage counseling within family systems framework.

- **COUN 522 - Family Counseling with Children**

---

(4)

Prerequisite: COUN 589 or 586. Theory and methods of counseling children in families; includes assessment and study of child's role in family structure; applications of verbally- and activity-based therapy.

- **COUN 523 - Family Counseling Laboratory**

---

(3)

Prerequisites: COUN 406 or 501; 507; corequisite: COUN 520. Supervised counseling of couples and families utilizing strategies and techniques of systems theory; practical experience designed to enhance students' skills as family counselors. Lecture 1 hour, laboratory 3 hours. May be repeated to maximum of 6 units.

- **COUN 529 - Principles of Research and Program Evaluation in Counseling**

---

(4)

Prerequisite: EDFN 452 or PSY 302. Principles, procedures, and ethical considerations underlying collection, analysis, and interpretation of data for research and evaluation of counseling programs.

- **COUN 531A - Individual Testing and Case Study Techniques**

---

(also listed as PSY 531AB)

(4)

Prerequisites: COUN 428 plus one of following sequences: PSY 410AB and 438; 410AB and 431; 418AB and 431; or PSY 410A, 428A, and 501. Intensive practice in administration and interpretation of better known testing devices for mental ability, perceptual and motor functioning, and personality dynamics, with attention to integration of results in case studies. Lecture 3 hours, laboratory 3 hours.

- **COUN 531B - Individual Testing and Case Study Techniques**

---

(also listed as PSY 531AB)

(4)

Prerequisites: COUN 428 plus one of following sequences: PSY 410AB and 438; 410AB and 431; 418AB and 431; or PSY 410A, 428A, and 501. Intensive practice in administration and interpretation of better known testing devices for mental ability, perceptual and motor functioning, and personality dynamics, with attention to integration of results in case studies. Lecture 3 hours, laboratory 3 hours.

- **COUN 532 - Diagnosis of Learning Problems and Remedial Procedures**

---

(4)

Prerequisite: COUN 531B. Methods used by classroom teachers and school specialists in diagnosis and remediation of learning disabilities.

- **COUN 533 - Psychological Testing Applied to Mentally, Physically Atypical**

---

(4)

Prerequisite: COUN 531B. Selection, administration, and interpretation of tests used for appraising the atypical individual. Lecture 3 hours, laboratory 3 hours.

- **COUN 534 - Methods of Personality Assessment**  
(also listed as PSY 534)

---

(4)

Prerequisite: COUN 531AB. Study and evaluation of current personality tests, objective and projective. Administration, scoring, interpretation, and reporting of results; findings of empirical research. Lecture 3 hours, laboratory 3 hours.

- **COUN 535 - Alternative Assessment**

---

(3)

Prerequisite: COUN 531A. Selection, educational implications, and use of alternative assessment techniques and findings; implications for least restrictive placement.

- **COUN 536 - Practicum: School-Based Consultation**

---

(3)

Prerequisites: COUN 501, COUN 505. Conceptual basis for school-based consultation including knowledge about preventive approaches applicable for use in school settings. Students will initiate and carry out a consultation role with assigned teachers.

- **COUN 537 - Practicum: School Psychology**

---

(1–3)

Prerequisites: Admission to the School Psychology Program; Certificate of Clearance; Approved School Site; Consent of instructor. Supervised school-based activities providing direct and indirect pupil services. Meets California Commission on Teacher Credentialing standards for School Psychology. May be repeated for up to 6 units. Graded CR/NC.

- **COUN 538 - Seminar: Methods of Diagnostic Assessment in Counseling**

---

(4)

Prerequisites: COUN 428, 506; PSY 410A or B. Use of statistical and clinical methods as bases for diagnostic appraisal in counseling; emphasis on individual case reports. Includes utilization of current versions of professionally mandated resources like the APA Diagnostic and Statistical Manual (DSM).

- **COUN 539 - Psychopharmacology For Counselors**

---

(3)

Prerequisite: COUN 538 or equivalent and consent of instructor. Basic principles of psychopharmacology; major classes of psychiatric medication, issues in medication referrals, medication adherence and refusal, role of counselor in working with clients who are on psychotropics.

- **COUN 540A - Foundations of Rehabilitation**

---

(4)

Prerequisite: Admission to graduate rehabilitation option. Introduction to rehabilitation counseling profession, including study of roles and functions of rehabilitation counselors, case management, and impact of disability on individual's psychological, physical, and social life. Participation in field observation required.

- **COUN 540B - Foundations of Rehabilitation**

---

(4)

Prerequisite: Admission to graduate rehabilitation option. Introduction to rehabilitation counseling profession, including study of roles and functions of rehabilitation counselors, case management, and impact of disability on individual's psychological, physical, and social life. Participation in field observation required.

- **COUN 542A - Medical Aspects of Disability**

---

(3)

Review of literature and research implications for rehabilitative counseling of major physical and psychiatric conditions leading to disablement; etiology, therapy, and prognosis of rehabilitation.

- **COUN 542B - Medical Aspects of Disability**

---

(3)

Review of literature and research implications for rehabilitative counseling of major physical and psychiatric conditions leading to disablement; etiology, therapy, and prognosis of rehabilitation.

- **COUN 552 - Counseling and Human Sexuality**

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(4)

Prerequisites: COUN 450 or 506 or 516 or 520; corequisite: SOC 421. Latest developments in theory and research in area of human sexuality as these pertain to role of counselor.

- **COUN 557 - Career Education and Guidance in Schools**

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(4)

Career education and guidance covering elementary through high school years. Use of activities, theory, and information in the construction of career education programs.

- **COUN 581 - Seminar: Leadership in Pupil Personnel Services**

---

(4)

Organization, administration, and evaluation of comprehensive, competency-based pupil personnel programs in Public K-12 schools or Community Colleges. Program development and implementation; collaboration with school administration, other helping professionals and community; child welfare and attendance procedures and laws related to minors.

- **COUN 583 - Preventive Counseling**

---

(4)

Prerequisites: COUN 503, 505. Prevention and outcomes-based model of counselor service delivery. Developmental interventions that promote academic, personal, social, and career development through experiential learning activities. Guidance units designed to promote resilience among youth-at-risk.

- **COUN 585 - Seminar: School Psychology**

---

(4)

Prerequisite: Instructor consent; corequisite: COUN 586P. History and foundations of school psychology. Legal, ethical and professional issues and standards. Roles and functions of the school psychologist.

- **COUN 586 - Supervised Field Experience in Pupil Personnel Services**

---

(2-10)

Prerequisite: Admission by application filed with division by fifth week of preceding quarter and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, school psychology or child welfare and attendance involving work with pupils, school personnel parents, community agencies. Graded CR/NC. May be repeated to maximum of 30 units. One unit of credit equals fifty (50) hours of supervised field experience. Candidates for Services credential with Pupil Personnel Services specialization enroll in an appropriate field experience as follows:

- **COUN 586P - School Psychology**

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(2–10)

Prerequisite: Admission by application filed with division by fifth week of preceding quarter and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, school psychology or child welfare and attendance involving work with pupils, school personnel parents, community agencies. Graded CR/NC. May be repeated to maximum of 30 units. One unit of credit equals fifty (50) hours of supervised filed experience. Candidates for Services credential with Pupil Personnel Services specialization enroll in an appropriate field experience as follows:

- **COUN 586S - School Counseling**

---

(2–10)

Prerequisite: Admission by application filed with division by fifth week of preceding quarter and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, school psychology or child welfare and attendance involving work with pupils, school personnel parents, community agencies. Graded CR/NC. May be repeated to maximum of 30 units. One unit of credit equals fifty (50) hours of supervised filed experience. Candidates for Services credential with Pupil Personnel Services specialization enroll in an appropriate field experience as follows:

- **COUN 586W - Child Welfare and Attendance**

---

(2–10)

Prerequisite: Admission by application filed with division by fifth week of preceding quarter and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, school psychology or child welfare and attendance involving work with pupils, school personnel parents, community agencies. Graded CR/NC. May be repeated to maximum of 30 units. One unit of credit equals fifty (50) hours of supervised filed experience. Candidates for Services credential with Pupil Personnel Services specialization enroll in an appropriate field experience as follows:

- **COUN 587 - Seminar: Higher Education Counseling**

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(4)

Prerequisites: Advancement to candidacy in Higher Education Counseling option and instructor consent. Examination and investigation of critical issues in higher education counseling. Seminar reports required.

- **COUN 588 - Supervised Practice in Rehabilitation Counseling**

---

(3–10)

Prerequisites: COUN 505, instructor consent, application filed with division by fifth week of preceding quarter. Supervised professional experience. One unit requires 40 hours of practice. Graded CR/NC. May be repeated to maximum of 15 units.

- **COUN 588C - Supervised Practice in Rehabilitation/Career Counseling**

---

(3–5)

Prerequisites: COUN 505, instructor consent, application filed with division by fifth week of preceding quarter. Supervised professional experience. One unit requires 40 hours of practice. Graded CR/NC. May be repeated to maximum of 15 units.

- **COUN 589 - Site Practicum in Marriage, Family, and Child Counseling**

---

(2–10)

Prerequisites: COUN 505, 520, 517 or 523; corequisite: COUN 521 ; admission by application filed with division by fifth week of preceding quarter. Supervised counseling involving work with individuals, children, couples, and families. Graded CR/NC. May be repeated to maximum of 30 units.

- **COUN 590 - Special Topics in Counselor Education**

---

(1–4)

Prerequisite: Consent of division chair. Intensive study of designated problems in counselor education. May be repeated for credit as subject matter changes.

- **COUN 591 - Supervised Field Experience in Applied Behavior Analysis**

---

(3)

Prerequisites: COUN 593, application filed with division by fifth week of preceding quarter. Supervised professional experience; one unit requires 40 hours of practice. Graded CR/NC only. May be repeated to maximum of 6 units.

- **COUN 592 - Behavior Interventions for Severe Behavior Problems**

---

(4)

Prerequisites: COUN 501; recommended prerequisite: COUN 502. Biological, psychological and developmental factors affecting severe behavior problems. Emphasis is on conducting functional analysis assessments and on programs for specific severe behavior problems.

- **COUN 593 - Practicum: Staff Development and Consultation**

---

(3)

Prerequisites: COUN 502, 586S. Practical experience consulting with parents and teachers regarding behavior management problems and assisting school personnel in providing in-service training. Lecture 1 hour, clinical field experience 3 hours scheduled plus 3 hours arranged. May be repeated to a maximum of 6 units for credit. Graded CR/NC.

- **COUN 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **COUN 597 - Graduate Research**

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(1–4)

Prerequisites: COUN 529, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **COUN 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **COUN 599A - Thesis or Project Planning**

---

(3)

Prerequisites: EDFN 452 and 500, or EDFN 553, or COUN 529, advancement to candidacy, written approval of thesis chair. Prior to completion, students will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **COUN 599B - Thesis or Project**

---

(2)

Prerequisites: COUN 599A, written approval of thesis committee chair. Prior to completion, student will have submitted final draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **COUN 599C - Thesis or Project**

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(2)

Prerequisites: COUN 599B, written approval of thesis committee chair. Completion of thesis or project under direct supervision of thesis committee. Graded CR/NC.

### **Criminal Justice (Undergraduate)**

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the school and approval of the graduate adviser: CRIM499

#### **• CRIM 101 - Introduction to Administration of Justice**

---

(4)

History and philosophy of law enforcement and administration of justice in America; examination of various agencies, systems, and subsystems; role expectations and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system.

C-ID \*AJ 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **• CRIM 126 - Concepts of Criminal Law**

---

(4)

General provisions of criminal law; history and development; elements of a crime, parties to a crime; defenses to criminal culpability; elements of specific crimes; crimes against person, property, public place, and safety.

C-ID \*AJ 120

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **• CRIM 201 - Correctional Systems**

---

(4)

Prerequisite: CRIM 101. Objectives of correctional administration; laws, records, public relations, personnel, and relationships to programs, including custodial and noncustodial interrelationships and divisions; physical plant and security, employment, and care and treatment program.

\*C-ID AJ 200

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **• CRIM 202 - Police and Society**

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(4)

Prerequisite: CRIM 101. Historical and modern policing approaches; effect of organizational structure and administrative procedure on the police function; assessment of decision-making processes, police-community relations, and misconduct.

## • **CRIM 203 - Judicial Organization**

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(4)

Prerequisite: CRIM 101. History, concepts and services related to judicial organization, management and administration; prosecutorial and court functions.

## • **CRIM 208 - Introduction to Forensic Science for Criminal Justice Majors**

---

(4)

Overview of forensic science in collecting and evaluating evidence as a component of the criminal justice system. Emphasis on role of science in supporting the investigation and litigation process.

\*C-ID AJ 150

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **CRIM 210 - Race, Ethnicity, and Gender in the Criminal Justice System**

---

(4)

Concepts and theories regarding race, gender, and justice; characteristics of victims and offenders; policing and community relations; gender and ethnicity in the court; sentencing disparities; death penalty; prison populations.

**GE D ; Approved diversity course**

## • **CRIM 301 - Written Communication in Criminal Justice**

---

(4)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Introduction to writing in the field of Criminal Justice. Graded ABC/NC. Some sections of the course may be technologically mediated.

## • **CRIM 303 - Theories and Perspectives in Criminal Justice**

---

(4)

Prerequisite: CRIM 301. Nature and scope of crime problems; issues related to assessment and measurement of crime; survey of theoretical formulations and perspectives of crime causation.

## • **CRIM 306 - Crime Control Policy**

---

(4)

Prerequisite: CRIM 301. Process for development of crime control; citizen expectations; influences of celebrated cases, media coverage, public opinion, and politics, ease of solutions addressing symptoms; solutions designed to address the "root causes."

## • **CRIM 307 - Forensic Mental Health**

---

(4)

Prerequisite: CRIM 301. Nature, prevalence, and consequences of mental disorder among criminal offenders; influence of substance abuse; violence and mental disorder; criminal justice system handling of the mentally ill.

## • **CRIM 308 - White Collar Crime**

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(4)

Prerequisite: CRIM 301. Issues and varieties of white-collar crime; survey of theories and research; detecting, prosecuting and sentencing white-collar offenders; corporate crime; case studies.

### • **CRIM 309 - Juvenile Justice**

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(4)

Prerequisite: CRIM 303. This course addresses the interactions among social, economic and political forces in juvenile delinquency and their impact on justice system processes and the nature and operation of the juvenile justice system.

### • **CRIM 310 - Ethics and Professional Responsibility**

---

(4)

Prerequisite: CRIM 301. Nature and scope of misconduct, special risks and responsibilities, legal and institutional controls, concepts of professionalism, codes of ethics, conflict of interest, and problems in exercise of discretion.

### • **CRIM 330 - Criminal Justice Research**

---

(4)

Prerequisites: CRIM 301. Underlying research concepts, methodologies and techniques appropriate for application in criminal justice environments, including the scientific method, basic research designs and data collection techniques. Special consideration of constraints on research within criminal justice settings.

### • **CRIM 365 - Personal Identification Systems**

---

(4)

Prerequisite: CRIM 301. Types of personal identification systems that serve investigative function in public agencies; existing and potential resources; analysis of modus operandi, fingerprints, voiceprints, psychological profile; visual identification.

### • **CRIM 395 - Community Service in Criminal Justice**

---

(1-4)

Prerequisites: CRIM 301. Approval by faculty sponsor in consultation with EPIC Director, acceptance by community agency. Participation in community service work. May be repeated to maximum of 6 units. Graded CR/NC.

### • **CRIM 398 - Cooperative Education in Criminal Justice** (See UNIV 398)

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(1-4)

Prerequisite: CRIM 301. Cooperative Education in Criminal Justice

### • **CRIM 401 - Gangs**

---

(4)

Prerequisites: CRIM 301. This course provides an overview of gangs, outlines perspectives on gangs, describes risk factors of gang membership, details consequences of gang participation, and reviews gang intervention, prevention and suppression strategies.

### • **CRIM 409 - Applications of Forensic Science**

---

(4)

Prerequisites: BIOL 100ABC and CHEM 101-103 or equivalent. Discussion of technical concepts in the forensic sciences: The application of scientific methods and techniques to criminal justice and law. Quality assurance/control and certification/accreditation guidelines.

- **CRIM 411 - Interpretation of Evidence in the Courtroom**

---

(4)

Prerequisite: CRIM 301. Issues affecting the prosecution, plaintiff and defense in determining the outcome of a trial; the role of expert witnesses in presenting the principles of logic and probability.

- **CRIM 412 - Crime Scene Management**

---

(4)

Prerequisite: CRIM 301. Protection and proper documentation of the crime scene contrasted with the role of the media and other significant factors that often cause conflict.

- **CRIM 413 - Sex Crimes and Physical Evidence**

---

(4)

Prerequisite: Upper Division Standing. The investigation of sex crimes from a forensic science perspective: criminal behavior and sexual deviance as related to physical evidence; scientific analysis and interpretation of sexual assault evidence; courtroom considerations.

- **CRIM 414 - Forensic Biology**

---

(4)

Prerequisites: CRIM 409, BIOL 340 or equivalent, BIOL 415 or equivalent statistics course for science majors (for example, BIOL 300). Fundamentals of forensic biology: crime scene investigation and the documentation, collection, and preservation of biological evidence; case management; identification and individualization of biological samples; interpretation of evidence and courtroom issues. (Lecture 3 hours, laboratory 3 hours)

- **CRIM 415 - Forensic Chemistry**

---

(4)

Prerequisites: CRIM 409, CHEM 201 or equivalent, CHEM 301 ABC and CHEM 302AB or equivalent. Qualitative and quantitative methods in the forensic analysis of controlled substances, including wet chemistry and instrumental methods; chemical analysis of physical evidence, including fire scene debris, explosive material and gunshot residue analysis. (Lecture 3 hours, laboratory 3 hours)

- **CRIM 416 - Physical Methods and Pattern Analysis**

---

(4)

Prerequisite: CRIM 409. Introduction to forensic pattern analysis including: bloodstain patterns, fingerprints, footwear and tire impressions firearms, tool marks, and questioned documents; documentation, collection, and interpretation of evidence: courtroom issues and expert testimony. (Lecture 3 hours, laboratory 3 hours)

- **CRIM 417 - Forensic Microscopy and Trace Evidence Analysis**

---

(4)

Prerequisites: CRIM 409, PHYS 101-103 (or equivalent) or PHYS 201-203 (or equivalent). Fundamentals of microscopy and the application of microanalysis to forensic science; examination of trace evidence samples: hair, glass, soil, paint, and fibers. Emphasis is on identification, individualization and associative value of trace evidence. (Lecture 3 hours, laboratory 3 hours)

- **CRIM 428 - Contemporary Criminal Procedures**

---

(4)

Prerequisite: CRIM 301. Bill of Rights and federal criminal procedure; application of due process clause of Fourteenth Amendment; exclusionary rule; case law reconciling civil rights and security of community.

- **CRIM 432 - Mental Disorder, Substance Abuse and Violence**

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(4)

Prerequisite: CRIM 303. Relationship of mental illness to violent crime; alcohol and drug use on violent behavior; program and policies concerning the treatment of mentally disordered persons; substantive methodological issues measuring mental illness.

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• **CRIM 445 - Legal Issues for Police Officers**

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(4)

Prerequisite: CRIM 301. Focuses on the legal basis for most police actions, its fluidity, and how it has changed recently. Case law will also be reviewed.

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• **CRIM 446 - Community Policing and Problem Solving**

---

(4)

Prerequisites: CRIM 202 and CRIM 301. Contemporary police problems and new strategies and practices for addressing crime and neighborhood disorder. Emphasis on the history, definition, evaluation, and models of community policing.

---

• **CRIM 454 - Special Topics in Criminal Justice**

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(4)

Prerequisite: CRIM 301. Current topics of special interest in Criminal Justice as announced in Schedule of Classes. May be repeated to maximum of 20 units of credit as topic changes.

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• **CRIM 470 - Women and Crime**

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(4)

Prerequisite: CRIM 301. Examines women as offenders, victims, and employees in the criminal justice system through the prism of race, class, and gender.

---

• **CRIM 483 - Statistics in Criminal Justice**

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(4)

Prerequisites: CRIM 301, CRIM 330. Introduction to computer applications for criminal justice agencies and instruction on data types, data collection, and format development. Use of programs for abstracting and data analysis.

---

• **CRIM 492 - Advanced Criminal Justice Theory and Practice**

---

(4)

Prerequisites: Senior standing and successful completion of CRIM 303 and 330. Capstone for criminal justice majors; examination of the major issues, themes, theories and research findings with emphasis on relationships with each other, integrating ideas and effects on discipline. Senior thesis required. Some sections of this course may be technologically mediated.

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• **CRIM 496 - Firearms and Toolmark Examination**

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(4)

Role of firearms examiner in forensic science, including procedures for identifying firearms, toolmarks, and ammunition. Topics include muzzle-to-target distance determination, gunshot residue analysis, firearms nomenclature, comparative microscopy, serial number restoration. (Lecture 4 hours); (Graded ABC/NC).

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• **CRIM 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: CRIM 301, 2.5 grade point average; ability to assume responsibility for independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 8 units.

## **Criminal Justice (Graduate)**

### **• CRIM 501 - Seminar: Administration of Justice**

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(4)

Structures, function and operations of criminal justice agencies, including the police, the courts, and corrections, within the overall context of the criminal justice system.

### **• CRIM 502 - Seminar: Introduction to Forensic Mental Health**

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(4)

Role of mental health and substance abuse disorders in the criminal and juvenile justice systems: impact of justice philosophies on providing treatment; response options; and review of effective treatment methods.

### **• CRIM 506 - Seminar: Comparative Criminal Justice Administration**

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(4)

Comparison of criminal justice systems of world, past and present: American systems, national, state, county, and municipal levels; military police systems; organizations, practices, and trends.

### **• CRIM 510 - Graduate Seminar: Ethical, Managerial and Contemporary Issues in Forensic Science**

---

(4)

Examines parameters that affect the quality of scientific results entering the criminal justice system. Discusses validity and reliability and includes presentations by experts on forensic science-related publications and original research.

### **• CRIM 511 - Principles of Research**

---

(4)

Prerequisite: CRIM 430. Methodology, research strategy, question development, and research ethics. Detailed review of methods appropriate for criminal justice.

### **• CRIM 512 - Quantitative Applications**

---

(4)

Prerequisites: CRIM 511, upper division undergraduate statistics course and familiarity with operations of personal computers. Statistical methods as applied to problems in crime and criminal justice: data description, data analysis, hypothesis testing, and inference using packaged statistical programs.

### **• CRIM 513 - Qualitative Approaches**

---

(4)

Prerequisite: CRIM 511. Advanced principles and methods related to qualitative research methods appropriate for criminal justice; data collection, interpretation, coding and dissemination; ethical issues unique to criminal justice settings.

### **• CRIM 515 - Statistical Analysis of Forensic Science Evidence**




---

(4)

Prerequisite: MATH 274. Introduction to Statistics (or equivalent course). The role of forensic scientists in determining evidential value. Statistical methods as applied to forensic science data: DNA genetic typing, population genetics, transfer evidence, likelihood ratio, relatedness testing, population databases.



## Course Descriptions

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### Criminal Justice (Graduate)

#### • **CRIM 530 - Theories and Perspectives in Criminal Justice**

---

(4)

Prerequisite: CRIM 303. Functions of theory building and testing as fundamental parts of scientific method in criminal justice; examination and evaluation of selected theories from sociological, psychological and behavioral perspectives.

#### • **CRIM 538 - Seminar: Criminal Justice Problems**

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(4)

Advanced investigation and reports on selected critical problems in criminal justice; emphasis on scientific method and acquaintance with reliable methods of research.

#### • **CRIM 550 - Crime Scene Reconstruction**

---

(4)

Prerequisite: Instructor consent. Fundamentals of crime scene processing, reconstruction, and report writing. Instruction in pattern analysis typically found at crime scenes, such as blood spatter interpretation, glass fracture and firearms-related reconstructions. Lecture 2 hours, Laboratory 6 hours.

#### • **CRIM 552 - Trace Evidence Analysis**

---

(4)

Prerequisite: Instructor consent. Microscopic and chemical methods of analysis of forensic trace evidence; focus includes forensic examination of hair, fibers paint, glass, soil, and crystalline materials. Lecture 2 hours, Laboratory 6 hours.

#### • **CRIM 553 - Forensic Serology and DNA Analysis**

---

(4)

Prerequisite: Instructor consent. Forensic serology and current methods of forensic analysis. Emphasis on molecular techniques with introduction to population statistics. Lecture 2 hours, Laboratory 6 hours.

#### • **CRIM 554 - Analysis of Controlled Substances**

---

(4)

Prerequisite: Instructor consent. Identification and classification of drugs of abuse by physical, chemical, and instrumental methods of analysis; survey of various extraction methods; qualitative and quantitative analysis. Lecture 2 hours, Laboratory 6 hours.

#### • **CRIM 557 - Forensic Pathology**

---

(4)

Prerequisite: Instructor consent. Correlation of findings of autopsy surgeon and criminalist; traumatic injuries, evaluation of wounds, time of

death, rigor mortis, post mortem lividity; recognition of poison deaths.

- **CRIM 559 - Forensic Microscopy**

---

(4)

Corequisite: CRIM 552: Trace Evidence Analysis. Fundamentals of microscopy and its application to criminalistics; emphasis on light microscopy, including polarized light, dark field, bright field and other illumination techniques; qualitative and quantitative measurements. Lecture 2 hours, Laboratory 6 hours.

- **CRIM 560 - Forensic Toxicology**

---

(4)

Prerequisite: Instructor consent. Isolation and identification of drugs and poisons by physical, chemical and instrumental methods of analysis. Metabolism, organ distribution. Methods of extraction, and analysis of toxicity in human tissues. Lecture 2 hours, Laboratory 6 hours.

- **CRIM 562 - Courtroom and Legal Issues in Criminalistics**

---

(4)

Prerequisite: Instructor consent. Legal issues of concern to the forensic scientist: search and seizure, chain of custody, expert testimony and courtroom scientific admissibility of analytical results. Discussion of ethical dilemmas of concern to forensic scientists.

- **CRIM 590 - Planning and Program Development**

---

(5)

Prerequisite: CRIM 530 and CRIM 538. Focus on planning, development and evaluation of programs in criminal justice.

- **CRIM 594 - Thesis Prospectus**

---

(1)

Prerequisite: Instructor consent. Identification of potential research topics in criminalistics leading to the formulation of a thesis proposal; format of the thesis/proposal; development of an appropriate experimental design; data evaluation techniques.

- **CRIM 595 - Directed Field Work**

---

(1–8)

Prerequisites: School approval, agency acceptance. Supervised individual field experience in an applied area of criminal justice. May be repeated to maximum of 8 units. Graded CR/NC.

- **CRIM 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **CRIM 598 - Graduate Directed Study**

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(1–5)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics covering the criminal justice system; regular conferences with sponsor. May be repeated to maximum of 9 units; maximum of 12 units in combination of CRIM 499 and 598 may be applied toward degree.

- **CRIM 599 - Thesis**

---

(1–4)

Prerequisites: Consent of an approved thesis committee to act as sponsor, completion of appropriate forms, approval of school. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/NC.

### **Curriculum and Instruction (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser*

- **EDCI 093 - Development of Study Skills: Reading**

---

(4)

Prerequisite: Recommendation of a counselor or an instructor. Developing reading study skills necessary for academic success at university level. Current general education textbook material used to reinforce college-level reading. Graded CR/NC. May be repeated to maximum of 12 units. No credit toward baccalaureate.

- **EDCI 300 - The Teaching Profession: Preparing the Urban Educator**

---

(2)

Prerequisite: Admission to University and Charter College of Education. Analysis, application and evaluation of strategies to prepare Multiple and Single Subject candidates to teach in urban schools. Requires verification of completion of 45 hours of early field experiences in a K-12 public school classroom. Graded CR/NC.

- **EDCI 402 - Introduction to Instructional Design, Assessment and Classroom Management Methods**

---

(4)

Prerequisite: Completion of all requirements for formal admission to the multiple subject credential program. Exploration of the fundamental principles of instructional design, strategies for addressing learner needs, assessment methodology, and classroom management strategies. Restricted to pre-service candidates enrolled in Block One of program.

- **EDCI 402I - Integrated Instructional Design, Assessment and Classroom Management for Field-Based Degree Candidates**

---

(4)

Prerequisite: Completion of all requirements for formal admission to the multiple subject credential program. Integration of the fundamental principles of instructional design, strategies for addressing learner needs, assessment methodology, and classroom management strategies. Restricted to field-based candidates currently employed as fulltime teachers and enrolled in Block One of the program.

- **EDCI 415 - Teaching For Thinking**

---

(4)

Perspectives and practices to integrate problem-solving, critical thinking, and the development of reflection and self-regulation into all content area course instruction.

- **EDCI 453 - Teaching in Bilingual/Crosscultural Schools**

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(4)

Prerequisite: Teaching credential. Specialized teaching techniques and materials for bilingual/crosscultural schools. School and community field assignments.

- **EDCI 453C - Chinese**

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(4 each)

Prerequisite: Teaching credential. Specialized teaching techniques and materials for bilingual/crosscultural schools. School and community

field assignments.

- **EDCI 453K - Korean**

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(4 each)

Prerequisite: Teaching credential. Specialized teaching techniques and materials for bilingual/crosscultural schools. School and community field assignments.

- **EDEL 420 - RICA Test Preparation Review**

---

(1)

Prerequisite: EDEL 415. A review of content and strategies needed to pass California's Reading Instruction Competence Assessment (RICA) for Multiple Subject and Special Education credential students who are required to take the RICA.

- **EDSE 445E - Directed Teaching in a Residency Program**

---

(3)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Supervised Practicum: co-teaching in a partner school district with a mentor teacher. Must be repeated for a maximum of 9 units.

#### **Curriculum and Instruction (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.*

- **EDCI 501 - Introduction to Curriculum and Pedagogy in Urban Classrooms**

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(4)

Prerequisites: Completion of all requirements for admission to the Los Angeles Urban Teacher Residency Program. Examination of the implications of curriculum and pedagogy choices on urban classrooms. Understanding strategies for differentiation of instruction and assessment for English learners.

- **EDCI 502 - Introduction to Science and Mathematics Content Methods**

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(4)

Prerequisites: Completion of all requirements for admission to the Los Angeles Urban Teacher Residency Program. Introduction to pedagogical and curricular strategies for teaching science and mathematics. Emphasis on differentiating instruction for students with special needs. Verification of early field requirement.

- **EDCI 503 - Introduction to Schooling in Urban Communities**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program. Introduction to the history of schooling in urban communities with an emphasis on understanding schooling in local contexts.

- **EDCI 504 - Theory, Trends, and Practice in School Reform**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency Credential program and completion of the Pre-Residency Block and Residency I Block and Residency II Block of the program. Examination of school reform with emphasis on theory, practice and the changing role of teachers.

- **EDCI 511 - Advanced Classroom Assessment in the Urban School**

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(4)

Prerequisite: Completion of Residency Block III of the Los Angeles Urban Teacher Residency Credential program. An advanced treatment of the field of classroom assessment emphasizing authentic methodologies focusing on urban classroom settings in context of differentiated instruction, pedagogy and foundations of education.

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• **EDCI 513 - Reading as a Cognitive Process**

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(4)

Prerequisites: EDEL 415, or EDSE 423, or equivalent, or EDUR status. Advanced study of current issues and programs in reading instruction; application of recent research findings to reading curriculum.

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• **EDCI 520M - Methods for Teaching Mathematics**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Instructional strategies, objectives, current methods and curriculum in the teaching of mathematics in the urban setting. Includes current research, instructional materials, community resources, and instructional technologies for teaching mathematics.

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• **EDCI 520S - Methods for Teaching Science**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Instructional strategies, objectives, current methods and curriculum in the teaching of science in the urban setting. Includes current research, instructional materials, community resources, and media methods for teaching science.

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• **EDCI 521 - Seminar: Research in Teaching Reading/Language Arts**

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(4)

Prerequisites: EDEL 415, or EDSE 423, or EDUR status, and EDFN 500 or equivalents. Analysis of the research knowledge base for K-12 reading/language arts instruction and learning, and application of research to the solution of reading/language arts problems.

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• **EDCI 522 - Reading/Language Arts Assessment and Instruction for Classroom Teachers**

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(4)

Prerequisite: EDEL 415 and 416, or EDSE 423, or equivalent, or EDUR status. Course covers formal, informal and curriculum-embedded assessments across the continuum of literacy skill components for K-12 classroom instruction; and skills for screening, diagnosis, and intervention of struggling readers and writers through supervised experience. Seminar 3 hours, laboratory 1 hour.

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• **EDCI 523 - Principles and Practices of Teaching Writing in the Schools**

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(4)

Prerequisite: EDEL 415 and 416 or EDSE 423, or EDUR status, or equivalent. Analysis of writing development and the teaching of written composition skills in K-12 through various writing forms, and use of authentic evaluation procedures. Requires advanced research project.

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• **EDCI 524 - Reading/Language Arts Assessment and Instruction for Reading/Language Arts Specialists**

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(5)

Prerequisite: EDCI 522. Advanced diagnosis of struggling readers and writers; advanced study of instruction; supervised experience in diagnosis and individual and small- group instruction of all students, including English learners and at-risk students. Seminar 3 hours, laboratory 2 hours.

• **EDCI 525 - Integrated Mathematics and Science Methodological Content Literacy**

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(4)

Prerequisites: Completion of all requirements for the Los Angeles Urban Teacher Residency Program Block I. Examination of implications of the use of integrated models of mathematics and science for student learning in urban schools.

• **EDCI 527 - Issues and Trends in Use of Children's Literature**

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(4)

Issues and trends in using children's literature to teach reading, language arts, and other school subjects; analysis of research on literature-based instruction.

• **EDCI 529 - Scientific and Mathematical Processes and Authentic Assessment Strategies**

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(4)

Prerequisites: Completion of all requirements for the Los Angeles Urban Teacher Residency Program, Block II. Emphasis on students' differentiated outcomes resulting from scientific and mathematical inquiry. Develops and adapts assessment strategies based on the needs of diverse students in urban contexts.

• **EDCI 533 - Children's and Adolescents' Reading Materials in Spanish and Other Languages**

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(4)

Prerequisite: Proficiency in Spanish or another language at 300B proficiency level or equivalent. Spanish and multilingual reading materials suitable for development or enrichment of reading/language arts skills at Pre K-12 level in urban classrooms. Fieldwork required.

• **EDCI 535 - Teaching for Cross-Cultural and Global Awareness**

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(4)

Instructional strategies, materials, resources for examining cross-cultural and global education issues in the classroom.

• **EDCI 537 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions (Also listed as EDAD 537)**

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(4)

Prerequisite: Level I credential, enrollment in an induction or Master of Arts degree in Education program. This course presents a new paradigm in teacher leadership to enable teachers to explore the rewards and responsibilities of effective leadership in urban school settings. It also serves as a foundational course for teachers seeking National Board Certification.

• **EDCI 539 - Instructional Strategies for Inner City Schools**

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(4)

Prerequisite: Teaching credential. Instructional strategies, resources, and organizational patterns designed for teaching children and youth of inner city schools. Field work included.

• **EDCI 540A - Reading/Language Arts Clinical Practicum I**

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(2)

Prerequisites: EDCI 524, instructor consent. Supervised experience in small-group instruction with beginning readers, ELL students and students with reading difficulties.

• **EDCI 540B - Reading/Language Arts Clinical Practicum II**

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(2)

Prerequisites: EDCI 524, EDCI 540A, instructor consent. Supervised experience in small-group instruction with beginning readers, ELL students and students with reading difficulties at early and intermediate levels of reading acquisition. May be repeated to a maximum of 4 units.

- **EDCI 541 - Field Work in Reading and Language Arts**

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(4)

Prerequisites: EDCI 540A, and instructor consent. Supervised field experience in organization, administration, and supervision of district/school level reading/language arts programs. This course requires service learning.

- **EDCI 549 - Developing English Reading/Language Arts Skills in Bilingual/Crosscultural Individuals**

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(4)

Prerequisites: EDEL 415 and 416, or EDSE 423, or equivalent, or EDUR status. Analysis of research, curriculum design and selection of materials and strategies for the development of English reading/language arts skills for the culturally/linguistically diverse student.

- **EDCI 550A - Advanced Fieldwork in Curriculum and Instruction in the Classroom**

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(2)

Prerequisite: Level I credential, enrollment in an induction or a Master of Arts degree in Education program. This is an advanced fieldwork course in curriculum and instruction. It is designed to support and assess beginning teachers' skills and knowledge necessary to be effective practitioners and to become knowledgeable about California teaching standards and frameworks. Course includes field experiences in the classroom. Graded CR/NC.

- **EDCI 550B - Advanced Fieldwork in Curriculum and Instruction in the Classroom**

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(2)

Prerequisite: Level I credential, enrollment in an induction or a Master of Arts degree in Education program. This is an advanced fieldwork course in curriculum and instruction. It is designed to support and assess beginning teachers' skills and knowledge necessary to be effective practitioners and to become knowledgeable about California teaching standards and frameworks. Course includes field experiences in the classroom. Graded CR/NC.

- **EDCI 551 - Reflection, Synthesis, Assessment: Induction Portfolio**

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(2)

Prerequisites: Level I teaching credential and teaching experience; Corequisite: EDCI 596. This is a capstone course designed for teachers pursuing a Level II Multiple Subject or Single Subject credential. Teachers demonstrate evidence of knowledge and skills of advanced coursework and teaching experience reflective of present competence and assessment of professional and academic growth achieved during the program. Graded CR/NC.

- **EDCI 552 - Scientific Processes and Authentic Assessment Strategies**

---

(4)

Prerequisite: EDEL 418 or EDSE 421C or equivalent. The course emphasizes scientific behavior through the process of scientific inquiry. It explores the field of assessment to provide insights into the acquisition of scientific behaviors by students and teachers. Includes 20 hours of laboratory.

- **EDCI 553 - Environmental Science Education in the Urban Setting**

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(4)

Prerequisite: EDEL 418 or EDSE 421C or equivalent. An intradisciplinary course, illustrating the interaction of science application and the environment. Exploration of urban environmental sources for research and experimentation, provides field laboratory experiences. Includes 20 hours of laboratory.

- **EDCI 554 - Research and Methods for Teaching in Bilingual/Cross-cultural Classrooms**

---

(4)

Prerequisites: Graduate Status, Teaching Credential, TESL 560 or consent of instructor. Exploration and application of research-based pedagogy in programs for English learners in bilingual/cross-cultural and dual language classrooms. Includes focus on SDAIE and assessment. Fieldwork required.

- **EDCI 555 - Seminar: Teaching Middle School Science Research, 4-7**

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(4)

Prerequisites: EDEL 418 or EDSE 421C or equivalent. Exploration of research in science education curricula containing embedded assessment and multicultural components. Participants learn scientific research through application of long term science projects with their pupils. Includes 20 hours of laboratory.

- **EDCI 556 - Inquiry into Methods of Teaching Academic Literacy in the Target Language**

---

(4)

Prerequisite: Target language fluency at the 300B level and graduate status or consent of instructor. Curriculum, research and pedagogy in literacy in the target language grades K-12, for speakers of that language or for speakers English in bilingual programs. Instruction partly in the target language. Fieldwork is required.

- **EDCI 557 - Research and Pedagogy for the Bilingual Learner: Exploring Cultural Impact (also listed as CHS 557/AAAS 450)**

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(4)

Prerequisite: Teaching credential, graduate status or consent of instructor. Traditions, roles, status, communication patterns of culture as experienced in specified country(ies) and the U.S. Cross-/inter-/intra-cultural relationships/interactions and cultural contributions in California and the U.S. [i.e. Chicano/Latino; Chinese/Chinese American]. Fieldwork is required. Course conducted bilingually in target language and English.

- **EDCI 558 - Reflection, Synthesis, and Assessment: Bilingual Authorization Portfolio**

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(2)

Prerequisites: Admission restricted to Bilingual Authorization Certificate Candidates. Teaching credential and teaching experience. This is a capstone course designed for candidates pursuing Bilingual Authorization Certificate. Candidates demonstrate evidence of knowledge and skills of advanced coursework and bilingual teaching experience reflective of professional and academic growth achieved during the program. Graded CR/NC. Fieldwork required.

- **EDCI 560 - Principles and Practices of Curriculum in Urban Schools**

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(4)

Curricular trends in historical perspective; sociological change, research in child growth and development, basic philosophies. Objectives, practices, materials, evaluation in curriculum development process.

- **EDCI 583 - Application of Hypermedia in Instruction**

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(4)

Prerequisites: EDIT 430, teaching credential. Hands-on instruction in uses of hypermedia for teaching in K-12 schools; strategies for use of hypermedia by both teachers and students to enhance instruction.

- **EDCI 584 - Learning Theories and Cognitive Science in Math Education**

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(4)

Survey and analysis of theories and research in cognitive science and learning theories in mathematics education: cognitive technologies, students' systematic errors, gender and cultural issues.

### • **EDCI 585 - Characteristics of Social Change in Urban Schools**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Exploration of the connections between the role of research, the theories of social and cultural foundations of education, and practical realities of social change in local communities.

### • **EDCI 588A - Communities of Understanding Residency Laboratories**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block and residency I block of the program. Student must be advanced to candidacy. Practicum with faculty and community partners includes elements of proposing and conducting research, faculty and student examination of research process. Must be taken concurrently with EDSE 597.

### • **EDCI 588B - Communities of Sharing Residency Laboratory**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block and residency I block of the program. Student must be advanced to candidacy. Practicum with faculty and community partners includes elements of proposing and conducting research, faculty and student examination of research process. Students will begin dissemination of preliminary research findings. Must be taken concurrently with EDSE 598.

### • **EDCI 588C - Communities of Action Residency Laboratory**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block and residency I block of the program. Student must be advanced to candidacy. Continuing practicum with Faculty supervision and student peers to finalize and present action research and portfolio projects. Must be taken concurrently with EDSE 596.

### • **EDCI 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

### • **EDCI 599A - Thesis or Project Planning**

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(3)

Prerequisites: EDFN 452 and 500, advancement to candidacy, written approval of thesis chair. Prior to completion, student will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

### • **EDCI 599B - Thesis or Project**

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(2)

Prerequisites: EDCI 599A, written approval of thesis committee chair. Prior to completion student will have submitted a final draft of thesis or project proposal to thesis committee. Graded CR/NC.

### • **EDCI 599C - Thesis or Project**

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(2)

Prerequisites: EDCI 599B, written approval of thesis committee chair. Completion of thesis or project under direct supervision of thesis committee. Graded CR/NC. Courses in Elementary Education (EDEL)

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- **EDSE 510A - Characteristics and Needs of Urban Secondary Students**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Implications of planning and management choices on specific student populations, understanding of strategies for differentiation of instruction, and exploration of cultural understandings of students within targeted urban communities.

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- **EDSE 510B - Instructional Strategies for Urban Schools**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of residency I block of the program. Implications of the use of pedagogical and instructional models for student learning, understanding of strategies for differentiation of instruction, and exploration of cultural understandings of students within targeted urban communities.

### **Curriculum and Instruction (Doctoral)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.*

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- **EDCI 602 - College Teaching Practicum**

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(4)

Prerequisites: Advanced Ed.D. standing, and consent of instructor. A minimum of one quarter supervised teaching in college level classes under the supervision of the course instructor. Required of all doctoral candidates in the UCR/CSU Joint Doctoral Program. Fulfills teaching portion of Ed.D. requirements. Graded CR/NC.

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- **EDCI 630A - Curriculum Theory and Praxis in Education**

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(4)

Prerequisite: Admission into UCR/CSU Joint Doctoral Program. Covers analysis of curriculum theories, trends innovations, and instructional strategies.

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- **EDCI 635 - Teachers, Leadership, and Power in Urban Schools**

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(3\*)

Prerequisite: Admission to doctoral program. Analysis of research, policy, and practice on teacher leadership in instruction and school culture; barriers created by school structures and teaching culture; teacher leadership impact on school reform, student outcomes. Graded ABC/NC

\*Semester Units

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- **EDCI 659 - Research Seminar**

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(2)

Prerequisites: Completion of advanced methodology courses and consent of the instructor. Research reports on topics in educational domains, such as curriculum and instruction. Seminar, 2 hours. Graded credit or no credit. May be repeated for credit.

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- **EDCI 660 - Teaching and Learning in Diverse Urban Settings: Equity, Access, and Achievement**

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(3\*)

Prerequisite: Admission into doctoral program. Historical, political, and sociohistorical, perspectives of curriculum theory and its relationship to schooling; curricular foundations of instructional leadership for equity in urban schools; curriculum as context for teaching and learning.

\*Semester Units

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- **EDCI 669 - Topics in Education**

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(4)

Prerequisite: Admission into doctoral program. Covers a single topic not contained in a regular course. Course will function as a proseminar in School Curriculum and Instructional Leadership, introducing Ed-D. students to CSU and UCR faculty in this area and their research.

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- **EDCI 675 - Advanced Pedagogical Strategies for Achieving Equity**

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(3\*)

Prerequisite: Admission to Doctoral Program. Cultural competence necessary to promote instructional, policies and practices that value difference and ensure equity in effective organizations; advanced instructional strategies that stimulate cognitive and academic development of diverse students.

\*Semester Units

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- **EDCI 677 - Leadership in Curriculum and Assessment for Linguistically and Culturally Diverse Urban Students**

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(3\*)

Prerequisite: Admission into Doctoral Program. Theories/practices or curriculum and assessment; curriculum contexts, change, continuity, articulation, and censorship; cutting edge content trends; resource optimization for transforming curriculum; constructing evidence-based decision-making cultures that improve student outcomes. Graded ABC/NC.

\*Semester Units

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- **EDCI 699 - Doctoral Dissertation**

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(6)

Prerequisite: Advancement to candidacy for the doctoral degree and consent of instructor to act as sponsor. Continuous enrollment required while student is working on dissertation. May be repeated to maximum of 12 units.

#### Dance (Undergraduate)

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- **DANC 100A - Beginning Ballet**

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(3)

Activities to develop technical skills at the beginning ballet level. Supporting information including ballet vocabulary and historical developments. Nonmajors may repeat to a maximum of 9 units.

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- **DANC 100B - Beginning Ballet**

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(3)

Prerequisite: DANC 100A or instructor consent. Beginning ballet technique emphasizing additional materials for ballet barre, center practice and vocabulary. Introduction of contemporary concepts in the classical idiom. Nonmajors may repeat to maximum of 9 units.

- **DANC 100C - Beginning Ballet**

---

(3)

Prerequisite: DANC 100B or instructor consent. Beginning technique emphasizing center practice, classical and contemporary enchainments. Introducing styles of ballet, historical information relevant to the style and form. Nonmajors may repeat to maximum of 9 units.

- **DANC 120A - Beginning Jazz Dance**

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(3)

Activities designed to develop beginning skills in jazz dance accompanied by background information relevant to the dance form. May be repeated to maximum of 9 units.

- **DANC 120B - Beginning Jazz Dance**

---

(3)

Prerequisites: DANC120A or Instructor Consent. Activities to develop technical skills at the intermediate-beginning jazz dance level. Supporting information including jazz vocabulary and historical developments. May be repeated to a maximum of 9 units.

- **DANC 120C - Beginning Jazz Dance**

---

(3)

Prerequisite: DANC120B or instructor consent. Activities to develop technical skills at the advanced-beginning jazz dance level. Supporting information including jazz vocabulary and historical developments. May be repeated to a maximum of 9 units.

- **DANC 135 - Therapeutic Uses of Dance**

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(1)

Dance therapy as a process that affects an individual's transformation of ongoing energy flow to overt body movement to imagery to verbalization. May be repeated to maximum of 3 units.

- **DANC 140A - Beginning Modern Dance**

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(3)

Activities to develop technical skills in modern dance at the beginning level. Relevant modern dance vocabulary; historical developments presented. Nonmajors may repeat to maximum of 9 units.

- **DANC 140B - Beginning Modern Dance**

---

(3)

Prerequisite: DANC 140A or instructor consent. Beginning modern technique emphasizing center practice, traditional and contemporary combinations. Introducing modern dance history, exploring technical styles, creative studies. Nonmajors may repeat to maximum of 9 units.

- **DANC 140C - Beginning Modern Dance**

---

(3)

Prerequisite: DANC 140B or instructor consent. Beginning modern dance technique, emphasizing center practice, floor work, relevant modern dance vocabulary. Introducing contemporary concepts in the classical idiom. Nonmajors may repeat to maximum of 9 units.

- **DANC 154 - Special Topics in Dance**

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(1)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **DANC 157 - Crosscultural Themes in Dance**

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(4)

Analyzing developments in dance and cultivating imagination and sensitivity to cross-cultural themes in human behavior. Understanding ongoing cultural dance traditions. Lecture 3 hours; activity 1 hour.

**GE C2**

- **DANC 160 - Beginning Tap Dance**

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(2)

Activities designed to develop beginning skills in tap accompanied by background information relevant to the dance form. May be repeated to maximum of 6 units.

- **DANC 200A - Intermediate Ballet**

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(3)

Prerequisite: TAD major, DANC 100C, or instructor consent. Activities developing skills at intermediate level of ballet. Material on vocabulary and relevant theoretical considerations. Beginning a foundation of knowledge of ballet aesthetics. May repeat to a maximum of 6 units.

- **DANC 200B - Intermediate Ballet**

---

(3)

Prerequisite: DANC 200A or instructor consent. Activities developing skills at the intermediate level. Supporting materials on vocabulary and relevant theoretical considerations. Continued building of the foundation of knowledge of ballet aesthetics. May repeat to a maximum of 6 units.

- **DANC 200C - Intermediate Ballet**

---

(3)

Prerequisite: DANC 200B or instructor consent. Activities to continue mastering intermediate ballet technique. Supporting materials on vocabulary, relevant theoretical information and broadening knowledge of ballet aesthetics. May repeat to maximum of 6 units.

- **DANC 210 - Body and Identity in Dance, Theatre, Film**  
(also listed as TVF and TA 210)

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(4)

The aesthetic bases of dance, theatre and mass media will be established using the human body as core focus. Exploration of body representation as affected by culture, gender and class.

**GE C2**

- **DANC 220A - Intermediate Jazz Dance**

---

(3)

Prerequisite: DANC 120C or instructor consent. Activities designed to develop intermediate skills in jazz dance accompanied by background information relevant to the dance form. May be repeated to maximum of 9 units.




- **DANC 220B - Intermediate Jazz Dance**

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(3)

Prerequisite: DANC 220A or instructor consent. Activities to develop technical skills at the advanced-intermediate jazz dance level. Supporting information including jazz vocabulary and historical developments. May be repeated to maximum of 9 units.

## Course Descriptions

  [Contract All Courses](#) |  [Print this Page](#)

### Dance (Undergraduate)

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#### • **DANC 220C - Intermediate Jazz Dance**

(3)

Prerequisite: DANC 220B or instructor consent. Activities to develop technical skills at the advanced-intermediate jazz dance level. Supporting information including jazz vocabulary and historical developments. May be repeated to maximum of 9 units.

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#### • **DANC 240A - Intermediate Modern Dance**

(3)

Prerequisite: TAD major, DANC 140C, or instructor consent. Activities to develop technical skills at the intermediate modern dance level. Relevant modern dance vocabulary and varied theories presented. May repeat to maximum of 6 units.

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#### • **DANC 240B - Intermediate Modern Dance**

(3)

Prerequisite: DANC 240A or instructor consent. Intermediate modern dance technique emphasizing center and across floor materials; relevant dance vocabulary and aesthetic considerations. Set and original combinations from varied theorists. May repeat to maximum of 6 units.

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#### • **DANC 240C - Intermediate Modern Dance**

(3)

Prerequisite: DANC 240B or instructor consent. Intermediate modern dance technique emphasizing center and across floor materials; choreographic sequences introduced; varied theories presented; relevant dance vocabulary and aesthetic considerations. May repeat to maximum of 6 units.

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#### • **DANC 254L - Special Topics in Dance**

(1–3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

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#### • **DANC 254P - Special Topics in Dance**

(1–3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

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#### • **DANC 255 - Afrocaribbean Dance**

(2)

This course is designed to teach fundamental Afro-Caribbean dance techniques by providing a thorough examination of West African dances

as they evolved in the Caribbean: Cuba, Puerto Rico, Jamaica, Haiti, and Trinidad and Tobago.

- **DANC 256 - Salsa and Contemporary Latin American Dance Practices**

---

(2)

Introduction to dance practices of Contemporary Latin America including Salsa, Rueda Casino, Chachacha, Cumbia, and Merengue. Includes basic movement skills and understanding of improvisational and choreographic processes used.

- **DANC 260 - Intermediate Tap Dance**

---

(2)

Prerequisite: DANC 160. Techniques and practice of tap dance; single, duple, triple, and quadruple tap sounds combined in rhythmic sequences and developed into dances. May be repeated to maximum of 6 units.

- **DANC 272 - Choreography I: Improvisation**

---

(3)

Prerequisites: TAD Major or instructor consent; DANC 140A; DANC 100A. Improvisational techniques utilizing dance movements to develop individual/group sensitivities, concentration and discoveries to begin the forming process used in creating dances. May be repeated to maximum of 12 units.

- **DANC 300 - Advanced Ballet**

---

(2)

Prerequisite: TAD major, DANC 200C, or instructor consent. Continued development of technical skills, choreographic combinations, knowledge of history and styles: Italian, Russian, French, English, Danish, American. May repeat to maximum of 12 units.

- **DANC 320 - Advanced Jazz Dance**

---

(2)

Prerequisite: DANC 220C or instructor consent. Expanded development of skills, knowledge, analysis ability, and study of application of elements of jazz dance in solo and group work. May be repeated to maximum of 6 units.

- **DANC 340 - Advanced Modern Dance**

---

(2)

Prerequisite: TAD major, DANC 240C, or instructor consent. Continued development of technical skills, creative dance study, knowledge of history and aesthetics appropriate for the advanced level of modern dance. May be repeated to maximum of 12 units.

- **DANC 357 - Creative Experiences for Health and Wellness**  
(also listed as ART 357, and TA 357)

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(4)

Prerequisites: ART 209 or MUS 150 or 160; DANC 157 or TA 152 or HS 150. Exploring health and wellness through participation in the creative arts - dance, visual arts, music and theatre arts.

- **DANC 360 - Advanced Tap Dance**

---

(2)

Prerequisites: DANC 260 or Instructor consent. Expanded development of tap skills. Study of advanced elements of Swing tap, Rhythm tap and Jazz tap. May be repeated to a maximum of 6 units.

## **DANC 372 - Choreography II: Dance Composition**

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(3)

Prerequisite: TAD major; DANC 272; or instructor consent. Principles of dance composition through individual experiences with varied stimuli, differing construction processes, simple musical forms. May be repeated to maximum of 12 units.

## **• DANC 400 - Creative Dance in the Elementary Classroom**

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(3)

Exploration/integration of artistic perception, creative expression, historical/cultural contexts, aesthetic valuing as components of teaching/learning through dance. Meets 4 hours weekly.

## **• DANC 401 - Dance Techniques and Creativity in Elementary Education**

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(4)

Prerequisite: DANC 400. Ballet basics, modern dance technique, improvisation and creative problem solving for the elementary educator. Viewing and critical analysis of dance.

## **• DANC 435A - Dance Movement and Identity**

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(4)

Prerequisite: DANC 157, DANC 400 or instructor consent. Theoretical framework, conceptual development and practice of using dance to promote awareness, insight and growth, allowing for integration of cognitive, emotional and physical functions. Lecture 2 hours, activity 2 hours.

## **• DANC 435B - Dance Movement and Identity**

---

(4)

Prerequisite: DANC 157, DANC 400 or instructor consent. Theoretical framework, conceptual development and practice of using dance to promote awareness, insight and growth, allowing for integration of cognitive, emotional and physical functions. Lecture 2 hours, activity 2 hours.

## **• DANC 435C - Dance Movement and Identity**

---

(4)

Prerequisite: DANC 157, DANC 400 or instructor consent. Theoretical framework, conceptual development and practice of using dance to promote awareness, insight and growth, allowing for integration of cognitive, emotional and physical functions. Lecture 2 hours, activity 2 hours.

## **• DANC 454L - Special Topics in Dance**

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(1–3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

## **• DANC 454P - Special Topics in Dance**

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(1–3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

## **• DANC 461 - Ethnic Dance**

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(4)



Prerequisite: DANC 372. Study of specific ethnic cultures and the political, social, economic and religious structures that influence and shape their dances, music, movement and meaning. Content varies.

- **DANC 470 - Theory and Analysis of Dance**

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(3)

Prerequisite: KPE Single Subject Credential Major with an option in Dance, TAD major, or instructor consent; advanced level in dance technique. Theory, analysis, and advanced performance of dance; structural elements, rhythm, creativity, and selection of accompaniment. Lecture 2 hours, demonstration laboratory 2 hours each.

- **DANC 471 - Rhythmic Form and Analysis for Dance**

---

(3)

Prerequisites: DANC 140C, DANC 272. Historical analysis of rhythmic elements inherent in music and movement; application and appreciation of their organization as a basis of form in dance. Seminar 1 hr, Laboratory 3 hours.

- **DANC 472 - Choreography III: Advanced Dance Composition**

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(3)

Prerequisite: TAD major, DANC 372, or instructor consent. Application of principles/materials of dance, developing solo and group dances for concert productions. Applied theories of contemporary choreographers/their composers. May be repeated to maximum of 12 units.

- **DANC 475 - Choreographic Accompaniment**

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(3)

Corequisite: DANC 476A or Instructor consent. Analysis of music for dance from historical periods. Students' choreographies reflective of primitive through 21st Century musical forms, compositions. Seminar 1 hr, Laboratory 3 hours.

- **DANC 476A - Dance History - Antiquity Through Nineteenth Century**

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(4)

Prerequisite: DANC 272. Surveys dance practices antiquity through nineteenth-century, examining major developments in western theatrical dance, Asian dance theater, and North American folk/ritual practices. Approaches dance as enactment/component of larger cultural, socio-political history.

- **DANC 476B - Dance History - Twentieth and Twenty-First Century**

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(4)

Prerequisite: DANC 272. Surveys contemporary dance practices, examining major developments and emerging trends in classical ballet, western modern dance, and world dance forms. Approaches dance as enactment/component of larger cultural, socio-political history.

- **DANC 477 - Multicultural Approaches to Dance**

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(4)

Prerequisite: DANC 400. Experiencing world dance forms. Multicultural approaches to analyzing dance movement as it preserves and reflects cultural beliefs, traditions and ceremonies of diverse cultures. Includes Field trips.

- **DANC 478 - Choreography for Camera**

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(3)

Prerequisite or corequisite: DANC 472; TVF 201 recommended. Investigation and application of choreographic principles appropriate to television and/or cinema. Lecture 2 hours, laboratory 2 hours.

- **DANC 480 - University Dance Ensemble**

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(2)

Prerequisite: Instructor consent. Preparation of lecture-demonstrations and dance performances. May be repeated to maximum of 12 units.

- **DANC 483 - University Dance Ensemble Tour**

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(3)

Prerequisite: DANC 480 or instructor consent. Rehearsals and tour into community / schools of dance concert and/ or lecture-demonstration. Satisfies core requirement of performance practicum in the community. May be repeated to maximum of 6 units.

- **DANC 484 - Educational Dance Tour**

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(3)

Prerequisite: DANC 400 or 477 or instructor consent. Rehearsals and tour into schools of material generated in Dance Arts Literacy or experiential survey courses. Practicum in integrating arts into elementary education. May be repeated to maximum of 6 units.

- **DANC 485 - Dance Production for the 21st Century**

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(3)

Prerequisite: DANC 472 or instructor consent. Experimentation and preparation of dance materials for performance; choreography, directing, lighting, costuming, and/or make-up for dance. May be repeated to 12 units. Lecture 1 hour, laboratory 4 hours.

#### **Economics and Statistics (Undergraduate)**

*Upper division status is prerequisite to enrollment in 300- and 400- level ECON courses.*

- **ECON 109 - Quantitative Reasoning with Statistics  
(also listed as MATH 109)**

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(4)

Prerequisite: Completion of required remediation, if required, or a score of 50 or above on the ELM requirement. Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications. Graded ABC/NC

**GE A4**

- **ECON 150 - Economics for the Citizen**

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(4)

Analysis of contemporary American economic problems. Topics may include inflation, unemployment, discrimination, costs and benefits of control of crime, and pollution.

**GE D**

- **ECON 201 - Principles of Economics I: Microeconomics**

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(4)

Basic concepts and tools of economic analysis; prices and outputs, marketing structures, wages and profits; international trade and effects of tariffs.

- **ECON 202 - Principles of Economics II: Macroeconomics**

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(4)

Prerequisite: ECON 201. Concepts and tools of aggregate economic analysis; inflation, unemployment, balance of payments, national income; determinants of the level of economic activity; money and banking; the role of government.

- **ECON 209 - Applied Business and Economic Statistics I**

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(4)

Prerequisite: MATH 091 or satisfactory score on mathematics placement examination. Elementary business and economics statistics with computer applications; descriptive statistics, frequency distribution, probability, sampling distribution, estimation, and significance tests. Some sections may be technologically mediated.

- **ECON 303 - Money, Banking, and the Economy**

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(4)

Prerequisite: ECON 202. Nature and flow of money and credit; influence on prices, production, and employment; the Federal Reserve and banking systems; national income, and international monetary relations.

- **ECON 309 - Applied Business and Economic Statistics II**

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(4)

Prerequisites: ECON 209 and MATH 102 or MATH 104A. Data analysis using spreadsheet software: sampling, testing and statistical inference; study of relationships between variables within business contexts; regression, correlation and time-series analyses with business applications including forecasting. Some sections may be technologically mediated.

- **ECON 310 - Managerial Economics**

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(4)

Prerequisites: ECON 201 (ECON 309 recommended). Managerial application of microeconomic principles; emphasis on real world issues for business decision-making. Applied subjects include empirical analysis of sales and costs, pricing practices, nonprice competition, and government intervention.

- **ECON 350 - Economics of Poverty and Inequality in the U.S.**

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(4)

Prerequisite: ECON 150, 201, or 202. Concept and measurement of poverty; analysis of both economic causes and effects of poverty; policy implications and remedies.

- **ECON 360 - Developing Countries and the New Global Economy**

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(4)

Prerequisites: Completion of GE Basic Subjects (Block A) and one course from Block D. Overview of economic factors that influence the development and participation of today's developing countries in the global economy; problems with economic transition, environment, technology, and impact of global financial, trade, and investment systems. Some sections may be technologically mediated. GE Theme A

- **ECON 391 - Quantitative Methods for Business Decisions**

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(4)

Prerequisite: ECON 309. Techniques of gathering, deciphering, evaluating and using data to make effective business decisions; covers data collection, survey sampling, decision making under uncertainty and forecasting; team projects (involving the use of Internet resources or survey sampling) and report writing are required.

- **ECON 401 - Mathematical Economics**

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(4)

Prerequisites: ECON 303, MATH 206 or 242 (ECON 310 recommended). Mathematical treatment of economic problems with emphasis on optimization models, using calculus and matrix algebra.

- **ECON 403 - Macroeconomics**

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(4)

Prerequisites: MATH 242 or 206–207; ECON 303. Macroeconomic theory; determination of national income, theories of aggregate consumption, investment, unemployment, the price level; national income and product accounts; theory of growth.

- **ECON 410 - Microeconomics**

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(4)

Prerequisite: ECON 401. Advanced microeconomic theory; economic analysis and evaluation of market system of resource allocation and income distribution.

- **ECON 412 - Development of Economic Thought**

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(4)

Prerequisite: ECON 202. Intellectual origins and evolution of modern economic thought.

- **ECON 414 - Econometrics I**

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(4)

Prerequisites: ECON 209 and 401. Use of statistics to measure economic relationships, test economic theories, and prepare forecasts; emphasis on advanced regression techniques and data analysis; use of computer software.

- **ECON 415 - Applied Economic and Business Forecasting**

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(4)

Prerequisite: ECON 309 or 414. Hands-on training for forecasting economic/business trends with major proprietary computer software used by professionals; main concepts and modeling techniques in forecasting; diagnostic checking; model selection; forecast evaluation and reporting.

- **ECON 416 - Econometrics II**

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(4)

Prerequisite: ECON 414. Advanced topics in econometrics with a focus on multiple equation models and their application to business and economic analysis.

- **ECON 426 - International Political Economy**  
(also listed as POLS 426)

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(4)

Prerequisites: Four units each of ECON and POLS courses. Interaction of politics and economics in the international arena.

- **ECON 430 - Labor Economics**

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(4)

Prerequisite: ECON 202. Use of labor resources in economic system; employment, wage rates, development of unions and collective bargaining; labor legislation.

- **ECON 433 - Economics of the Public Sector**

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(4)

Prerequisites: ECON 201 and 202. Role of government in the economy; discussions of issues in social security, social welfare, public education, budget deficit and debt, government taxation, and fiscal policy.

• **ECON 434 - Environmental Economics (4)**

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Prerequisite: ECON 150 or 201. Economic principles that apply to environmental issues; measuring economic cost of environmental damage; evaluation of public policies designed to address environmental problems resulting from market activities.

• **ECON 435 - Market Indicators and Federal Reserve Policy**

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(4)

Prerequisite: ECON 303. Analysis of Federal Reserve policy on interest rates; evaluation of market reports of economic indicators; effects on financial markets; leading/coincident/lagging indicators; business cycles and financial cycles.

• **ECON 440 - Urban and Regional Economics**

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(4)

Prerequisite: ECON 201. Role of economic analysis in dealing with urban and regional problems; growth, land use, housing, transportation, and income distribution; emphasis on role of economic models in policy making.

• **ECON 454 - Special Topics in Economics and Statistics**

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(1–4)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for 16 units as subject matter changes.

• **ECON 458 - Economics of E-Commerce and the Internet**

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(4)

Prerequisite: ECON 202. Economic analysis of electronic commerce and the Internet, including product quality uncertainty, product choices and online pricing strategies, online auctions, intellectual property rights, taxation, and regulatory issues.

• **ECON 459 - Economics of Innovation and Entrepreneurship**

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(4)

Prerequisites: ECON 201 (ECON 458 recommended). Issues for start-up companies in fostering innovations, evaluating entrepreneurial ventures, formulating entry strategies, building revenue models, raising venture capital, obtaining external assistance, protecting intellectual property, and harvesting new ventures.

• **ECON 460 - Economics of Developing Countries**

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(4)

Prerequisite: ECON 150, 201, or 202. Contemporary economic issues in developing countries; theories of development; problems with population growth, investment, technology, and entrepreneurship; role of trade and international finance; foreign aid and external debt; government policy.

• **ECON 461 - Economics of International Trade**

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(4)

Prerequisite: ECON 202. Economic analysis of how and why commodities are traded among nations; tariffs and quotas; common market and other international institutions.

• **ECON 462 - International Monetary Economics**

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(4)

Prerequisite: ECON 202. Analysis of International bond and currency markets and their dynamic relationships with economic fundamentals; implications of fiscal and monetary policies for financial markets; speculative attack and currency crisis management.

### • **ECON 465 - Current Issues in Latin American Economies**

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(4)

Prerequisite: ECON 150 or ECON 202. Analysis of the factors that determine the economic performance of Latin American countries, covering topics such as financial liberalization, currency crises, balance of payments crises, and trading blocks.

### • **ECON 472 - Labor Relations and Collective Bargaining**

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(4)

Prerequisite: ECON 202. Recommended corequisite: ECON 430. Relations between employers and employees as the latter are represented by organized labor; collective bargaining as it relates to recognition, wages, hours, working conditions, grievance procedure, seniority, and health and safety.

### • **ECON 473 - Labor Legislation**

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(4)

Federal and state labor laws and policies; legislation that protects employees; regulation of labor management relations; Social Security; contemporary legal issues and problems.

### • **ECON 490 - Issues in the Economics of Globalization**

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(4)

Prerequisites: ECON 201 and 202. Contemporary issues in globalization and international monetary cooperation, including international capital flows, central banking in emerging market economies, international debt, global and regional economic integration and international economic policy coordination.

### • **ECON 491 - Data Analysis, Reporting and Presentation**

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(4)

Prerequisite: Upper division required courses for Applied Economics option. Use of a major statistical software package for data analysis; introduction to widely used economic databases; data presentation; research report writing and oral presentation.

### • **ECON 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: Economics major, senior standing, and consent of an instructor to act as sponsor; ability to assume responsibility for independent work and to prepare oral and written reports. Project to be selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for 20 units of credit.

#### **Economics and Statistics (Graduate)**

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser. Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 500-level courses.*

### • **ECON 500 - MBA Economics**

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(4)

Economics for MBA students: markets, demand, consumer behavior, nature of firms, measuring economic activity, inflation unemployment, money and banking, and the role of the government. Some sections may be technologically mediated.

- **ECON 501 - Quantitative Methods for Business Decision-Making**

---

(4)

Statistics and quantitative methods including descriptive statistics, statistical inference, hypothesis testing, correlation and regression, time series forecasting, inventory models, simulation, queuing, and decision under uncertainty. Some sections may be technologically mediated.

- **ECON 510 - Seminar: Applied Microeconomic Analysis**

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(4)

Prerequisite: ECON 410. Modern microeconomic theory and applications: empirical modeling of demand, cost, and production; practical illustrations of such applied topics as pricing practices of firms and public policy issues.

- **ECON 511 - Seminar: Advanced Microeconomic Theory**

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(4)

Prerequisite: ECON 510. Continuation of ECON 510 with emphasis on general equilibrium analysis, capital theory, and intertemporal resource allocation.

- **ECON 514 - Seminar: Econometric Analysis and Applications**

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(4)

Prerequisite: ECON 414. Applying econometric techniques to analyze real-world problems in such areas as finance, economics, accounting and marketing; emphasis on empirical data analysis using popular statistical packages, case studies and reports.

- **ECON 520 - Seminar: Macroeconomics and Monetary Policy**

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(4)

Prerequisite: ECON 403. Major macroeconomic issues and policy debates; consumption and investment behavior; government debt; wage/price rigidities; inflation, unemployment and stabilization policies; implementation of monetary policy.

- **ECON 521 - Seminar: International Macroeconomics and Currency Crises**

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(4)

Prerequisite: ECON 403 or 462 or 490. Major issues in international capital flows and currency fluctuations; exchange rates and central-bank intervention; financial crisis analysis and management; financial vulnerability indicators; contagion of financial crises.

- **ECON 526 - Seminar: International Political Economy**  
(also listed as POLS 526)

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(4)

Prerequisites: ECON/POLS 426 or ECON 461 plus POLS 427. Research and analysis of the interactions of politics and economics in the international arena.

- **ECON 530 - Seminar: Applied Labor Economics**

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(4)

Prerequisites: ECON 309 or equivalent business statistics course. Study of various labor market issues using national data. Use of SPSS or SAS for data analysis; includes issues on wages, employment, education, discrimination and public and social policies.

- **ECON 533 - Seminar: Public Finance**

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(4)

Prerequisite: ECON 433. Microeconomics treatment of theories and policy implications of government expenditures and taxation, collective decision-making, and fiscal federalism.

- **ECON 560 - Seminar: Current Issues in Economic Development**

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(4)

Prerequisite: Intermediate microeconomics and macroeconomics. In-depth analysis of contemporary economic issues in developing countries, for example, population growth, domestic and foreign investment, technology, trade, foreign aid, external debt, and government policy.

- **ECON 561 - Seminar: International Economics**

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(4)

Prerequisites: ECON 303 and 310. Analysis of current international issues concerning cross-border trade and capital flows; methods of trade policy analysis; implications of regional and global economic integration.

- **ECON 598 - Graduate Directed Study**

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(1–4)

Investigation of an approved project leading to an oral and/or written report; project selected in conference with seminar professor before registration, and arrangements made for regular meetings during quarter. May be repeated for credit.

- **ECON 599A - Thesis**

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(2)

Prerequisites: Completion of required core courses, written approval of graduate adviser. Prior to completion, students will have completed a tentative outline of thesis, petitioned the graduate adviser to appoint a thesis committee, and submitted a tentative outline to their thesis committee. Graded CR/NC.

- **ECON 599B - Thesis**

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(3)

Prerequisites: ECON 599A, written approval of thesis committee chair. Completion of thesis under direct supervision of thesis committee. Graded CR/NC.

#### Education (Undergraduate)

- **EDUC 101 - Introduction to Higher Education in the Charter College of Education**

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(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded ABC/NC

Freshman IHE and BLOCK E

- **EDUC 301 - Transition to Cal State LA and the Charter College of Education**

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(2)

Orientation to Cal State Los Angeles and the Charter College of Education; the development of skills for successful transition to this campus; ABC/NC; NIS Acct. Required

- **EDUC 437 - Contemporary Issues in knowledge, Culture, and Education**

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(4)

Theoretical approaches to understanding the construction of knowledge in and through culture. Contemporary issues, and problems in a diverse learning community.



## **Educational Administration (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program*

- **EDAD 501A - Introduction to Educational Administration**

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(4)

Co-requisite: Must be taken concurrently with EDAD 501B. This course examines professional changes in the transition to leadership roles and investigates and integrates the Educational Administration performance standards required by the CCTC candidate assessment portfolios.

- **EDAD 501B - Laboratory for Educational Administration Digital Portfolios**

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(2)

Co-requisite: Must be taken concurrently with EDAD 501A. Students develop and implement technology skills and knowledge needed to create Educational Leadership digital portfolios for culminating assessment in student performance and competence as required by the CCTC. A minimum of twenty hours of laboratory is required.

- **EDAD 505 - Leadership Use of Research Methodology**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with a credit grade. This course is designed for prospective administrators to acquire knowledge and skills for the use of information technology to facilitate education research.

- **EDAD 508 - Leadership for Organizational Transformation**

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(4)

Prerequisite: EDAD 430. Corequisite: Must be taken with EDAD 580A concurrently. Theories, research, and practice in leadership, administrative process redesign, and technology for organizational transformation. Candidates plan portfolios that include a plan for professional and academic growth.

- **EDAD 516 - Leadership in Current, Social and Political Issues**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective administrators to acquire knowledge and skills related to social, political, and historical forces affecting education and their effect on leadership trends, legislation, research and societal issues.

- **EDAD 520 - Instructional Leadership**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective administrators to acquire curricular skills in implementation and evaluation of instructional programs. Some course sections may require service learning.

- **EDAD 521 - Leadership in Human Resource Development**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective administrators to acquire leadership skills in attracting, developing and instructing personnel (includes 15 hours of fieldwork).

- **EDAD 530 - Leadership in School Law**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective school administrators to acquire knowledge and skills in legal issues related to diverse student populations and related school practices; cultural democracy emphasized.

### • **EDAD 533 - Legal Research in Educational Administration**

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(3)

Prerequisite: Effects of laws, legal materials, judicial decisions on school operations. Techniques of legal research and its relation to school administration.




### • **EDAD 536 - Special Seminar: Problems in School Administration**

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(1-5)

Prerequisite: Administrative Services credential. Theoretical and practical aspects of special problems in school administration; specific topic announced in Schedule of Classes. Course does not meet credential requirements. May be repeated to maximum of 5 units.

## Course Descriptions

  [Contract All Courses](#) |  [Print this Page](#)

### Educational Administration (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.

Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program

- **EDAD 537 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions**  
(Also listed as EDCI 537)

(4)

Prerequisite: Level I credential enrollment in an induction or Master of Arts in Education program. This course presents a new paradigm in teacher leadership to enable teachers to explore the rewards and responsibilities of effective leadership in urban school settings. It also serves as a foundational course for teachers seeking National Board Certification.

- **EDAD 539 - Seminar: Leadership through Personnel & Contract Administration**

(3)

Prerequisites: Admission to EDAD Professional Credential Program. Examination of the practices and procedures affecting employer-employee relationships in the collective bargaining process and contract administration.

- **EDAD 540 - Leadership in School Finance**

(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective administrators to acquire knowledge and skills in the fundamentals of school finance and the essential leadership strategies related to managing financial issues related to diverse student populations and related school practices.

- **EDAD 543 - Seminar: Advanced Fiscal Management**

(3)

Prerequisites: EDAD 539. Theory and practices of school business and facility management including accounting, purchasing, and supply management; evaluation, maintenance, and function of educational facilities and their interrelationships. Lecture (3 units) required; 10 hours of administrative-related field activities required.

- **EDAD 545 - Seminar: Technology for Instructional and Organizational Change**

(3)

Prerequisites: Admission to EDAD Professional Credential Program, computer literate and computer competent. Principles related to the management of information systems and instructional technologies for effective educational leadership.

- **EDAD 552 - Seminar: Instructional and Organizational Change in Socio-Culturally Diverse Schools**

(3)

Prerequisite: Admission to EDAD Professional Credential Program. A hands-on approach to relevant organizational theories for creating change to meet the needs of socioculturally diverse schools and communities.

### • **EDAD 561A - Educational Leadership**

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(4)

Corequisite: Must be taken concurrently with EDAD 561B. This course prepares the candidate to understand the role of instructional leaders in a shared vision of learning, personal ethics, and leadership capacity.

### • **EDAD 561B - Fieldwork in Educational Leadership**

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(2)

Corequisite: Must be taken concurrently with EDAD 561A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 561A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

### • **EDAD 562A - Research and Data Assessment**

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(4)

Corequisite: Must be taken concurrently with EDAD 562B. This course prepares the candidate to understand the role of instructional leaders as critical consumers of research and data assessment to improve student achievement utilizing appropriate data and technological applications.

### • **EDAD 562B - Fieldwork in Research and Data Assessment**

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(2)

Corequisite: Must be taken concurrently with EDAD 562A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 562A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

### • **EDAD 563A - Pluralism, Collaboration, and Social Justice**

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(4)

Corequisite: Must be taken concurrently with EDAD 563B. This course prepares the candidate to understand the role of instructional leaders in the political, social, and cultural context of the school, collaboratively working with diverse families in a pluralistic community-setting.

### • **EDAD 563B - Fieldwork in Pluralism, Collaboration, and Social Justice**

---

(2)

Corequisite: Must be taken concurrently with EDAD 563A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 563A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

### • **EDAD 564A - School Law**

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(4)

Corequisite: Must be taken concurrently with EDAD 564B. This course prepares the candidate to understand the roles of instructional leaders and school law in meeting the needs of diverse population, including individuals with disabilities.

### • **EDAD 564B - Fieldwork in School Law**

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(2)

Corequisite: Must be taken concurrently with EDAD 564A. Students develop and implement enriched fieldwork experiences that are designed

to facilitate the application of theoretical concepts of EDAD 564A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 565A - Instructional Leadership**

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(4)

Corequisite: Must be taken concurrently with EDAD 565B. This course prepares the candidate to understand the role of instructional leaders in curriculum and instructional programs that promote success for all students from diverse backgrounds.

- **EDAD 565B - Fieldwork in Instructional Leadership**

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(2)

Corequisite: Must be taken concurrently with EDAD 565A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 565A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 566A - School Management**

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(4)

Corequisite: Must be taken concurrently with EDAD 566B. This course prepares the candidate to understand the role of instructional leaders in the management of the school, including human resources administration.

- **EDAD 566B - Fieldwork in School Management**

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(2)

Corequisite: Must be taken concurrently with EDAD 566A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 566A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 567A - School Finance**

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(4)

Corequisite: Must be taken concurrently with EDAD 567B. This course prepares the candidate to understand the role of instructional leaders in the fiscal and economic context of the school, ensuring equitable distribution of resources and support for all students.

- **EDAD 567B - Fieldwork in School Finance**

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(2)

Corequisite: Must be taken concurrently with EDAD 567A. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 567A, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 570 - School Leadership and Technology**

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(4)

Prerequisites: Completion of EDAD 508 with a grade of B or better and EDAD 580A with credit grade. This course is designed for prospective educational administrators to acquire functional knowledge about the selection of technology for school site use.

- **EDAD 580A - Fieldwork I**

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(2 Units)

Corequisite: Must be taken with EDAD 508 concurrently. This course is designed for prospective administrators and offers the opportunities for a variety of administrative fieldwork experiences. A minimum of 30 hours of fieldwork under a qualified superior is required. (Graded CR/NC).

- **EDAD 580B - Fieldwork II**

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(2)

Prerequisite: Completion of EDAD 508 with a B or better and EDAD 580A with credit. Successful completion of all EDAD core courses taken previously. Students develop and implement enriched field activities that are focused on specific content of EDAD core courses. A minimum of 30 hours of fieldwork and a qualified supervisor is required. (Graded CR/NC).

- **EDAD 581 - Clinical Internship**

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(3)

Prerequisites: EDAD 505, 508, 516, 520, 521, 530. Administrative, supervisory and curricular experience at school or district levels. May not be repeated for credit.

- **EDAD 582 - Practicum: Field Work**

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(3)

Prerequisites: Admission to EDAD Professional Credential Program; EDAD 594. Practical experience in applying principles, practices and procedures of school sites and district offices. May be repeated to maximum of 12 units for credit.

- **EDAD 584 - Field Work in Central Office Administration and Supervision**

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(3)

Prerequisites: Admission to central office administration option, division approval. Intensive and extensive participation in general school administration; areas of emphasis determined in consultation with adviser. Graded CR/NC. May be repeated to maximum of 12 units for credit.

- **EDAD 587 - Internship in Educational Administration**

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(3)

Prerequisites: Admission to internship program, approval of both division and school district. Participation in school administration and supervision in school district where student is employed; supervision by on-site administrator and university instructor; regular seminar sessions. Graded CR/NC. May be repeated to maximum of 12 units for credit.

- **EDAD 590 - Reflection and Portfolio Assessment**

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(3)

Prerequisite: Successful completion of all EDAD courses and advancement to candidacy. This is a capstone course designed for prospective administrators to demonstrate evidence of knowledge and skills reflective of the candidate's present competence and assessment of professional and academic growth achieved during the program.

- **EDAD 594 - Seminar: Development of Induction Plan**

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(3)

Prerequisite: Admission to EDAD Professional Credential Program. The candidate, University adviser and district mentor develop an individualized induction plan for the support and professional development of the beginning administrator.

- **EDAD 595 - Seminar: Candidate Assessment**

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(3)

Prerequisite: Completion of induction plan. The candidate, the University adviser and the district mentor assess the induction plan for the candidate to be recommended for the Professional Administrative Services Credential.

- **EDAD 596A - Reflection and Self-Assessment of Professional Educational Leadership**

---

(6)

Prerequisite: Verification of employment as an administrator with a California Preliminary Administrative Services Credential. Designed for beginning administrators to develop induction plans and engage in professional activities to meet the CLEAR Administrative Services Credential standards of candidate competence and performance. Fieldwork is required.

### • **EDAD 596B - Professional Portfolio Assessment**

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(6)

Prerequisite: Verification of employment as an administrator with a California Preliminary Administrative Services Credential. Designed for beginning administrators to demonstrate meeting the CLEAR Administrative Services Credential standard of candidate competence and performance. Fieldwork is required.

### • **EDAD 598 - Graduate Directed Study**

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(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

### • **EDAD 599A - Thesis or Project Planning**

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(3)

Prerequisites: EDFN 452 and 500, or EDFN 553, or COUN 529, advancement to candidacy, written approval of thesis chair. Prior to completion, student will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

### • **EDAD 599B - Thesis or Project**

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(2)

Prerequisites: EDAD 599A, written approval of thesis committee chair. Prior to completion, student will have submitted a final draft to thesis or project proposal to thesis committee. Graded CR/NC.

### • **EDAD 599C - Thesis or Project**

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(2)

Prerequisites: EDAD 599B, written approval of thesis committee chair. Completion of thesis or project under direct supervision of thesis committee. Graded CR/NC.

## **Educational Administration (Doctoral)**

### • **EDAD 601 - Organizational Theory and Leadership for Change**

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(3\*)

Prerequisite: Admission to doctoral program. Historical and structural analysis of educational, organizations; urban learning systems as they relate to organizational theory, change leadership, and school reform.

\*Semester Units

### • **EDAD 603 - Seminar: Philosophy and Ethics of Educational Leadership**

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(4)

Philosophy, ethics, and moral values of educational leadership for school administrators. Theory and philosophy of educational change. Research about ethical and moral leadership schools.

### • **EDAD 604 - Culturally and Linguistically Responsive Institutions**

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(3\*)

Prerequisite: Admission to doctoral program. Examines how historical, social, and cultural influences construct understanding of schooling and human development; applies critical pedagogy to issues of class, race/ethnicity, gender, language and equity-minded leadership for educational institutions.

\*Semester Units

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- **EDAD 605 - Advocacy, Community Engagement and Governance: The Social and Political Contexts of Education**

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(3\*)

Prerequisite: Admission to doctoral program. Examines research on the role of social movements, civic activism and community-based organizing in building advocacy and leadership for school reform analysis of interagency and intergovernmental politics and practices.

\*Semester Units

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- **EDAD 606 - Designing Future Learning Systems**

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(3\*)

Prerequisite: Admission to the doctoral program. Analyzes contemporary developments in science, technology, asset allocation and relationships that improve learning; explores design options for futuristic learning systems, applies future thinking to planning learning systems for 2025.

\*Semester Units

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- **EDAD 607 - Seminar: Issues in Educational Policy and Reform**

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(4)

In-depth study of topics relevant to educational reform and policy-making, such as: substantive nature of selected reforms, ethical and value choices they entailed, programmatic strategies used in implementing them, and methods used to evaluate them.

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- **EDAD 608 - Legislative Action and Educational Policy**

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(4)

Prerequisite: Admission to the Ed.D. program in Education. Examination of legal processes governing educational policy, including significant laws, legal principles, recent litigation, controlling relationships of schools to student and teacher rights and duties, administrative behavior, etc. Focuses on connections between legislative/judicial action and social, political and economic forces affecting education.

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- **EDAD 624 - Organization and Administration of the School**

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(4)

Prerequisite: Admission to the Ed.D. program in Education. The study of school systems and administrative roles in the light of organizational and administrative theory.

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- **EDAD 625 - School Finance**

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(4)

Prerequisite: Admission to the Ed.D. program in Education. Explores methods of financing public education. Identifies budgeting and accounting techniques used by school districts in support of the instructional process and considers legal requirements and public reactions to the financing of education.

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- **EDAD 626 - Designing and Writing the Doctoral Dissertation Proposal**

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(3\*)

Prerequisite: Admission into doctoral program. Incorporates a writing workshop approach to help students develop effective academic writing



strategies, describe the design of the dissertation, prepare a timeline, and write required chapters of a dissertation proposal. May be repeated once for credit. Graded ABC/NC.

\*Semester Units

- **EDAD 668 - Diversity in Educational Administration.**

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(4)

Prerequisite: Admission to the Ed.D. program in Education. Provides an understanding of school administrative and management issues related to the increasing diversity in schools. Theories about underrepresentation, diversity, legislation, harassment, and institutional participation reviewed. Cultural background, communication patterns, social networks, leadership, and administrative styles are considered.

- **EDAD 690 - Doctoral Seminar: Special Topics in Research and Evaluation for Urban Educational Leadership Pre-K-12:**

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(4)

Scholarship and Inquiry; Institutional Inquiry Models; Assessment Design and Implementation; Program Development and Evaluation; Research in Special Education

- **EDAD 691 - Doctoral Seminar: Special Topics in Socio-cultural Issues for Urban Educational Leadership Pre-K-12:**

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(4)

School Culture and Achievement; Culturally Responsive Schools; Critical and Social Theory; Social/cultural Demographics and Achievement Implications; Language and Culture; Social stratification and Inequity; Global Learning

- **EDAD 692 - Doctoral Seminar: Special Topics in Educational Leadership for Urban Educational Leadership Pre-K-12:**

---

(4)

Contemporary Issues of Leadership: Resources, Budgets, and Equity; Democracy and Governance; Contemporary Legal Issues; Teacher Leadership and Learning Organization; Problems of Transformation

- **EDAD 693 - Doctoral Seminar: Special Topics in Classroom Innovations for Urban Educational Leadership Pre-K-12:**

---

(4)

Culturally Responsive Classrooms/Schools; Issues of Student Placements and Inclusion; Research in Gifted Education; Technology and Media

- **EDAD 695 - Guided Study for the Dissertation**

---

(3\*)

Prerequisites: Admission into doctoral program and EDAD 624. Faculty coaching and structured activities to support completion of dissertation proposal and advancement to candidacy; conducting pilot studies, students refine literature review, research questions, design, and methods of data collection. May be repeated up to 3 times. Graded ABC/NC.

- **EDAD 698 - Graduate Directed Study**

---

(1–8)

Prerequisite: Consent of an instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for up to 8 units of credit.

## **EDAD 699 - Doctoral Dissertation**

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(4)

Prerequisites: Advancement to candidacy for Ed.D. degree and consent of an instructor to act as sponsor. Continuous enrollment required while student is working on dissertation. May be repeated for credit.

- **EDFN 600A - Seminar: Field Research Study I**

---

(4)

First in a series of two field-based research courses focusing on development and conduct of a qualitative field study involving framing a research question, review of relevant literature, data collection and analysis, and in-depth reading and discussion on a particular topic. Issues particular to sitebased, action research.

- **EDFN 600B - Seminar: Field Research Study II**

---

(4)

Second in a series of field-based research courses, focusing on development and conduct of a field study involving refinement of the research question, data collection and analysis, and in-depth reading and discussion on a particular topic. Focus on issues of ethnographic research.

- **EDFN 602 - Seminar: Applications to Education of Social and Psychological Research Methods**

---

Prerequisite: EDFN 452 or Soc 410 or equivalent. Sociological and psychological research methods applicable to issues facing school administrators. Emphasis on intermediate level quantitative research methods.

- **EDFN 614 - Evaluation Methods for Urban Educational Leadership**

---

(3\*)

Prerequisite: Admission into Doctoral Program. A comprehensive survey of program evaluation principles, methodologies, designs, effective use of evaluation data for decision making, and state and federal evaluation requirements for educational leaders.

*\*Semester Units*

- **EDFN 615 - Seminar: Assessment and Data Driven Decision-Making**

---

(3\*)

Prerequisite: Admission into doctoral program. Educational assessment in various contexts, including classroom, school, district, and state levels. Topics include assessment measures, data analysis and application, as well as state and federal reporting requirements.

*\*Semester Units*

- **EDFN 623A - Field Study Methods for Educational Organizations I**

---

(5)

Prerequisite: Admission to UCR/CSU Joint Doctoral Program; completion of EDFN 641ABC or equivalent. Course covers skill development including participant observation, field relations, data collection and analysis, and generation of hypotheses.

- **EDFN 623B - Field Study Methods for Educational Organizations II**

---

(5)

Prerequisite: Admission to UCR/CSU Joint Doctoral Program; completion of EDFN 641ABC or equivalent. Course covers research applications including literature reviews and analysis techniques.

- **EDFN 641A - Using Quantitative Methods to Analyze Inequitable Schooling Outcomes and to Target Improvement**

---

(3\*)

Prerequisite: Admission to Doctoral Program. Statistical analysis for education using national datasets of schooling outcomes; contingency tables/Chi Square analysis, T-test, analysis of variance, correlation and regression, and design applications including higher order factorials, repeated measures.

\*Semester Units

- **EDFN 641B - Using Qualitative Research to Explore Teaching and Learning for Diverse Urban Settings**

---

(3)

Prerequisite: Admission to Doctoral Program. Traditions and methods of qualitative research; knowledge and skills to understand, design and conduct qualitative research; using qualitative data and analyses to identify and understand educational issues and problems.

#### **Educational Foundations (Undergraduate)**

- **EDFN 380 - Education and Development in the Third World  
(also listed as LAS 380 and PAS 380)**

---

(4)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block D. Comparative analysis of the systems of education in the Third World with particular emphasis to their educational problems and issues, and their relationship to economic development and social change.

- **EDFN 413 - Psychological Foundations of Education**

---

(4)

Psychological research and theory in human learning and development related to educational processes.

- **EDFN 420 - Introduction to Foundations of Urban Learning**

---

(2)

This course provides foundational knowledge in education by examining cultural, historical, political, philosophical, and sociological perspectives of schooling.

- **EDFN 440 - Schooling for a Diverse, Urban Society**

---

(4)

Foundational knowledge of education by examination of cultural, historical, political, philosophical, and sociological perspectives of schooling; introducing critical, reflective frameworks for analyzing contemporary American schools; and focusing on issues impacting diverse, urban families and school communities.

- **EDFN 452 - Statistics in Education**

---

(4)

Prerequisite: One year of algebra. Introduction to descriptive and inferential statistics basic to understanding and conducting educational research, including measures of central tendency, variability, covariability, sampling theory, interval estimation, testing statistical hypotheses.

- **EDFN 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit. There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes

### **Educational Foundations (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program*

- **EDFN 500 - Evaluation of Educational Research**

---

(4)

Criteria for evaluation of educational research; critical analysis of representative research reports. Survey of educational research methods, planning a research study, organization of a research report. Credit allowed for only one of EDFN 500, and 553

- **EDFN 505 - Qualitative Research in Education**

---

(4)

Introduction to qualitative research theory and methodology in education; interpretation, data collection, and analysis; practitioner research.

- **EDFN 506 - Comparative Education**

---

(4)

Prerequisite: EDFN 414. Selected foreign educational systems within context of their respective cultures. Particular attention to multilingual/multicultural and urban educational issues.

- **EDFN 507 - History of Education**

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(4)

Prerequisite: Four units chosen from HIST 110ABC or 202AB. Historical analysis of current educational issues with particular attention to multilingual/multicultural and urban education problems.

- **EDFN 508 - Philosophy of Education**

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(4)

Prerequisite: PHIL 151 or 152 recommended. Selected current philosophies of education and their applications to educative process. Particular attention to philosophical analysis of issues related to multilingual/multicultural and urban education.

- **EDFN 510 - Advanced Study: Learning Theory and Education**

---

(4)

Prerequisite: EDFN 413. Recent significant developments in learning theory with emphasis on classroom application.

- **EDFN 521 - Program Evaluation Theory and Design**

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(4)

Prerequisites: EDFN 500 or equivalent and EDFN 452. A comprehensive introduction to program evaluation theory; methodological designs

and approaches used for evaluation purposes.

- **EDFN 525 - Educational Sociology**

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(4)

Prerequisite: EDFN 414. Application of insights of social sciences to education in areas of cultural anthropology, sociology, political theory, economics.

- **EDFN 530 - Advanced Study in Human Development**

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(4)

Prerequisite: EDFN 413 or consent of the instructor. Recent significant contributions in human development research and theory; emphasis on the implications of human development for education.

- **EDFN 541 - Evaluation of State and Federal Programs**

---

(4)

Prerequisites: EDFN 500 or equivalent and EDFN 452. A survey of issues dealing with conducting evaluations of federal and state programs, including grant proposals, surveys and human subjects principles.

- **EDFN 550 - Contemporary Social Theory and Issues in Urban Education**

---

(4)

Introduction to and examination of conceptual frameworks and methods of contemporary social theories (e.g., social reproduction theory, postmodernist/poststructuralist theory, feminist theory, postcolonial theory, critical race theory, and critical pedagogy as related to issues of class, race/ethnicity, gender, power, and equity in urban schooling.

- **EDFN 552 - Policy Studies in Urban Education**

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(4)

This course explores traditional and alternative approaches to the study of policy for urban educational contexts covering key concepts such as power relationships in policy environments, policy-making processes, policy texts, and implementation practices.

- **EDFN 594 - Selected Studies in Education**

---

(1–5)

Prerequisite: Consent of division chair. Intensive study of designated problems in education. May be repeated for credit as subject matter changes.

- **EDFN 595 - Field Experience in Evaluation (Practicum)**

---

(4)

Prerequisites: EDFN 452, EDFN 500 or equivalent, EDFN 521, EDFN 541. Provides students with practical experience through completion of a direct interaction with professional staff responsible for evaluation of program(s) and/or assessment of students in the local area. Graded CR/NC.

- **EDFN 596 - Comprehensive Exam**

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(0)

Graded CR/NC

- **EDFN 597 - Graduate Research**

---

(1–4)

Prerequisites: EDFN 500, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **EDFN 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDFN 599A - Thesis or Project Planning**

---

(3)

Prerequisites: EDFN 452 or another advisor approved research course, and 500 or 553, advancement to candidacy, written approval of thesis chair. Prior to completion, student will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **EDFN 599B - Thesis or Project**

---

(2)

Prerequisites: EDFN 599A, written approval of thesis committee chair. Prior to completion, student will have submitted a final draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **EDFN 599C - Thesis or Project**

---

(2)

Prerequisites: EDFN 599B, written approval of thesis committee chair. Completion of thesis or project under direct supervision of thesis committee. Graded CR/NC

#### **Educational Foundations (Doctoral)**

- **EDFN 641C - Practitioner Research Embedded in School Communities**

---

(3\*)

Prerequisites: Admission to doctoral program; EDFN 641A and 641B. Students engage in field-based studies relevant to school communities that may be qualitative, quantitative, or mixed method and that foster organizational learning and problem solving through systematic inquiry and reflection.

\*Semester Units

#### **Elementary Education (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDEL 400, 415–419, 431, 465*

- **EDEL 400 - Proseminar: Curriculum and Teaching of Reading/Language Arts**

---

(4 each)

Prerequisites: Admission to credential program; EDFN 413 (may be taken concurrently). Strategies for teaching reading and writing in various milieu, emphasizing reading skills and writing development. Field experience required. Offered in English or a second language as listed below.

- **EDEL 400S - Spanish**

---

(4 each)

Prerequisites: Admission to credential program; EDFN 413 (may be taken concurrently). Strategies for teaching reading and writing in various milieu, emphasizing reading skills and writing development. Field experience required. Offered in English or a second language as listed below.

---

• **EDEL 402 - Proseminar: Curriculum and Teaching of Social Science and Science**

---

(4 each)

Prerequisites: Admission to credential program; EDFN 413 (may be taken concurrently). Analysis, application and evaluation of strategies for teaching social science and science in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

---

• **EDEL 402S - Spanish**

---

(4 each)

Prerequisites: Admission to credential program; EDFN 413 (may be taken concurrently). Analysis, application and evaluation of strategies for teaching social science and science in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

---

• **EDEL 403 - Directed Teaching: Multiple Subject**

---

(10)

Prerequisites. Completion of all professional education courses in Blocks One-Three, EDFN 440, EDSP 440. Corequisite: EDEL 403C. On-site laboratory experience consisting of teaching multiple subjects under direction of University supervisor with cooperation of supervising classroom teacher(s). May be repeated for credit with division approval. Graded CR/NC only.

---

• **EDEL 403C - Reflection, Synthesis and Assessment of Directed Teaching**

---

(2)

Prerequisites: Completion of all courses in Blocks One-Three, EDFN 440, EDSP 400. Corequisite: EDEL 403 or EDEL 489. Seminar to accompany directed teaching to provide candidates opportunities for self- and peer- reflection, professional growth, and summative program portfolio assessment.

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• **EDEL 404 - Directed Teaching II: Multiple Subject**

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(12)

Prerequisites or corequisites: EDEL 403, EDFN 414. On-site laboratory experience teaching multiple subjects under direction of University supervisor with cooperation of supervising classroom teacher(s). Concurrent weekly seminar. Graded CR/NC.

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• **EDEL 405 - Proseminar: Language Development in the Elementary Classroom**

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(4)

Prerequisite: Completion of all requirements for formal admission to multiple subject credential program. Analysis application, evaluation of strategies for teaching language acquisition/language arts and related cultural aspects in elementary classrooms, including primary language development, ESL, and sheltered English strategies. Includes laboratory experiences in a field setting. Course restricted to candidates enrolled in Block One of program.

---

• **EDEL 412 - Emergent Literacy**

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(4)

Basic concepts of emergent literacy, strategies for teaching beginning reading/writing, phonemic awareness, phonics and other word-attack skills, assessment, linguistic diversity, children's literature, and related legislative actions and initiatives.

---

• **EDEL 413 - Children's Reading Materials in Spanish**




---

(4)

Prerequisite: Proficiency in Spanish at 300B level. Spanish reading materials suitable for development or enrichment of reading at elementary level; oral and written language skills in bilingual/crosscultural classroom.

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## Course Descriptions

### Elementary Education (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDEL 400, 415–419, 431, 465

#### • **EDEL 414 - Elementary Classroom Management**

---

(3)

Identification, analysis and interventions for effective classroom management for pre-and in service teachers, grades K-6.

#### • **EDEL 415 - Proseminar: Curriculum and Teaching of Reading/Language Arts**

---

(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

#### • **EDEL 415 S - Spanish**

---

(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

#### • **EDEL 415C - Chinese**

---

(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

#### • **EDEL 415K - Korean**

---

(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

#### • **EDEL 416 - Proseminar: Curriculum and Teaching of Writing/Language Arts**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of multiple subject credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

- **EDEL 416C - Chinese**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of multiple subject credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

- **EDEL 416K - Korean**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of multiple subject credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

- **EDEL 416S - Spanish**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of multiple subject credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes laboratory experiences in a field setting. Offered in English or a second language as listed below:

- **EDEL 417 - Proseminar: Curriculum and Teaching of Mathematics**

---

(4)

Prerequisites: MATH 110 or equivalent and completion of all courses in Block One of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

- **EDEL 417C - Chinese**

---

(4)

Prerequisites: MATH 110 or equivalent and completion of all courses in Block One of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

- **EDEL 417K - Korean**

---

(4)

Prerequisites: MATH 110 or equivalent and completion of all courses in Block One of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

- **EDEL 417S - Spanish**

---

(4)

Prerequisites: MATH 110 or equivalent and completion of all courses in Block One of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Laboratory experience provided. Offered in English or a second language listed below:

- **EDEL 418 - Proseminar: Curriculum and Teaching of Science**

---

(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, evaluation of strategies for teaching science in various socioeconomic and cultural milieu. Course consists of lecture and laboratory activities.

• **EDEL 418S - Spanish**

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(4)

Prerequisite: Completion of all courses in Block One of multiple subject credential program. Analysis, application, evaluation of strategies for teaching science in various socioeconomic and cultural milieu. Course consists of lecture and laboratory activities.

• **EDEL 419 - Proseminar: Curriculum and Teaching of Social Science**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of the multiple subject credential program. Analysis, application, evaluation of strategies for teaching social science in various socioeconomic and cultural milieu. Assessment point for progress on professional portfolio.

• **EDEL 419S - Spanish**

---

(4)

Prerequisite: Completion of all courses in Blocks One and Two of the multiple subject credential program. Analysis, application, evaluation of strategies for teaching social science in various socioeconomic and cultural milieu. Assessment point for progress on professional portfolio.

• **EDEL 421 - Teaching Language Arts in Elementary School**

---

(4)

Prerequisite: Teaching experience. Intensive study in teaching language arts in elementary school. Exploration, analysis, interpretation, and implementation of modern teaching trends and issues, with urban emphasis.

• **EDEL 424 - Methods of Using Creative Dramatics with Children**

---

(4)

Prerequisite: COMM 490. Methods of using creative dramatics and educational drama as essential to language arts and literacy across the curriculum for K-8 students. A preservice or inservice course for librarians and teachers. Lecture 3 hours, laboratory 1 hour.

• **EDEL 427 - Using Multicultural Children's Literature in the Classroom**

---

(4)

Survey, analysis, and use of multicultural children's literature as core curriculum in reading, language arts, and literacy. An introduction to the use of multicultural children's literature in the classroom.

• **EDEL 431 - Proseminar: Curriculum and Teaching of Mathematics in Middle Schools**

---

(4)

Prerequisite: EDEL 417 or equivalent. Analysis, application and evaluation of strategies for teaching middle school mathematics in various socioeconomic and cultural milieu.

• **EDEL 432 - Teaching Mathematics for Early Childhood**

---

(4)

Prerequisite: Teaching experience. Professional course presenting methods and materials for teaching mathematics to children, prekindergarten through grade three.

- **EDEL 433A - Special Topics in Mathematics for Elementary Teachers: Metric Measurement**

---

(1)

Prerequisite: EDEL 417. Instructional laboratory for elementary teachers; current strategies, materials, and terminology for teaching specific strands from Mathematics Framework for California public schools.

- **EDEL 433B - Special Topics in Mathematics for Elementary Teachers: Problem Solving**

---

(1)

Prerequisite: EDEL 417. Instructional laboratory for elementary teachers; current strategies, materials, and terminology for teaching specific strands from Mathematics Framework for California public schools.

- **EDEL 433C - Special Topics in Mathematics for Elementary Teachers: Geometry**

---

(1)

Prerequisite: EDEL 417. Instructional laboratory for elementary teachers; current strategies, materials, and terminology for teaching specific strands from Mathematics Framework for California public schools.

- **EDEL 433D - Special Topics in Mathematics for Elementary Teachers: Logic**

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(1)

Prerequisite: EDEL 417. Instructional laboratory for elementary teachers; current strategies, materials, and terminology for teaching specific strands from Mathematics Framework for California public schools.

- **EDEL 435 - Use of Calculator in Teaching Mathematics**

---

(2)

Prerequisite: EDEL 417. Laboratory that examines how the calculator can be used in teaching mathematics, with a special emphasis on problem solving.

- **EDEL 451 - Teaching Science in Elementary School**

---

(4)

Prerequisite: Teaching experience. Intensive study in teaching science in elementary school; exploration, analysis, interpretation, and implementation of modern teaching trends, issues, and materials, with urban emphasis.

- **EDEL 452 - Developing Critical Thinking Through Science, K-7**

---

(4)

Prerequisite: EDEL 402. Investigation of strategies and research in science education which assists children to develop critical thinking, problem solving strategies, and higher order thinking through science exploration and investigations. Includes 20 hours of laboratory.

- **EDEL 454 - The Science, Technology and Society Curriculum K-7**

---

(4)

Prerequisites: EDEL 402,452. Exploration of how society uses the accumulated knowledge from science and other disciplines to control and alter the way things work, and it helps in understanding science and technology –related societal issues. Includes 20 hours of laboratory.

- **EDEL 461 - Curriculum Procedures and Materials for Early Childhood Education**

---

(4)

Curriculum, instructional procedures/materials in early childhood education. Focus on designing learning experiences to address developmental characteristics of preschool/kindergarten children in diverse urban settings. Observation/participation in early education

classrooms required.

- **EDEL 463 - Preschool-Kindergarten Education: Language and Literacy**

---

(4)

Instructional strategies bridging preschool and kindergarten in diverse urban settings; including theoretical frameworks, first - and second-language and literacy acquisition, and authentic assessment practices.

- **EDEL 464 - Prekindergarten Education in Metropolitan Areas**

---

(4)

Corequisite: EDFN 437. Selection of objectives, student population, curriculum content, materials and instructional procedures for teachers in public prekindergarten schools in various socioeconomic and cultural milieu.

- **EDEL 465 - Directed Teaching: Preschool**

---

(12)

Prerequisites: EDEL 461, 462; see Multiple Subject Credential with Prekindergarten Option requirements. Directed teaching for credential at preschool level. Graded CR/NC.

- **EDEL 466 - Cultural Diversity in Early Childhood Classroom: Needs and Opportunities**

---

(4)

Multicultural education and anti bias curriculum development for early childhood education; focus on cross-cultural perspectives and their effects on behavior, learning, and teaching.

- **EDEL 467 - School/Family/Community Partnerships in Urban Learning**

---

(4 units)

Examination of family, community, societal, cultural, and ideological influences on children's learning and schooling. Emphasis on strategies to integrate urban family members, as well as community resources, into the teaching-learning process. Field-based experiences required.

- **EDEL 470A - Introduction to Elementary Curriculum**

---

(3)

Prerequisites: COMD 456, 461. Overview of curriculum, methods, and materials used by elementary teachers in presenting reading, mathematics, and language arts. Meets needs of Communicative Disorders majors pursuing Special Class Authorization of Severe Language Handicapped and/or Aphasic Pupils. May not be used for Multiple Subject credential.

- **EDEL 470B - Introduction to Elementary Curriculum**

---

(3)

Prerequisites: COMD 456, 461. Overview of curriculum, methods, and materials used by elementary teachers in presenting reading, mathematics, and language arts. Meets needs of Communicative Disorders majors pursuing Special Class Authorization of Severe Language Handicapped and/or Aphasic Pupils. May not be used for Multiple Subject credential.

- **EDEL 473 - Storytelling for Teachers**

---

(4)

Developing skills of storytelling, selecting appropriate literature, and including storytelling in the elementary school curriculum. Lecture 3 hours, laboratory 1 hour.

## **EDEL 480 - Teaching Problem Solving with LOGO**

---

(4)

Theory and methods for teaching the programming language LOGO, with emphasis on problem-solving. (Hands-on computer laboratory.)

### **• EDEL 488A - Support Seminar in Field Experiences**

---

(4)

This seminar provides emergency and internship credential teachers with support in field experiences as they develop, implement, and modify instruction based on reflection about teaching practices. This course is restricted to students who have been admitted to the CSULA University Internship Program (CR/NC).

### **• EDEL 488B - Support Seminar in Field Experiences**

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(4)

This seminar provides emergency and internship credential teachers with support in field experiences as they develop, implement, and modify instruction based on reflection about teaching practices. This course is restricted to students who have been admitted to the CSULA University Internship Program (CR/NC).

### **• EDEL 488C - Support Seminar in Field Experiences**

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(4)

This seminar provides emergency and internship credential teachers with support in field experiences as they develop, implement, and modify instruction based on reflection about teaching practices. This course is restricted to students who have been admitted to the CSULA University Internship Program (CR/NC).

### **• EDEL 489 - Demonstration of Instructional Competencies**

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(10)

Prerequisites: Completion of all professional education courses in Blocks One-Three, EDFN 440, EDSP 400. Corequisite: EDEL 403C. Demonstration of competencies related to instructional skills specified for components leading to completion of approved preliminary multiple subject credential program requirements. Restricted to field-based candidates currently employed as full-time teachers. May be repeated for credit with division approval. Graded CR/NC.

### **• EDEL 490 - Problems in Elementary Education**

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(2–5)

Prerequisite: Instructor consent. Investigation of unique problems in elementary education. Specific topic announced in Schedule of Classes. May be repeated for credit as subject matter changes.

### **• EDEL 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly and final report submitted. May be repeated for credit.

#### **Elementary Education (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.*

### **• EDEL 525 - Reading/Language Arts Across the Curriculum**

---

(4)

Prerequisites: EDEL 415 or equivalent, teaching experience. Investigation of comprehensive reading/language arts instruction research base and applications. Literature-based action research project across the curriculum.

• **EDEL 531 - Seminar: Research in Teaching Elementary School Subjects: Mathematics**

---

(4)

Prerequisites: EDFN 500, teaching experience. Analysis of research on instruction and learning; application of implications of research to the solution of classroom problems. An action research project, including an extensive review of the literature, is required.

• **EDEL 535 - Seminar: Assessment Strategies in Mathematics**

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(4)

Prerequisites: EDEL 431, teaching credential, teaching experience. Analysis of and practice in the use of assessment models that focus on mathematical thinking.

• **EDEL 541 - Seminar: Research in Teaching Elementary School Subjects: Social Studies**

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(4 each)

Prerequisites: EDFN 500, teaching experience. Analysis of research on instruction and learning; application of implications of research to the solution of classroom problems. An action research project, including an extensive review of the literature, is required.

• **EDEL 551 - Seminar: Research in Teaching Elementary School Subjects: Science**

---

(4 each)

Prerequisites: EDFN 500, teaching experience. Analysis of research on instruction and learning; application of implications of research to the solution of classroom problems. An action research project, including an extensive review of the literature, is required.

• **EDEL 554 - Research in Thematic Science: Integrating Language Arts, K-7**

---

(4)

Prerequisites: EDEL 402, EDEL 452, EDEL 552. Research into the positive use of the thematic approach to teaching a rigorous motivational science program that contains interdisciplinary sciences with language arts components. Includes 20 hours of laboratory.

• **EDEL 560 - Design and Management of Early Childhood Public Educational Programs**

---

(4)

Prerequisite: Enrollment in Early Childhood/Primary Education M.A. option or consent of instructor. Design and management of early childhood public educational programs; leadership, goals, budget, accountability, differentiated staffing, management, proposal writing, articulation.

• **EDEL 563 - Seminar: Issues and Trends in Early Childhood Education**

---

(4)

Prerequisite: Enrollment in Early Childhood/Primary Education M.A. option or consent of instructor. Persistent problems in early childhood education; review of literature concerning challenges and controversies in the field.

• **EDEL 564 - Seminar: Advanced Methodologies in Early Childhood Education**

---

(4)

Prerequisites: EDEL 461 or consent of instructor. Intensive research-based study of early childhood education methodologies offered through course sections in assessment, interdisciplinary curriculum approaches, play, school-family partnerships. May be repeated for up to 8 credits.

• **EDEL 580 - Computer Applications for Teaching Mathematics and Science**

---

(2)

Prerequisite: EDEL 480 . Development of criteria for selecting courseware and strategies for using it in the teaching of mathematics and science in elementary and middle schools.

### • **EDEL 589 - Seminar: Elementary Education**

---

(4)

Prerequisite: Completion of or concurrent enrollment in last 10 units for M.A. degree in Education: Elementary Teaching option. Identification and analysis of problems and trends in urban elementary education.

### • **EDEL 590 - Creating a Healthy and Effective Classroom Climate**

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(4)

Prerequisites: EDEL 414, EDSE 415, or EDCI 402 or equivalent. Creating advanced examination of the area of classroom management; strategies for creating a healthy classroom environment.

### • **EDEL 594 - Selected Studies in Elementary Education**

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(1–4)

Prerequisite: Consent of division chair. Intensive study of designated problems in elementary education. May be repeated for credit as subject matter changes.

### • **EDEL 595 - Advanced Field Work: Early Childhood Specialist Instructional Credential**

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(5)

Prerequisites: EDEL 560, teaching credential, formal admission to Early Childhood Specialist instructional credential program. Specialized fieldwork assigned on individual basis. Scheduled fieldwork; tutorial session required. Graded CR/NC.

### • **EDEL 596 - Comprehensive Exam**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter. Graded CR/NR

### • **EDEL 597 - Graduate Research**

---

(1–4)

Prerequisites: EDFN 500, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

### • **EDEL 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

#### **Electrical and Computer Engineering (Undergraduate)**

*In addition to prerequisites listed for individual courses, ENGL 102\*, COMM 150, and EE 290 are prerequisite to all upper division EE courses.*

*\*Students subject to catalogs prior to 1997-1999 satisfy this prerequisite with ENGL 101 or 190.*

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*



- **EE 154 - Special Topics in Electrical Engineering**

---

(1–4)

Prerequisites: Instructor consent and as needed for specific topic. Current topics of special interest to students in electrical engineering, as announced in Schedule of classes. May be repeated to maximum of 8 units. Permission needed by ECE department.

- **EE 204 - Circuit Analysis**

---

(4)

Corequisites: MATH 208, PHYS 213. Electric circuit analysis, transient and steady state; and introduction to frequency response. Graded ABC/NC.

- **EE 210 - Electrical Measurements Laboratory**

---

(1)

Prerequisite: PHYS 213. Characteristics and limitations of analog and digital electrical and electronic instrumentation, signal sources, and d-c power supplies. Analysis, tabulations, and graphical presentation of measurement data and technical report writing. Laboratory 3 hours.

- **EE 211 - Electric Circuits Laboratory**

---

(1)

Prerequisite: EE 204. Experimental verification of the laws of electric circuits. Laboratory 3 hours.

- **EE 244 - Digital Engineering**

---

(4)

Binary systems; Boolean functions and their simplification; introduction to analysis and design of digital systems.

- **EE 246 - Digital Logic Laboratory**

---

(1)

Prerequisites: EE 244. Laboratory experiments in logic design of digital systems. Laboratory 3 hours. Graded ABC/NC.

- **EE 290 - Electrical Engineering Computing**

---

(3)

Prerequisites: MATH 209, PHYS 213. Use of computers in electrical engineering; hardware, software; languages; algorithms; structured design; spreadsheets; graphics; word processing; curve fitting; SPICE and other electrical engineering applications. Lecture 2 hours, laboratory 3 hours.

- **EE 304 - Electric Machines**

---

(4)

Prerequisite: EE 204 with C or higher grade. Electromechanical principles and applications to electric machines.

- **EE 314 - Electromagnetic Energy Conversion Laboratory**

---

(1)

Prerequisites: EE 304, 211. Laboratory investigations of electromechanical machines. Laboratory 3 hours.

- **EE 317 - Electronics Laboratory I**

---

(1)

Prerequisites: EE 211, 210, 336. Laboratory study of semiconductor devices and applications in basic circuits. Laboratory 3 hours.

## • **EE 320 - Analog Communication Systems**

---

(4)

Prerequisite: EE 332. Bandwidth requirements of audio, video, and pulse signals; carrier communications systems; types of modulation; communication circuits; transmitters and receivers.

## • **EE 321 - Communications Laboratory**

---

(1)

Prerequisites: EE 317; 320 (may be taken concurrently). Laboratory investigations of characteristics of communication systems and components. Laboratory 3 hours.

## • **EE 330 - Writing for Electrical Engineers**

---

(1)

Corequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), completion of any two 300-level EE lecture courses. Writing for electrical engineers. Intensive practice in writing abstracts, reports, reviews, and other forms of technical writing. Some oral presentations required. Laboratory 3 hours.

## • **EE 332 - Systems Analysis**

---

(4)

Prerequisites: EE 204; Corequisite: MATH 215. Linear systems analysis by Fourier and Laplace transform and state space methods; complete system response and system applications.

## • **EE 334 - Probability and Random Processes**

---

(4)

Corequisite: MATH 209. Concept of probability, random variables, probability distribution and density functions, multiple random variables, introduction to random processes and noise.

## • **EE 336 - Electronics**

---

(4)

Prerequisite: EE 204. Analysis and design of small-signal and large-signal electronic amplifiers; frequency response; feedback.

## • **EE 340 - Electronics Laboratory II**

---

(1)

Prerequisite: EE 317. Laboratory study of electronic amplifier circuits. Laboratory 3 hours.

## • **EE 345 - Microcomputer Programming**

---

(4)

Prerequisite: EE 244. Organization and structure of microcomputer systems; machine and assembly language programming; system software for microcomputers.

## • **EE 347 - Computer Logic Design**

---

(4)

Prerequisite: EE 244. Integrated circuit digital functions; design of computer system by means of register transfer method; processor unit design; control logic design; design of general purpose computers.

## • **EE 360 - Control Systems Theory I**

---

(4)

Prerequisite: EE 332. Analysis and design of feedback control systems by classical methods; introduction to state-variable methods.

## • **EE 371 - Analog Electronics**

---

(4)

Prerequisite: EE 336. Multistage amplifiers; frequency and time-domain response; feedback; tuned amplifiers; distortion; power amplifiers; operational amplifiers.

## • **EE 372 - Digital Electronics**

---

(4)

Prerequisites: EE 244, 336. Switching mode circuits; diode circuit applications; opto-electronic devices; TTL, CMOS, ECL families; logic gates; SSI, MSI, LSI circuit functions.

## • **EE 412 - Antennas**

---

(4)

Corequisite: EE 437. Dipole, loop, aperture, and other antennas; array theory, antenna patterns, and pattern multiplication; radiation resistance, directivity, and gain; antenna synthesis and design.

## • **EE 413 - Systems Engineering**

---

(4)

Prerequisite: EE 360. System definitions and concepts; systems age; systems engineering process; conceptual, preliminary, and detail system design; system test and evaluation; systems engineering planning, organization, and management.

## • **EE 420 - Digital Communication Systems**

---

(4)

Prerequisite: EE 320. Analysis and design of digital communication systems; source encoders; PCM; matched filter detectors; timing considerations; baseband systems; ASK, FSK, PSK; error analysis; design considerations.

## • **EE 421 - Coding for Communications**

---

(4)

Prerequisite: EE 320. Information theory; entropy coding; data compression; forward error detection and correction.

## • **EE 422 - Digital Signal Processing**

---

(4)

Prerequisite: EE 320. Sampling, A/D conversion; discrete linear system theory; Z-transform; digital filters, recursive and nonrecursive designs; quantization effects; fast Fourier transform; windowing.

## • **EE 424 - Fiber Optics**

---

(4)

Prerequisites: EE 320. Generation, transmission, and modulation of beams, propagation of optical beams in homogeneous and inhomogeneous media; electro-optic modulation of laser beams.

- **EE 426 - Digital Image Processing**

---

(4)

Prerequisite: EE 320. Digital image fundamentals, image transforms, image enhancements, image restoration and image encoding.

- **EE 427 - Speech Signal Processing**

---

(4)

Prerequisites: CS 242, EE 334, EE 422. Speech signal processing applied to real-world problems using digital and statistical signal processing techniques. Speech coding; temporal and statistical approaches; speech recognition.

- **EE 428 - Digital Signal Processing Laboratory**

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(1)

Prerequisites: EE 290, EE 332. Graphical computing and data acquisition technique via LabVIEW to solve Electrical Engineering problems. LabVIEW, graphical computing, data acquisition.

- **EE 431 - Electric Power Distribution**

---

(4)

Prerequisite: EE304. Planning, designing and analyzing electric power distribution systems. Distribution circuits, and equipment. Underground and overhead power distribution, protection of distribution circuits, equipment and loads. Power quality. Distribution economics.

- **EE 432 - Power Transmission Lines**

---

(4)

Prerequisite: EE 304. Function and structure of power systems, transmission lines, generalized circuit constants, circle diagrams, system representation.

- **EE 433 - Electric Power System Analysis**

---

(4)

Prerequisite: EE 432. Load-flow studies, load-flow control, symmetrical components, short circuits on machines and systems, system protection, elements of system stability, economic operation.

- **EE 434 - Electromagnetic Energy Conversion**

---

(4)

Prerequisite: EE 304. Analysis of realistic machine performance; steady state and dynamic response of d-c, synchronous and induction machines; fractional horsepower a-c motors.

- **EE 436 - Analog Integrated Circuits**

---

(4)

Prerequisite: EE 336. Analysis, design, and characteristics of operational amplifiers, voltage comparators and regulators, analog-to-digital, and digital-to-analog converters.

- **EE 437 - Electric and Magnetic Fields**




---

(4)

Prerequisite: EE 332. Static field theory and applications; Maxwell's equations and applications; electromagnetic waves; introduction to transmission lines.




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## Course Descriptions

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### Electrical and Computer Engineering (Undergraduate)

*In addition to prerequisites listed for individual courses, ENGL 102\*, COMM 150, and EE 290 are prerequisite to all upper division EE courses.*

*\*Students subject to catalogs prior to 1997-1999 satisfy this prerequisite with ENGL 101 or 190.*

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

#### • **EE 439 - Digital Integrated Circuits**

---

(4)

Prerequisites: EE 336. In-depth study of logic families aided by computer analysis; VLSI circuit design; regenerative circuits; memories; A-D converters.

#### • **EE 440 - Data Communications and Networking**

---

(4)

Prerequisite: EE 320 and CS 242. Data communications, layered communication architectures, low-layer network protocols, local area networks, and wide area networks.

#### • **EE 442 - Multimedia Networking**

---

(4)

Prerequisites: EE290, 440. Principles, protocols and systems of multimedia networking. Video/audio compression standards (MPEG-x, MP3). Real-time transport protocol. QoS in video streaming. Multimedia over Internet.

#### • **EE 443 - Programmable Logic Laboratory**

---

(1)

Prerequisites: EE 448. Laboratory experiments in design of combinational and sequential digital circuits using a hardware description language (e. g. Verilog) and programmable devices. Laboratory 3 hours.

#### • **EE 444 - Computer Architecture**

---

(4)

Prerequisite: CS 245. Computing Systems. Integrated study of computer hardware and firmware. Introduction to parallel architectures.

#### • **EE 445 - Microprocessor Interface Design**

---

(4)

Prerequisite: EE 345. Microprocessor architecture and timing; bus structures; memory system design; parallel and serial input/output; interrupts and timers; analog-digital and digital-analog conversion.

#### • **EE 446 - Embedded Architectures**

---

(4)

Prerequisites: CS 242, EE 244. Modeling of embedded systems, ARM assembly, embedded computing, memory technology, real-time systems, and embedded applications.

---

- **EE 447 - Backend Compiler Technology**

---

(4)

Prerequisites: CS 342 and EE 347. Introduction to backend compiler fundamentals: intermediate representations, control flow analysis, profiling, data flow analysis, function inlining, classical optimizations, register allocation, dependence graphs, machine description files and instruction scheduling.

---

- **EE 448 - HDL Design and Simulation Laboratory**

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(1)

Prerequisite: EE 246. Design of digital systems using a hardware description language (HDL). Hierarchical design methodologies are introduced, where designs can be modeled behaviorally and/or structurally. Designs are verified through simulation. Laboratory 3 hours.

---

- **EE 449 - Computer Organization**

---

(4)

Prerequisite or corequisite: EE 347. Central processor unit organization; microprocessor architecture; control unit organization; microprogramming; input-output, interface; microcomputer hardware organization.

---

- **EE 454 - Special Topics in Electrical Engineering**

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(1–4)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced engineering subjects upon approval of instructor. Permission needed by department.

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- **EE 460 - Control Systems Theory II**

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(4)

Prerequisite: EE 360. Design of multiple-loop, multiple-signal control systems; nonlinear control systems; computers and optimization.

---

- **EE 461 - Discrete-Time Control Systems**

---

(4)

Prerequisite: EE 360. Discrete-time signals; difference equations; Z-transform; modified Z-transform; stability analysis techniques; design of digital controllers; state space representations of linear discrete systems; controllability and observability.

---

- **EE 462 - State Space Control Systems**

---

(4)

Prerequisite: EE 360. State space representation; linear transformation; solution of state equations, model decomposition, equivalent systems; controllability, observability, duality theorem; stability analysis; design by state and output feedback.

---

- **EE 468 - Control Systems Laboratory**

---

(1)

Prerequisite or corequisite: EE 360. Analysis and design of fundamental control systems by model and full-scale construction in laboratory, and by employing root-locus, frequency response, analog simulation, and other standard techniques. Laboratory 3 hours.

- **EE 472 - Optoelectronics**

---

(4)

Prerequisite: EE 336. Characteristics and applications of optoelectronic devices and systems including photodiodes and phototransistors, image sensors, light-emitting diodes and laser diodes, and fiber optic systems.

- **EE 481 - Introduction to Robotics**

---

(also listed as ME 481)

(4)

Prerequisite: EE 360 or ME 410. General considerations of robotic manipulator; spatial description, homogeneous transformations; manipulator kinematics; inverse manipulator kinematics; motion trajectories; static forces.

- **EE 483 - Power Electronics**

---

(4)

Prerequisite: EE 336. Electrical and thermal characteristics of power thyristors, BJTs and FETs, diodes, triacs, diacs, and UJTs; applications in energy conversion and control switching power supplies, converters, and inverters.

- **EE 485 - Biomedical Instrumentation**

---

(4)

Prerequisites: EE204, EE332, EE336. In this introduction to biomedical engineering, students will explore the use of electronic circuit design in medical instrumentation. Topics include electronic device design of neural prostheses and signal conditioning circuitry.

- **EE 486 - Biomedical Signal Processing**

---

(4)

Prerequisites: EE 332. This course is designed to teach students signal processing techniques used in biomedical areas, particularly those involving neural signal acquisition, such as medical imaging, auditory and visual processing, and neural decoding.

- **EE 491 - Robotics Laboratory**

---

(1)

Prerequisite or corequisite: EE/ME 481. Robot system installation; programming and languages; link kinematics and motion planning; control of the arm; automated manufacturing and computer-integrated manufacturing (CIM).

- **EE 496A - Senior Design I**

---

(3)

Prerequisites: Selection of upper division specialization within EE option; completion of at least two 300-level required courses; Corequisites: EE330; completion of at least one upper division lab. Study of engineering design processes; selection of a design project focusing on typical problems encountered in engineering practice; completion of the conceptual design under faculty-supervision.

- **EE 496B - Senior Design II**

---

(3)

Prerequisite: EE 496A with grade of C or higher. Build upon on the conceptual design developed in EE496A to achieve a detailed design and initialize the implementation. Permission needed by department.

- **EE 496C - Senior Design III**

---

(3)



Prerequisite: EE 496B with grade of C or higher. Completion of design project initiated in EE 496AB. Final written and oral report are required.

- **EE 498 - Cooperative Education**

---

(1)

Prerequisites: Permission is granted by department under the following conditions: acceptance by the corresponding worksite; junior, senior, or graduate standing; minimum of 2.5 GPA for undergraduates and 3.00 for graduates; graduate students must have completed minimum of 12 quarter units of graduate EE coursework at CSULA. Integration of Electrical Engineering work experience with academic program individually planned through industry mentors under unpaid internship. Minimum of 10 hours per week required. Letter of completion by industry mentor, written abstract, and written final report are required. May only be taken once for credit. Graded CR/NC.

- **EE 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Permission needed by department. Project selected in conference with the sponsor before registration; progress meeting held regularly, and a final report submitted. May be repeated for credit.

### **Electrical and Computer Engineering (Graduate)**

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500 level courses*

- **EE 513 - System Analysis and Design**

---

(4)

Prerequisite: EE 413. Alternative system designs for decision making; models for economic evaluations; system optimization in design and operation; queuing systems; control concepts in system design; system design for reliability and affordability.

- **EE 514 - Systems Risk Analysis**

---

(4)

Prerequisite: EE 413. Elements and types of engineering risk; Probabilistic risk assessment; Risk scenarios; Uncertainty analysis; Risk identification and ranking; Decision making using risk information.

- **EE 515 - Systems Performance Analysis**

---

(4)

Prerequisite: EE 413. Engineering reliability evaluation and analysis; mechanical and human reliability; engineering maintainability and maintenance; design considerations for system reliability and maintainability; maintenance life cycle costing.

- **EE 516 - Systems Architecture**

---

(4)

Prerequisite: EE 413. Complexity and systems architecting; Heuristics; Builder-architected, manufacturing, social, software/information technology, and collaborative systems; Integrated modeling.

- **EE 520 - Advanced Digital Communications I**

---

(4)

Prerequisites: EE 334, EE 420, MATH 402A. Basic signal space concepts; elements of detection theory; spectral analysis of signals; analytic signals and narrowband processes; performance analysis of various digital communication schemes.

-

## **EE 521 - Advanced Digital Communications II**

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(4)

Prerequisites: EE 520. Digital transmission over bandwidth-limited channels; intersymbol interference; linear, fractionally spaced, and decision feedback equalizers; adaptive equalization; characterization of the time-varying fading channel; modulation techniques for fading channels.

## **• EE 522 - Principles of Signal Compression**

---

(4)

Prerequisite: EE 334; MATH 402A. Entropy and mutual information; the rate-distortion functions and the source coding theorem; sampling and quantization; linear prediction; transform coding; entropy coding.

## **• EE 523 - Wireless Communications**

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(4)

Prerequisite: EE 520. Corequisite: EE 521. Analysis and design of wireless communication systems at the link level, multiple access techniques, wireless networking, and introduction to wireless protocols and standards. Lecture 4 hours. Traditional grading (AB,C,D,F).

## **• EE 524 - Simulation of Communication Systems**

---

(4)

Prerequisite: EE 520. Corequisite: EE 521. Theory and practice of digital Montecarlo time-domain simulation of digital and analog transmission systems including linear and nonlinear system modeling, performance evaluation, and computer efficient simulation techniques. Applications to radio relay links, satellite and wireless communications. Lecture 1 hour, laboratory 3 hours. Traditional grading (A, B, C, D, F).

## **• EE 525 - Optical Communications**

---

(4)

Prerequisite: EE 520. Corequisite: EE 521. Analysis and design of optical communication systems, terrestrial fiber optic systems and free space laser communication systems. Optical sources, detectors, and optical system components. Homodyne and heterodyne detection and optical modulation techniques. Fiber optic networks (WDM, TDM, CDM and OCS). Lecture 4 hours. Traditional grading (A, B, C, D, F).

## **• EE 533 - Computer Method in Power Systems**

---

(4)

Prerequisites: EE 332, 433. Algorithms for formulation of network matrices; short-circuit studies on computers; iterative solutions of algebraic and differential equations; digital computer techniques for load flow.

## **• EE 534 - Power System Stability**

---

(4)

Prerequisites: EE360, 533. Steady state and transient stability of electric power systems; stability criterion; emphasis on digital computer techniques as applied to stability problems of electric power systems.

## **• EE 535 - Power System Protective Relaying**

---

(4)

Prerequisite: EE433. Philosophy, purpose and goals of power system protective relaying. Electromechanical and digital relays. Instrument transformers. Directional, overcurrent, distance and differential protection. Protective relay schemes.

## **• EE 537 - Faulted Power Systems**

---

(4)

Prerequisite: EE 433. Analysis of symmetrical and unsymmetrical faults in electric power systems. Computation of fault currents; applications.

- **EE 544 - Computer Networks and Internets**

---

(4)

Prerequisite: EE 440. Advanced study of computer networks, network performance analysis, routing algorithms and protocols, TCP/IP, next generation Internet, and Internet applications.

- **EE 545 - Mobile Ad Hoc Networks**

---

(4)

Prerequisites: EE440. Principles, practices, and research topics on Ad Hoc Networks and Security. MAC layer design (IEEE802.11, MACAW), routing (DSR, AODV, LAR), cryptography, authentication, access control and security protocols (WEP, WPA).

- **EE 547A - Computer System Architecture I**

---

(4)

Prerequisite: EE 449. Computational algorithms and the arithmetic processor, central control and microprogramming, input-output processors, data communication processors and time-sharing systems.

- **EE 547B - Computer System Architecture II**

---

(4)

Prerequisite: EE 547A. Computational algorithms and the arithmetic processor, central control and microprogramming, input-output processors, data communication processors and time-sharing systems.

- **EE 548 - High Performance Computing**

---

(4)

Prerequisites: EE 447, 547A. Study of compiler and hardware support for superscalar and EPIC architectures including predicated execution, control speculation, data speculation, modulo scheduling, acyclic global scheduling, memory latency hiding techniques, and dynamic compilation.

- **EE 554 - Special Topics in Electrical Engineering**

---

(4)

Prerequisite: Graduate standing in Electrical Engineering. Study of selected graduate level topics not currently offered in the graduate program. The topics of the course and its content shall be established by the instructor offering the course. Permission needed by department. May be repeated for credit.

- **EE 560 - Linear Systems Analysis**

---

(4)

Prerequisite: EE 462. Vector spaces; Lyapunov stability analysis for linear systems; controllability; observability; stabilizability; detectability; Kkalman canonical forms; relation between state space and transfer function; system irreducibility; state and output feedback system design; separation principle; design of decoupled systems.

- **EE 561 - Stochastic Systems and Estimation**

---

(4)

Prerequisite: EE334, 360. Stochastic processes, power spectrum analysis, response of linear systems to stochastic inputs, Markov chains, estimation theory and Kalman filtering, applications to control and communications.

## **EE 562 - Advanced Digital Control Systems**

---

(4)

Prerequisite: EE 461, 462. Signal flow graphics, state equations with sample and hold; state transition equation, eigenvalues and eigenvectors; state diagram, controllability and observability ; pole placement design, microprocessor and DSP control

## **• EE 563 - Optimal Control Theory**

---

(4)

Prerequisite: EE 462. Optimal control; performance measures; principle of optimality; dynamic programming; Hamilton Jacobi-Ballman equation; variational approach; constrained extrema; Pontryagin principle, necessary conditions; solution techniques; singularity cases; applications.

## **• EE 585 - Neural Computation**

---

(4)

Prerequisites: EE 334, EE 485, EE 486. Learn how computation is performed by the human nervous system and how to apply these models to biomedical problems.

## **• EE 596 - Comprehensive Examination**

---

(0)

Prerequisites: Permission needed by department. Students who select the comprehensive examination should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements. Grade CR/NC

## **• EE 597 - Graduate Research**

---

(1–5)

Prerequisites: Permission needed by department. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Grade CR/ NC. Instructor consent to act as sponsor, departmental approval of project prior to registration.

## **• EE 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: Permission needed by department. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit. Instructor consent to act as sponsor.

## **• EE 599 - Thesis**

---

(1–4)

Prerequisites: Permission needed by department. Independent research in a thesis. Must be repeated to maximum of 4 units. Graded CR/ NC. Advancement to candidacy, instructor consent to act as sponsor, college approval of the topic prior to registration.

## **• EE 900 - Graduate Studies**

---

(0)

Prerequisite: Permission needed by department. Graduate Studies

### **Electronics and Internetworking (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

•

## **TECH 120 - DC Electronics**

---

(3)

DC circuits; hands-on experiences in using VOM and DVM for basic electrical measurement and troubleshooting. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

## **• TECH 325 - Industrial Controls**

---

(3)

Prerequisite: TECH 321. Sensors and their control applications; process control and data acquisition; motor controls; practical control applications. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

## **• TECH 327 - Microprocessors**

---

(3)

Prerequisite: TECH 326. Architecture, programming, interface, and applications of microprocessors; hands-on programming and interfacing applications. Lecture 1 ½ hours, laboratory 4 1/2 hours.

## **• TECH 421 - Internetworking Technology**

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(4)

Computer networking in LAN and WAN, OSI model, TCP/IP, data encapsulation, LAN devices, network media, cable testing, structured cabling, Ethernet technology, layer 2 switching, IP addressing, subnetting, and routing.

## **• TECH 422 - Router Configurations**

---

(4)

Prerequisite: TECH 421. The course covers the WANS, Cisco Router and its configuration, Cisco Internetworking Operating System (IOS), distance vector routing protocols like RIP and IGRP, intermediate TCP/IP, ACLS, and basic router troubleshooting.

## **• TECH 423 - Intermediate Routing and LAN Switching**

---

(4)

Prerequisite: TECH 422. The topics of classless IP addressing techniques: VLSM and CIDR, single area OSPF and EIGRP routing, LAN switching and design, switch configuration, Spanning Tree Protocol, VLANs, and VLAN trunking protocol.

## **• TECH 424 - Wide Area Networks**

---

(4)

Prerequisite: TECH 423. Addresses Scaling with NAT and DHCP, WAN physical and data link protocols, WAN connections, LAN/WAN case study, PPP, ISDN, DDR, Frame Relay, network management, and CCNA certification preparation.

## **• TECH 425 - Programmable Controls**

---

(3)

Prerequisite: TECH 325. Applications, programming, and trouble-shooting of programmable logic controllers (PLC) and motion controls with servo and stepper motors; hands-on applications. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

### **English (Undergraduate)**

*Eligibility for ENGL 095, 096, and 101 will be determined by the results of the English Placement Test (EPT), which students must take before they may register for any of these courses.*

*Upper division standing is prerequisite to enrollment in 400-level courses. ENGL 102 or its equivalent is prerequisite to all upper division English*

- **ENGL 095 - Basic Writing I**

---

(4)

Prerequisite: English Placement Test (placement determined by student's score). Instruction in basic writing and reading. Focus on writing processes such as invention, revision, and editing. Use of personal experience and/or observation in narrative and expository essays. Graded CR/NC. Not open to students with credit for this course, an equivalent, or a higher level English composition course. Students with two NC grades may not enroll again. No credit toward baccalaureate.

- **ENGL 096 - Basic Writing II**

---

(4)

Prerequisite: English Placement Test (placement determined by student's score) or passing grade in ENGL 095. Frequent essays based on reading and responding to expository prose; instruction in expository writing conventions and critical reading strategies. Graded CR/NC. Not open to students with credit for this course, an equivalent, or a higher level English composition course. Students with two NC grades may not enroll again. No credit toward baccalaureate.

- **ENGL 100 - Supplemental Writing Practice**

---

(1)

Prerequisite: Permission of the instructor, concurrent enrollment in English 101 or 102 or other designated course. Supplemental practice in revising and editing essays. Regular meetings with Writing Center tutor. May be repeated to maximum of 4 units. Graded CR/NC.

- **ENGL 101 - Composition I**

---

(4)

Composition I: Reflective and Expository Writing Prerequisite: English Placement Test or completion of ENGL 096. Reading and writing to develop and communicate ideas. Instruction in basic strategies for planning, composing, and revising college writing. Use of authorities, examples, arguments and facts. Graded A,B,C/NC.

GE A1

- **ENGL 102 - Composition II**

---

(4)

Prerequisite: ENGL 101 or equivalent. Continuing to practice the rhetorical skills introduced in ENGL 101, students will develop analytical, interpretive, and information literacy skills necessary for constructing a well-supported, researched, academic argument. Graded A, B, C/NC. \*ENGL 102 or its equivalent is prerequisite to all English courses with higher numbers. Students subject to catalogs prior to 1993-95 satisfy the prerequisite with ENGL 101 or 190.

- **ENGL 200A - The Classical and Medieval Tradition**

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(4)

Prerequisite: ENGL 102\*. Survey of classical and medieval literature in the European tradition. Frequent compositions on various literary topics.

- **ENGL 200B - British Literature Survey I**

---

(4)

Prerequisite: ENGL 102\*. A survey of representative literary texts from the Medieval Period through the Restoration. Frequent compositions on literary topics.

- **ENGL 200C - British Literature Survey II**

---

(4)

Prerequisite: ENGL 102\*. A survey of representative literary texts from the eighteenth century through the present. Frequent compositions on

literary topics.

- **ENGL 207 - Beginning Creative Writing**

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(4)

A beginning creative writing workshop that introduces students to techniques of imaginative writing in fiction, poetry, and drama in a constructive workshop setting that includes analysis of published literary works.

**GE C1**

- **ENGL 210 - Conceptions of the Self in Philosophy and Literature**  
(also listed as PHIL 210)

---

(4)

Examination of various conceptions of the self as they arise in philosophical and literary texts; examination of methods and goals of the philosophical and literary arts.

**GE C5**

- **ENGL 225 - Interpreting World Cinema**  
(also listed as TVF 225)

---

(4)

Critical survey of world cinema as art and cultural artifact. Provides critical methodology and practical tools for analyzing and interpreting international film movements, genres and themes.

**GE C2**

- **ENGL 230 - Language and Society**  
(also listed as ANTH 230)

---

(4)

An introduction to linguistics as a social science. Exploration of the relationship of language to a variety of social issues including race, class, and gender.

**GE D**

- **ENGL 240 - Film, Novel, Theater**  
(also listed as TVF and TA 240)

---

(4)

Prerequisite: Completion of ENGL 102\*. An exploration of film, theater, and fiction through the process of adaptation. Analysis of the roles of audience, modes of delivery, concepts of form and structure, and cultural impact.

**GE C5 \*Students subject to catalogs prior to 1993-95 satisfy the prerequisite with ENGL 101 or 190.**

- **ENGL 250 - Understanding Literature**

---

(4)

Forms and techniques of fiction and/or drama, and poetry; analysis of representative works of various periods and cultures; critical compositions and reports. Not open to English majors.

**GE C1**

- **ENGL 258 - Mythology in Literature**

---

(4)

Analysis and interpretation of dominant myths in representative works of world fiction, drama, and poetry; critical compositions.

**GE C1**

- **ENGL 260 - Women and Literature**

---

(4)

Multicultural approach to studying the ways women's diverse experiences are represented in literature.

**GE C1**

- **ENGL 270 - Contemporary American Literature**

---

(4)

An introduction to post-WWII American literature. Students will analyze texts from a variety of perspectives, including race, class, gender, and sexual orientation.

**GE C1**

- **ENGL 276 - Introduction to Play Writing**

---

(also listed as TA 276)

(4)

Prerequisite: ENGL 200A or 200B or 200C or TA 101. Collaborative approach to writing for the stage; emphasis on writing theory and techniques; introduction to dramaturgy, directing, literary management, and staged reading.

- **ENGL 280 - Contemporary World Literature**

---

(4)

Recent fiction, poetry, and drama written by authors outside the U.S.; close analysis of representative works; critical compositions.

**GE C1**

- **ENGL 300 - Composition for ESL Students**

---

(2)

Prerequisite: ENGL 102 or equivalent. Strategies to facilitate increased acquisition of English and mastery of college-level writing for students for whom English is a second language. May be repeated to a maximum of 4 units. Graded CR/NC

- **ENGL 301 - Introduction to Language**

---

(4)

Introduction to the structures and history of the English language; traditional and alternative grammars; theories of language as they relate to language acquisition and sociolinguistics. Some sections may include a service learning option.

- **ENGL 305 - English Grammar and Usage**

---

(4)

Analysis of English grammar; understanding the function of parts of speech as sentence and phrase components; identifying standard and non-standard usage in written expression.

- **ENGL 306 - Technical Writing**

---

(4)

Prerequisite: Passing WPE score. Fundamentals of technical writing; development and writing of mechanism descriptions, proposals, feasibility studies, progress reports, and long technical reports.

- **ENGL 308 - Expository Writing**

---

(4)

Prerequisite: Passing WPE score. Methods of and practice in writing analytical essays that present persuasive arguments; emphasis on



coherent organization, clear style, rigorous argumentation.

- **ENGL 310 - Genres of Writing**

---

(4)

Prerequisite: Field experience and concurrent enrollment in 1 unit of ENGL 398 required for students seeking certification of subject area competency through the Single Subject Teaching option. Methods of and practice in genres of writing taught in middle and secondary schools including creative writing, journalism, and expository writing.

- **ENGL 327 - Ethnicity and Emotions in U.S. Film**  
(also listed as CHS 327 and PAS 327)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. The critical analysis of the representations of ethnicity and emotions in U.S. film.

**GE Theme E ; Approved diversity course**

- **ENGL 340 - Writing in the Major**

---

(4)

Prerequisites: ENGL 102. Introduction to methods of reading, writing, and research in the discipline of English studies: emphasis on close reading, critical response, and intensive writing practice.

- **ENGL 354 - Selected Topics in Literature**

---

(4)

Representative works in literature of various thematic or stylistic types. Specific topics announced in Schedule of Classes. May be repeated to a maximum of 8 units for credit.

- **ENGL 377 - Literary Explorations of Justice and Racism**  
(also listed as PAS 377)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Analysis of the literary depiction of racism and justice, with emphasis on the treatment of civil rights issues in fiction, drama, and poetry.

**GE Theme H ; Approved diversity course**

- **ENGL 379 - Gender and Sexuality in Popular Culture**  
(also listed as TVF 379)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Survey and critical analysis of narrative and visual representations of gender and sexuality in the modes of popular culture, such as television, film, advertising, popular fiction, and the tabloid press.

**GE Theme C ; Approved diversity course**

- **ENGL 381 - Legacy of Greek and Roman Literature**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Legacy of ancient literature through focus on three themes: the self consciousness, society, and nature. May include a service learning option.

**GE Theme I**

- **ENGL 382 - Violence and Literature**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Thematic and critical examination of representations of violence in literature. Will consider violence across cultural, racial, sexual and generational boundaries.

**GE Theme B**

### • **ENGL 383 - Narratives of Maturity and Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Critical examination of the representations of human maturity and aging in literary works from a range of periods, forms and genres. Examines the part that aging plays in human experience.

**GE Theme F**

### • **ENGL 385 - Sex and Gender in Language and Literature** (also listed as COMM 385)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Analysis of concepts of sex, gender as experienced in language and literature. Comparative language behavior of women and men as revealed in research on communication and in representative literary works, both classical and modern.

**GE Theme C ; Approved diversity course**

### • **ENGL 389 - Human Emotions in Literary Expression** (also listed as ML 389)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Emotions such as love, anger, laughter, fear, joy, sorrow, guilt, pain or oppression, as represented in prose and poetic forms of various cultures.

**GE Theme E**

### • **ENGL 392 - Statement and Literary Magazine Editing**

---

(1-4)

Prerequisite: Consent of faculty member advising the course. Techniques of editing and producing literary magazines. May be repeated to maximum of 6 units. Graded CR/NC.

# Course Descriptions

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## English (Undergraduate)

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*Upper division standing is prerequisite to enrollment in 400-level courses. ENGL 102 or its equivalent is prerequisite to all upper division English courses. Prerequisite for all literature courses: ENGL 250, or 200A, 200B or 200C unless otherwise stated.*

- **ENGL 398 - Cooperative Education**

### UNIV 398

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(1-8)

Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- **ENGL 400 - Introduction to Linguistics**

(also listed as ANTH 471)

---

(4)

Descriptive and historical study of language; problems of data collection and techniques of analysis, linguistic structure, language classification, language families of the world, language in its socio-cultural setting.

- **ENGL 401 - English Language in America**

---

(4)

Introduction to linguistic theory; elementary structural analysis of phonology, morphology, and syntax; discussion of levels and functional varieties of usage.

- **ENGL 402 - History of the English Language**

---

(4)

External history; structural history; history of vocabulary; principles of historical linguistics.

- **ENGL 403 - Language and Culture**

(also listed as ANTH 470)

---

(4)

Prerequisite: ANTH 250. Nature, origin, and evolution of language. Survey of approaches and studies illustrating variations in the relation of habitual thought and behavior to language.

- **ENGL 405 - Modern English Grammar**

---

(4)

Prerequisite: ENGL 401. Transformational generative analysis of contemporary morphology and syntax; its relationship to alternate grammars of English.

- **ENGL 406 - Writing Nonfiction**

---

(4)

Prerequisite: Passing WPE score. Methods of and practice in writing documentary, biographical, and other nonfiction prose; emphasis on style, detail, effective development.

- **ENGL 407 - Writing Fiction**

---

(4)

Prerequisite: Instructor consent. Instruction in the technique and art of writing fiction. May be repeated to maximum of 16 units.

- **ENGL 408 - Writing Poetry**

---

(4)

Prerequisite: Instructor consent. Instruction in the technique and art of writing poetry. May be repeated to maximum of 16 units.

- **ENGL 410 - Writing in the Schools**

---

(4)

Prerequisites: One upper division ENGL linguistics course; satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Discussion of composing and theories of discourse; review of research in written expression; practice in applying and evaluating theories.

- **ENGL 411 - Practicum in Tutoring English**

---

(2)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Discussion of composition theory, linguistic theory, and connections between reading and writing. Practice in effective tutoring methods in various educational situations. Lecture 2 hours, lab 4 hours. Graded CR/NC.

- **ENGL 416 - Chaucer**

---

(4)

Troilus and Criseyde, the Canterbury Tales, and selected minor poems as works of art and as reflections of culture and literary conventions of the time.

- **ENGL 417 - Shakespeare I**

---

(4)

Shakespearean drama. Intensive study of five or six plays chosen from the following: Julius Caesar, Romeo and Juliet, Macbeth, Twelfth Night, The Merchant of Venice, Henry IV– Part One, Richard III, and Hamlet; elements of Shakespearean drama.

- **ENGL 418 - Shakespeare II**

---

(4)

Intensive study of four or five plays (and poems) not included in 417; range and diversity of Shakespeare's art in his time and ours.

- **ENGL 419 - Milton**

---

(4)

Selected works of John Milton.

- **ENGL 424 - Greek and Roman Drama in Translation**

---

(4)

Plays by Aeschylus, Sophocles, Euripides, Aristophanes, Seneca, Plautus, and Terence; characterization, style, focus, and problems of translation.

- **ENGL 425 - Epic and Legend**

---

(4)

Stylistic, thematic, generic, and cultural analysis of representative epics and legends from world literature.

- **ENGL 426 - African Literature**

(also listed as PAS 426)

---

(4)

Prerequisite: ENGL 250. African literature and its cultural background; intensive study of writers in English and others in translation; critical compositions and reports.

- **ENGL 428 - Contemporary Drama: Continental, English, and American**

---

(4)

Prerequisite: ENGL 427 recommended. Representative plays by such dramatists as Brecht, Lorca, Beckett, Sartre, Genet, Pinter, Miller, Williams. Modern poetic drama; epic, existential, and absurdist theatre; theatre of cruelty.

- **ENGL 430 - Children's Literature**

---

(4)

Prerequisite: Passing WPE score. Analysis and evaluation of literature for children; role of literature in children's education. Some sections may include a service learning option.

- **ENGL 432 - Literature for Adolescents**

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(4)

Prerequisite: Passing WPE score. Analysis and evaluation of literature appropriate for adolescents; examination of adolescent concerns in literary works.

- **ENGL 441 - Major Critics**

---

(4)

Major critical approaches to literature; systems of Aristotle, Dryden or Johnson, Wordsworth, Coleridge; a modern critic or a contemporary critical problem.

- **ENGL 446A - The British Novel: The Eighteenth Century**

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(4)

The development of the novel in Britain from late 17th century prose romance through 18th century comic and gothic to early 19th century realistic fiction studied through representative writers.

- **ENGL 446B - The British Novel: The Nineteenth Century**

---

(4)

The novel in Britain from the late gothic and early realism up to the beginning of modernism studied through representative writers such as Shelley, Dickens, the Brontës, Thackeray, Gaskell, Eliot, Trollope, and Hardy.

- **ENGL 446C - The British Novel: The Twentieth Century**

---

(4)

The novel in Britain from modernism to the present studied through representative writers such as Conrad, Joyce, Woolf, Forster, and Lawrence.

- **ENGL 451 - Film and Literature**

---

(4)

Critical study of films adapted from literary sources along with analysis of original literature for purpose of contrasting the media. May be repeated to a maximum of 8 units as subject matter changes.

- **ENGL 452 - Reading Cultures: Cultural Studies and English Literature**

---

(4)

Survey of the history of cultural studies; introduction to the basic concepts of cultural studies, including mass, popular, and subcultures; cultural analysis of literary texts. Some sections may include a service learning option.

- **ENGL 453 - Modern Women Writers**

---

(4)

Representative works by such women writers of the modern world as Kate Chopin, Gertrude Stein, Willa Cather, Isak Dinesen, Colette, Virginia Woolf, Doris Lessing, and Gabriela Mistral.

- **ENGL 454 - Selected Topics in Literature**

---

(4)

Advanced study of representative works in literature of various thematic or stylistic types. Specific topics announced in Schedule of Classes. Open to English majors. May be repeated to a maximum of 8 units for credit.

- **ENGL 460 - Medieval English Literature**

---

(4)

Lyric poetry, epic and romantic narratives, and dramatic works, from Anglo-Saxon beginnings through fifteenth century, exclusive of Chaucer. Readings in Middle English and in translation.

- **ENGL 461 - Dramatic Literature of the English Renaissance**

---

(4)

Representative plays by Elizabethan and Jacobean dramatists exclusive of Shakespeare, e.g., Marlowe, Dekker, Webster, Jonson, Beaumont, and Fletcher.

- **ENGL 463 - The English Renaissance**

---

(4)

Nondramatic literature from Wyatt to Bacon; British and continental cultural, literary, and philosophical backgrounds.

- **ENGL 464 - Seventeenth-Century Literature**

---

(4)

Prose and poetry from Donne to Dryden, excluding Milton; literary, social and political backgrounds.

- **ENGL 465 - The Augustan Age**

---

(4)

Literature from Swift and Pope through Johnson; social and philosophical backgrounds.

- **ENGL 467 - The Romantic Age**

---

(4)

Prose and poetry from Blake to Keats; cultural and philosophical backgrounds.

- **ENGL 468 - The Victorian Age**

---

(4)

Prose and poetry of major Victorian writers; social and philosophical backgrounds.

- **ENGL 469A - Modern British Literature**

---

(4)

Representative works of British literature of the early 20th century (1900-1950) will be examined in their cultural and aesthetic contexts.

- **ENGL 469B - Contemporary British Literature**

---

(4)

A survey of contemporary British Literature and analysis of genres, themes, ideologies, aesthetic innovations and contributions made by post-World War II British writers.



- **ENGL 470 - American Women Writers**

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(4)

Critical study of the literary achievements of American women, such as Stowe, Dickinson, Chopin, Wharton, Cather, Hurston, Porter, Morrison, and Kingston.

- **ENGL 471 - American Literature: Beginnings to 1860**

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(4)

Puritanism to transcendentalism. Emphasis on such writers as Edwards, Emerson, Hawthorne, Melville, Poe, and Thoreau.

- **ENGL 472 - American Literature: 1860–1914**

---

(4)

The movement toward realism and naturalism. Emphasis on such writers as Whitman, Dickinson, Twain, Howells, James, and Crane.

- **ENGL 473 - American Literature: 1914 to Present**

---

(4)

Representative writers of American modernism and postmodernism.

- **ENGL 475A - The American Novel:19th Century**

---

(4)

Development of American novel from 19th century to present. Representative works by major American novelists(e.g., Cooper, Hawthorne, Melville, Twain, James, Crane). (Courses need not be taken in sequence.) Supervised practice in writing.

- **ENGL 475B - The American Novel:1900–1945**

---

(4)

Development of American novel from 19th century to present. Representative works by major American novelists (e.g., Dreiser, Wharton, Cather, Anderson, Hemingway, Fitzgerald, Faulkner, Steinbeck). (Courses need not be taken in sequence.) Supervised practice in writing.

- **ENGL 475C - The American Novel:1945–Present**

---

(4)

Development of American novel from 19th century to present. Representative works by major American novelists(e.g., Wright, Bellow, Ellison, O'Connor, Updike, Pynchon). (Courses need not be taken in sequence.) Supervised practice in writing.

- **ENGL 476 - Ethnic Literature in the U.S.**

---

(4)

Literature by modern ethnic writers in the U.S. May include, among others, Asian-American, African American, Euro- American, Latino/a, and Native American literature. May involve an optional service learning component.

- **ENGL 477 - Black American Literature**

---

(4)

Representative works of 19th and 20th century black American writers such as Forten, Chesnutt, Dunbar, Hughes, Hurston, Wright, Baldwin, Walker, Brooks.

- **ENGL 478 - Modern Poetry**

---

(4)

Backgrounds of modern poetry; representative works by major British and American poets to 1930s, such as Yeats, Eliot, Pound, Frost, Williams, Stevens, and Lawrence.

- **ENGL 479 - Contemporary Poetry**

---

(4)

Representative works by British and American poets from 1930s to present, such as Auden, Roethke, Thomas, Lowell, Plath, Hughes, Berryman, Creeley, Baraka, Merwin.

- **ENGL 482 - The Bible as Literature: Old and New Testaments**

---

(4)

Types and styles of Biblical literature; geographical, historical, cultural, and archaeological backgrounds of both Testaments.

- **ENGL 483 - Folklore and Literature**

---

(4)

Forms of folklore and their relationship to literature; identification and analysis of the heritage of folklore in literature.

- **ENGL 484 - Major Continental Fiction: Cervantes to Balzac**

---

(4)

Representative works by European authors, e.g., Cervantes, Rousseau, Goethe, and Balzac.

- **ENGL 485 - Major Continental Fiction: Stendhal to Tolstoy**

---

(4)

Representative works by European authors, e.g., Stendhal, Flaubert, Chekhov, Dostoyevsky, and Tolstoy.

- **ENGL 486 - Twentieth Century Continental Fiction**

---

(4)

Representative works by European authors, e.g., Proust, Mann, Kafka, Sartre, and Camus.

- **ENGL 487 - Latin American Literature in Translation**

**(also listed as ML 487)**

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(4)

Critical examination of Latin American literature, with emphasis on post-independence and modern periods.

- **ENGL 489 - Colonial to Modern Mexican American Literature**

**(also listed as CHS 402)**

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(4)

Study of literary works by Hispanic, Mexican, and Mexican American authors from the colonial era to modern times.

- **ENGL 492 - Seminar in Literature and Language**

---

(4)

English 492 satisfies the upper division writing requirement for English majors Prerequisites: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR); ENGL 340; English major with senior standing. Variable content course in which each seminar studies in depth a selected topic in literature or language. May be repeated for credit as content changes. Students may enroll in multiple sections in the same term.

- **ENGL 493 - Approaches to Teaching Shakespeare's Plays**

---

(4)

Extensive analysis of Shakespeare's language and implementation of performance pedagogy; using Shakespeare's sources, textual variants, performance history, cinematic adaptations, and online materials in the secondary classroom.

- **ENGL 494 - Literary Study and the Teaching Profession: A Capstone**

## Course for Prospective English Teachers

---

(4)

Prerequisites: Satisfactory completion of the Writing Proficiency Examination (WPE); ENGL 340; English major with senior standing; field experience and concurrent enrollment in 1-unit ENGL 398 required for students seeking certification of subject area competency through the single subject teaching option. Instructional strategies for teaching forms of literature to middle and high school students. Development of teaching portfolio and assessment of interpretive and critical skills.

- **ENGL 499 - Undergraduate Directed Study**

---

(4)

Prerequisites: Consent of an instructor to act as sponsor. Project selected in conference with sponsor. Maximum of 4 units accepted toward English major or minor. May be repeated to a maximum of 20 units for credit as content changes. Graded CR/NC.

### English (Graduate)

*Classified graduate standing is required for admission to all 500 level courses*

- **ENGL 501 - Theoretical Foundations of Literary Studies**

---

(4)

Prerequisite or corequisite: ENGL 441. Introduction to the basic concepts and methods of contemporary trends in literary and critical theories.

- **ENGL 502 - Research Methods in Literary Studies**

---

(4)

Prerequisite or corequisite: ENGL 441. Advanced research methods, literary analysis, and essay writing; emphasis on practical strategies for interpreting literary texts.

- **ENGL 504 - Seminar: Theories of Composition and Rhetoric**

---

(4)

Research in the theory and pedagogy of composition and rhetoric.

- **ENGL 505 - Seminar: Language and Literacy**

---

(4)

Prerequisite: ENGL 401. Theories of language structure as they apply to contemporary usage.

- **ENGL 506 - Seminar: The Writing Process**

---

(4)

Writing and editing instructional, administrative, and professional materials. Emphasis on developing English skills needed to teach writing at secondary school or community college level or to perform as staff writer or editor.

- **ENGL 507 - Seminar: Writing Fiction**

---

(4)

Prerequisites: ENGL 407 or instructor consent. Advanced workshop in writing fiction. In-class critiques by students and instructor. May be repeated for a maximum of 12 units.

- **ENGL 508 - Seminar: Writing Poetry**

---

(4)

Prerequisites: ENGL 408 or instructor consent. Advanced workshop in writing poetry. In-class critiques by students and instructor. May be repeated for a maximum of 12 units.

- **ENGL 510 - Proseminar in Literature**

---

(4)

Prerequisite or corequisite: ENGL 501 or 502. Variable topic, discussion-based, reading course focusing on selected works from a literary period or genre. May be repeated as subject matter changes.

- **ENGL 541 - Seminar: Contemporary Critical Approaches**

---

(4)

Prerequisite: ENGL 501 or 502. Variable topic seminar focusing on selected contemporary critical approaches to study of English language and literature. May be repeated as subject matter changes.

- **ENGL 550 - Seminar: Topics in Composition, Rhetoric, and Language**

---

(4)

Prerequisite: ENGL 504 or 505. Variable topic seminar focusing on selected issues in composition, rhetoric, and language, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **ENGL 555 - Principles and Strategies in Teaching Writing**

---

(4)

Advanced study of theoretical models and pedagogical strategies for teaching writing to diverse groups of students, culminating in a reflective portfolio.

- **ENGL 560 - Seminar: British Literature**

---

(4)

Prerequisite: ENGL 501 or 502. Study of one or more major writers or of selected significant works in British literature, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **ENGL 570 - Seminar: American Literature**

---

(4)

Prerequisite: ENGL 501 or 502. Study of one or more major writers or of selected significant works in American literature, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **ENGL 580 - Seminar: World Literature**

---

(4)

Prerequisite: ENGL 501 or 502. Study of one or more major writers or of selected significant works in world literature, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **ENGL 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **ENGL 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: ENGL 501 or 502, instructor consent to act as sponsor, approval of principal graduate adviser. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 5 units with maximum of 4 units allowed in any quarter. Graded CR/NC.

- **ENGL 599 - Thesis**

---

(1–5)

Prerequisites: Advancement to candidacy, formal approval by department. Independent study resulting in a critical essay. Oral examination about master's essay required. Must be repeated to total of 5 units. Graded CR/NC.

## Engineering (Undergraduate)

- **ENGR 150 - Introduction to Higher Education for Engineers**

---

(1)

University structure, policies, and procedures, resources available, and skills necessary for success. Introduction to profession of engineering; engineering, design process; communication skills in engineering. Laboratory 3 hours. Graded CR/NC.

- **ENGR 154 - Special Topics in Engineering**

---

(1–4)

Prerequisites: Instructor consent and as needed for specific topic. Current topics of special interest to students in engineering, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

- **ENGR 207 - Materials Science and Engineering**

---

(4)

Prerequisites: CHEM 101, MATH 206. Understanding structure and fundamental atomic and molecular mechanisms of engineering materials, atom and electron movement, physical and mechanical properties; overview of engineering materials, semiconductors, metals, ceramics, polymers, and composites.

- **ENGR 230 - Design and Manufacturing in Engineering**

---

(4 units)

For non engineering majors. Integration of theory, experiments, social, and business aspects in conception, design and manufacturing of engineering marvels: from miniature chips to power plants and rockets. "Hands-on" projects, experiments and field trip.

- **ENGR 300 - Economics for Engineers**

---

(4)

Basic economic concepts, relationships between economic and engineering problems, role of interest and capital in cost minimization, analysis of financial statements, original and alternative investments, capital depreciation and replacement problems.

- **ENGR 301 - Ethics and Professionalism in Engineering**

---

(1)

Prerequisite: Senior standing in engineering. Ethical and professional standards in engineering profession; impact of engineering profession on society; professional registration and liability; government regulations and legal responsibilities.

- **ENGR 383 - Ancient and Modern Technology**

(also listed as TECH 383)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Systematic analysis of ancient technology and technological thought and its relationship to modern science and technological thought

- **ENGR 454 - Special Topics in Engineering**

---

(1–4)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced engineering subjects upon approval of instructor.

- **ENGR 497A - Engineering Senior Project**

---

(4)

Prerequisite: Satisfactory completion of the graduation writing assessment requirement (GWAR) and consent of instructor. Study of engineering design processes. ENGR 497A includes case studies to discuss the impact of design constraints. ENGR 497A is the first of a three-course sequence used to meet the capstone design requirement for the BS in Engineering degree only.

- **ENGR 497B - Engineering Senior Project**

---

(4)

Prerequisite: Satisfactory completion of ENGR 497A and consent of instructor. Study of engineering design processes. ENGR 497B includes the selection and completion of a faculty-supervised project focusing on typical problems encountered in engineering practice and resulting in a formal report and oral presentation.

- **ENGR 497C - Engineering Senior Project**

---

(4)

Prerequisite: Satisfactory completion of ENGR 497B and consent of instructor. Study of engineering design processes. ENGR 497C includes the completion of a faculty-supervised project focusing on typical problems encountered in engineering practice and resulting in a formal report and oral presentation.

- **ENGR 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted.



May be repeated for credit.

## Engineering (Graduate)

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500-level courses.*

- **ENGR 597 - Graduate Research**

---

(1–5)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Graded CR/NC.

- **ENGR 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

- **ENGR 599 - Thesis**

---

(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, school approval of the topic prior to registration. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/NC.

## Environmental Science (Graduate)

- **ENVS 511 - Seminar: Environmental Science**

(also listed as BIOL 511)

---

(1)

Attendance at regular seminar program; participation in seminar training program with course instructor presentation of a seminar. Graded CR/NC. May be repeated to a maximum of 2 units.

- **ENVS 595 - Directed Field Work**

---

(1–8)

Prerequisite: Instructor consent, agency agreement to host a part- or full-time internship for at least one but not more than three quarters, and approval of Program Director. Supervised individual field experience in an applied area of environmental science. Graded CR/NC May be

repeated to a maximum of 8 units.

- **ENVS 597 - Graduate Research**

---

(1–6)

Prerequisite: Instructor consent to act as sponsor and approval of project by student's graduate advisory committee. Independent research towards a master's degree under guidance of faculty. May be repeated to a maximum of 6 units. Graded CR/NC.

- **ENVS 598 - Graduate Directed Study**

---

(2)

Prerequisites: Instructor consent to act as sponsor and program approval. Independent, directed study of advanced topics in the field; regular conferences with the sponsor; prospectus development. May be repeated twice for credit but only 2 units count towards a M.S. degree in Environmental Science. Graded CR/NC.

- **ENVS 599 - Thesis or Project**

---

(1–8)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, program approval of topic prior to registration. Independent research resulting in thesis or sponsored internship resulting in project. May be repeated to a maximum of 8 units. Graded CR/NC

## **Finance and Law (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 300- and 400- level FIN courses.*

- **FIN 205 - Legal and Regulatory Environment of Business I**

---

(4)

Prerequisite: Sophomore standing. Introduction to the legal and regulatory environment of business, emphasizing the American legal system, contracts, sales, and related legal issues of international business. Instruction in computer-assisted legal research. Credit allowed for only one of FIN 203 and 205.

C-ID BUS 120 and BUS 125

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **FIN 303 - Business Finance**

---

---

(4)

Prerequisite: ACCT 211. Principles of planning, procuring, and controlling short and long-term financial resources of businesses; cash and capital budgeting; securities markets, costs of capital, and equity valuation.

## • **FIN 305 - Legal and Regulatory Environment of Business II**

---

(4)

Prerequisite: FIN 205. Legal and regulatory issues facing managers and accountants. Legal and regulatory issues in employment, business organizations, securities regulation, secured transactions, bankruptcy, and commercial paper.




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## Course Descriptions

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### Finance and Law (Undergraduate)

*Upper division standing is prerequisite to enrollment in 300- and 400- level FIN courses.*

- **FIN 325 - Essential Skills for Finance Professionals**

---

(4)

Prerequisites: ECON 209, FIN 303. Financial databases; statistical analyses of financial data; software applications in finance; written and oral presentation of group projects in finance.

- **FIN 331 - Financial Institutions and Markets**

---

(4)

Prerequisites: ECON 202, FIN 303. Bank risk management using an asset/liability approach; hedging tools including interest rate swaps and other derivatives; deregulation and its impact on finance industry.

- **FIN 332 - Investments**

---

(4)

Prerequisite: FIN 303. Risk and return, valuation of stocks and bonds, capital asset pricing model, stock and bond portfolio management, efficient capital markets, evaluation of investment performance, and introduction to options.

- **FIN 335 - Personal Portfolio and Risk Management**

---

(4)

Understanding and planning personal finance; managing basic personal assets including financial assets, real assets, insurance, and retirement; extensive analysis of risk management of assets, liabilities and equity in a personal portfolio context.

- **FIN 338 - Real Estate Principles**

---

(4)

Economics of land ownership and use; fundamentals of ownership, financing, appraisal, management, and transfer of residential and other real property.

- **FIN 339 - Real Estate Practice**

---

(4)

Prerequisite: FIN 338. Real estate contracts, agency and brokerage relationships, physical components of real estate, private ownership interests, documents of transfer, escrows, title insurance, recording, and professional licensing.

- **FIN 381 - Real Estate Law**

---

(4)

Prerequisites: FIN 338, four units of business law. Legal aspects of real property ownership and management; emphasis on California law affecting escrows, contracts, licensing, brokerage, co-ownership, deeds, conveyances, trust deeds, mortgages, titles, encumbrances,

estates in land, and leases.

---

- **FIN 403 - Intermediate Business Finance**

(4)

Prerequisite: FIN 303. Intermediate business financial management emphasizing intensive treatment of valuation, capital asset management, financial structure, sources of funds, and working capital management; combines theory and applications.

---

- **FIN 431 - Multinational Financial Management**

(4)

Prerequisite: FIN 303. Application of principles of managerial finance to international and multinational business; analysis of risks and problems unique to businesses involved in transnational operations; international sources and uses of funds.

---

- **FIN 432 - Real Estate Management**

(4)

Prerequisite: FIN 338. Management of real property as part of the real estate industry; nature, functions, scope of management principles, services, property care, tenant relations, and records.

---

- **FIN 434 - Cases in Financial Management**

(4)

Prerequisites: ACCT 310, FIN 303, BUS 305. Identifying and solving financial problems through the use of cases. Application of financial theory and financial techniques to business problems, using written reports and classroom discussion.

---

- **FIN 437 - Securities Analysis**

(4)

Prerequisite: FIN 332. Investment practice in analysis of financial statements; selection and valuation of stocks and fixed-income securities, stockholder-management relations, applied securities analysis.

---

- **FIN 438 - Real Estate Valuation**

(4)

Prerequisite: FIN 338. Valuation of real property; economic analysis of trends and factors influencing real estate ownership, development, and use; current appraisal theory.

---

- **FIN 439 - Real Estate Finance**

(4)

Prerequisite: FIN 338. Position of real estate finance in the economy; techniques and procedures used to finance real property, including sources of funds, lending policies, and instruments used in California today.

---

- **FIN 440 - Futures and Options**

(4)

Prerequisite: FIN 332. Market structures, trading techniques, pricing models, hedging strategies, and investment implications for various futures, option contracts, and derivative assets.

---

- **FIN 450 - Fixed Income Securities, Analysis and Strategies**

(4)

Prerequisite: FIN 332. Risk, yield and pricing of fixed income securities, Treasury, corporate, agency, tax-exempt and mortgage-backed markets; term structure, bond indexing, interest rate risk immunization; interest rate options and futures.

- **FIN 454 - Special Topics in Finance**

---

(1–4)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **FIN 493 - Real Estate Investment**

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(4)

Prerequisite: FIN 338. Principles of investing in real estate; analytic techniques and economic strategies for maximizing after-tax returns from land, residential properties, shopping centers, and other real estate.

- **FIN 494 - Financial Management for Small Business**

---

(4)

Prerequisites: ACCT 310, FIN 303. Principles and practices of financial management for small business; analytic techniques and financial strategies for financing and managing the resources of small businesses efficiently and profitably.

#### **Finance and Law (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 500-level courses*

- **FIN 500 - Business Finance and Law**

---

(4)

Law and finance for business organizations: forms of business, business law, capital markets, analysis of financial statements, securities law, security valuation, bankruptcy, and reorganization. Some sections may be technologically mediated.

- **FIN 530 - Seminar: Business Finance**

---

(4)

Prerequisite: FIN 500. Financial statements and cash flows, financial markets and net present value, risk and return, capital budgeting, capital structure, and dividend policy.

- **FIN 531 - Seminar: Financial Institutions**

---

(4)

Prerequisite: FIN 500. Role of financial institutions in U.S.; financial management of various types of financial institutions against a background of national income, national policies, and flow of funds.

- **FIN 532 - Seminar: Estate Planning**

---

(4)

Prerequisite: FIN 500. Advanced planning for individual financial management; consideration given to legal, financial, and taxation problems, including insurance, investments, trusts, real estate, wills, and related laws.

- **FIN 533 - Seminar: International Finance**

---

(4)

Prerequisite: FIN 500. Institutions, instruments, and procedures used in financing exports and imports, international investments, and multinational business operations.

- **FIN 534 - Seminar: Portfolio Management**

---

(4)

Prerequisite: FIN 500 or 303. Portfolio theory, capital market equilibrium (capital asset pricing model and arbitrage pricing theory), asset allocation, capital allocation, fixed-income securities, options and futures, passive and active portfolio management.

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- **FIN 535 - Seminar: Speculative Securities and Markets**

---

(4)

Prerequisite: FIN 500 or 303. Economics and pricing of options and futures contracts and their applications to portfolio management; how proliferation of speculative markets affects efficiency and stability of financial system.

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- **FIN 598 - Graduate Directed Study**

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(1)

Investigation of an approved project leading to written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.

### **Fire Protection Administration (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 350 - Fire Protection and the Community**

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(4)

Relationship of fire service and fire protection needs to critical urban issues, affirmative action, public education, communication with minority groups, interdepartmental and intradepartmental relations.

- **TECH 351A - Fire Defense Planning**

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(4)

Community fire defense needs, facilities, master plan development, federal assistance. Application of ISO Grading Schedule and Guide for Determining Fire Flow Requirements; impact of insurance. Field trips required.

- **TECH 351B - Fire Defense Planning**

---

(4)

Community fire defense needs, facilities, master plan development, federal assistance. Application of ISO Grading Schedule and Guide for Determining Fire Flow Requirements; impact of insurance. Field trips required.

- **TECH 352A - Fire Protection Aspects of Building Design**

---

(4)

Building construction including fire resistive materials, protective systems, testing of fire assemblies, heat and smoke detection devices, high-rise structures; plan checking. Field trips required.

- **TECH 352B - Fire Protection Aspects of Building Design**

---

(4)

Building construction including fire resistive materials, protective systems, testing of fire assemblies, heat and smoke detection devices, high-rise structures; plan checking. Field trips required.

- **TECH 353 - Fire Disaster Administration**

---

(4)

Fire disaster protection organization; disaster laws; establishment of central communications and field control centers; support groups,

manpower, and equipment; overhaul and security; disaster and civil defense relationships.

- **TECH 355 - Fire Protection Laws**

---

(4)

Authority for fire department operations; pertinent federal, state, and local laws; fire department liability, member and citizen liability; fire department trial boards.

- **TECH 451 - Fire Prevention and Building Codes: Interpretation and Enforcement**

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(4)

Prerequisite: TECH 352AB. Interpretation of building, fire prevention, and State Fire Marshal codes; review of building plans; enforcement procedures and techniques; case studies and problems in code enforcement.

- **TECH 452 - Fire Prevention Administration**

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(4)

Prerequisite: TECH 451. Organization of Fire Prevention Bureau; laws and regulations, building and fire code administration; coordination with governmental and other organizations; functions of Fire Prevention Bureau; planning and training.

- **TECH 453A - Fire Protection Systems Design**

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(4)

Theories, principles, and types of fire protection systems; design and hydraulic calculations for sprinkler systems; review of fire protection systems plans.

- **TECH 453B - Fire Protection Systems Design**

---

(4)

Theories, principles, and types of fire protection systems; design and hydraulic calculations for sprinkler systems; review of fire protection systems plans.

- **TECH 455A - Fire Protection of Structural Members and Building Components**

---

(4)

Fire protection of structural members, building components, and materials; their reaction under tension, compression, and shear during fire exposure.

- **TECH 455B - Fire Protection of Structural Members and Building Components**

---

(4)

Fire protection of structural members, building components, and materials; their reaction under tension, compression, and shear during fire exposure.

#### **Food Science and Technology (Undergraduate)**

- **FST 320 - Food Chemistry**

---

(4)

Prerequisites: NTRS 210 and CHEM 353. Explores the structure and functional properties of food components and their chemical changes during food processing and utilization.

- **FST 323 - Food Analysis**

---



(2)

Prerequisites: NTRS 210 and CHEM 353. Explores composition and analysis of food components. Basic laboratory experiments to provide understanding of the function and interactions of chemical components in food and an introduction to instrumental analysis.

## • **FST 325 - Food Microbiology**

---

(5)

Prerequisites: MICR 151. Microbial ecology of foods, important food borne pathogens and principles of use of microorganisms in fermentation.

## • **FST 327 - Principles of Food Engineering**

---

(4)

Prerequisites: PHYS 150, MATH 242. The basic principles of food engineering and unit operations with applications to food preservation.

## • **FST 332 - Food Law**

---

(3)

Prerequisites: NTRS 210 and MICR 151. An introduction to federal and state regulations that assure safety of food products in the market.

## • **FST 421 - Sensory Evaluation of Food Products**

---

(4)

Prerequisites: PSY 150. The senses and their implications in sensory evaluation of food products. Techniques used to conduct sensory evaluation of food products.

## • **FST 425 - Food Preservation Technologies**

---

(4)

Prerequisites FST 320, 325, 327. Industrial perspective of food preservation technologies, good manufacturing practices and standard operating procedures applied to canning, pasteurization, aseptic processing, smoking, irradiation, refrigeration, freezing, dehydration and concentration.

## • **FST 429 - Food Packaging**

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(4)

Prerequisite: FST 327. The basic principles of packing applied to foods. It covers the basic properties and applications of metal, glass, paper, and plastic food packaging.

## • **FST 431 - Quality Assurance of Food Products**

---

(4)

Prerequisites: NTRS 210, CHEM 353 and MATH/ECON 109. Quality assurance of food production dealing with management issues and statistical quality control.

## • **FST 444 - Food Safety Programs**

---

(3)

Prerequisites: NTRS 210 and MICR 151. Introduction to food safety issues in the food industry. Overviews of food safety programs focused on HACCP and ServSafe. It includes good manufacturing practices and pre-requisite programs in the food industry and food service facilities.

## • **FST 446 - Food Product Development**

---

(4)

Prerequisites: NTRS 210, MICR 151 and CHEM 353. This course introduced the principles of new product development and review special market segments such as nutraceuticals, functional foods, biotechnological products and ethnic foods.

### • **FST 447 - Water for Food Processing**

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(4)

Prerequisite: FST 425. Basic principles of water treatment to be used in the food processing industry. It includes physicalchemical and microbiological testing of water.

### • **FST 454 - Special Topics in Food Science**

---

(1–4)

Prerequisites: Varies with Topic. Define a problem; identify potential causes and possible solutions based on independent research in food science and technology. May be repeated to a maximum of 16 units as subject matter changes.

### • **FST 475 - Food Safety: Current Challenges and Trends**

---

(4)

Prerequisites: NTRS 210, MICR 151 and FST 444. Specific challenges of food safety in the changing food industry. Includes biosafety issues faced by globalization of food supplies, the laws and regulations governing food safety and public perception of food safety.

### • **FST 479 - Professional Interactions and Writing Skills**

(also listed as NTRS 479)

---

(4)

Prerequisites: NTRS 315 or NTRS 250; PSY 150, COMM 150. Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Role of the food scientist as an educator on the health care team, with emphasis on the development of written and oral communication skills. Lecture 3 hours, activity 2 hours. Concurrent weekly professional colloquium required.

### • **FST 495 - Field Work in Food Safety**

---

(4)

Prerequisites; 35 FST units of which at least 15 must be upper division and with School approval. Supervised field work experience utilizing professional preparation in field setting. Graded CR/NC.

## **French (Undergraduate)**

*All Upper Division courses except 461 and 471 are conducted in French.*

### • **FREN 100A - Elementary French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing French. Introduction to the customs, culture, and the institutions of the francophone people.

**GE C4**

### • **FREN 100B - Elementary French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing French. Introduction to the customs, culture, and the institutions of the francophone people.

**GE C4**

### • **FREN 100C - Elementary French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing French. Introduction to the customs, culture, and the institutions of the francophone people.

**GE C4**

• **FREN 200A - Intermediate French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. May be taken out of sequence if necessary due to scheduling. Development of intermediate communicative skills in French: oral proficiency, listening comprehension, grammar review, vocabulary building, and reading and writing skills. Study of the cultures of francophone people and countries.

**GE C4**

• **FREN 200B - Intermediate French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. May be taken out of sequence if necessary due to scheduling. Development of intermediate communicative skills in French: oral proficiency, listening comprehension, grammar review, vocabulary building, and reading and writing skills. Study of the cultures of francophone people and countries.

**GE C4**

• **FREN 200C - Intermediate French**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. May be taken out of sequence if necessary due to scheduling. Development of intermediate communicative skills in French: oral proficiency, listening comprehension, grammar review, vocabulary building, and reading and writing skills. Study of the cultures of francophone people and countries.

**GE C4**

• **FREN 299 - Intermediate Proficiency**

---

(0)

Corequisite: ML 150. An assessment of students' oral and written proficiency based on the ACTFL scale. Students must demonstrate intermediate-mid proficiency in order to register for French classes above FREN 301. Graded CR/NC.

• **FREN 300A - Advanced Grammar**

---

(4)

Prerequisite: FREN 200B. Review of all difficult French grammatical structures; focused use of these structures in compositions. This course is taught online; NIS account required.

• **FREN 300B - Introduction to Literary Analysis**

---

(4)

Corequisites: FREN 299 and FREN 300A. Development of reading strategies for French literary works; introduction to literary genres; principles of literary analysis as applied to texts by French and Francophone writers; development of writing skills.

• **FREN 301 - Contemporary Spoken French**

---

(4)

Prerequisite: FREN 200C. Development of oral skills in all registers; analysis of spoken French and its differences with standard French; study of current French usage through contemporary texts and media.

• **FREN 305 - Phonetics**

---

(4)

Prerequisites: FREN 200ABC, 201. Production of French sounds such as assimilation, liaison, vowel length, rhythm, accent, intonation, etc. Laboratory practice in pronunciation.

---

• **FREN 310A - French Culture and Institutions**

---

(4)

Prerequisite: FREN 300B. Contributions of France to western world; origin and development of its political and social institutions, as well as evolution of its literature, thought, and art.

---

• **FREN 310B - French Culture and Institutions**

---

(4)

Prerequisite: FREN 300B. Contributions of France to western world; origin and development of its political and social institutions, as well as evolution of its literature, thought, and art.

---

• **FREN 380 - Commercial French**

---

(4)

Prerequisite: FREN 300B. Intensive study of French used in business; theory and practice of fundamentals of commercial correspondence in French; translation of business English into business French.

---

• **FREN 401 - Cours de Style**

---

(4)

Prerequisite: FREN 300B. Writing and analysis of literary French.

---

• **FREN 403 - Topics in French Applied Linguistics**

---

(4)

Prerequisites: FREN 300B and ENGL 401. Topics in French linguistics: Historical linguistics; modern French morphology, syntax, and sociolinguistics; second language acquisition; contrastive analysis of French and English grammatical structures, in preparation for teaching. NIS account required.

---

• **FREN 405 - Translation**

---

(4)

Prerequisites: FREN 300B, 401. Techniques of translation processes in rendering into French and English materials ranging from official documents to technical essays and literary texts.

---

• **FREN 410 - Introduction to French Prose and Dramatic Literature I**

---

(4)

Prerequisite: FREN 300B. Development of French prose and dramatic literature from beginnings to French Revolution: cultural influences, literary landmarks, and analysis of genre and style.

---

• **FREN 411 - Introduction to French Prose and Dramatic Literature II**

---

(4)

Prerequisite: FREN 300B. Development of French prose and dramatic literature from the French Revolution to the 20th century: cultural influences, literary landmarks, and analysis of genre and style.

---

• **FREN 412 - Masters of French Poetry: Beginnings to Symbolism**

---

(4)

Prerequisite: FREN 300B. French poetic evolution as seen in the principal poets from Villon to Mallarme.

---

- **FREN 413 - Panorama de la Francophonie**

(4)

Prerequisite: FREN 300B. Survey of Francophone literature and culture, including French-language literature of Canada, Belgium, the Antilles, the Maghreb, and Central Africa.

---

- **FREN 450 - Selected Topics in French Literary Prose**

(4)

Prerequisite: FREN 410 or 411. Selected masters of French literary prose and their influence on world letters and ideas. Focus on cultural significance and literary theory. May be repeated for credit as subject matter changes.

---

- **FREN 451 - Selected Topics in French Dramatic Literature**

(4)

Prerequisite: FREN 410 or 411. Selected masters of French dramatic literature and their influence on world letters and ideas. Focus on cultural significance and aesthetic theory. May be repeated to a maximum of 8 units for credit as subject matter changes.

---

- **FREN 454 - Special Topics in French**

(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest in French as announced in Schedule of Classes. May be repeated to a maximum of 8 units for credit.

---

- **FREN 461 - Masters of French Literature in Translation**

(4)

Study of one or several French authors whose writings are of special significance today. Conducted in English. May be repeated to 8 units as subject matter changes.

---

- **FREN 471 - The French Film**

(4)

Study of great traditions and personal styles of outstanding filmmakers. Critique and literary analysis of intellectual approach in French cinema. Conducted in English.

---

- **FREN 499 - Undergraduate Directed Study**

(1–4)

Prerequisites: 3.0 grade point average in French, senior or graduate standing, adviser consent. Project selected in conference with instructor before registration; progress meetings held regularly and culminating in written reports. May be repeated to a maximum of 8 units for credit.

## **French (Graduate)**

*Classified graduate standing is required for admission to all 500 level courses.*

---

- **FREN 501 - Development of French Language**

(4)

Prerequisites: FREN 305, 401; beginning Latin strongly recommended. Scientific analysis of written and spoken French from its inception through its current use in the French-speaking world.

## • FREN 509 - Analytical and Interpretive Writing in French

---

(4)

Prerequisite: FREN 450 or 451. Original analysis and interpretation of literary or nonliterary texts as well as independent research resulting in a report; emphasis on scholarly writing skills.

## • FREN 510 - Seminar: French Culture

---

(4)

Prerequisites: FREN 310AB. In-depth study of specific cultural developments including historical events and social, intellectual, and artistic movements in Francophone societies; includes lectures and student research projects.

## • FREN 535 - Seminar: French Literary Prose since World War II

---

(4)

Prerequisite: FREN 411. Studies in outstanding French prose writing and literary movements since World War II.

## • FREN 575 - Seminar: French Literature

---

(4)

Prerequisite: Undergraduate course(s) relevant to topic being studied. Intensive study of significant works of particular period, genre, or literary tendency from Middle Ages to present. May be repeated, as subject matter changes, to maximum of 12 units.

## • FREN 596 - Comprehensive Examination

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

## • FREN 598 - Graduate Directed Study

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 8 units for credit.

### Geography (Undergraduate)

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Unless otherwise stated, the prerequisite for all 400-level GEOG courses is GEOG 160 or 370.*

## • GEOG 155 - Cultural Geography

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(4)

Studies of the sociocultural characteristics of contemporary societies within their manifested spatial structure. Focuses on similarities and differences of various cultures with respect to racial, ethnic, religious, linguistic, demographic, and organizational characteristics.

GE D ; Approved diversity course

## • GEOG 160 - Physical Geography

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(4)

Introduction to principles and processes affecting the nature and dynamical interactions of the physical world and its inhabitants. Emphasizes the atmosphere, hydrosphere, soils, and vegetation and their spatial relationships.

GE B3

## • GEOG 170 - Meteorology

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(4)

Course surveys the major atmospheric processes, with emphasis on weather phenomenon, severe storms, droughts, and flood producing events. Use of weather charts and satellite imagery in forecasting examined. Lecture 3 hours, Laboratory 3 hours. Some sections of the lecture may be taught online.

**GE B2**

• **GEOG 268 - Introduction to Geospatial Sciences**

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(4)

Prerequisite: GEOG 282. An introduction to location reference systems, geographic data products, geospatial technologies, and their applications in locational analysis and spatial modeling.

• **GEOG 282 - Spatial Measurement and Elementary Statistics**

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(4)

Prerequisites: GEOG 155, 160, MATH 091. Univariate descriptive statistics, geographic measurements and spatial descriptive statistics. Parametric inferential statistics: estimation and hypothesis testing. Introduction to bivariate statistics: simple correlation and simple regression. Emphasis on using spatial data.

• **GEOG 309 - Urban Environmental Pollution**

**(also listed as HS 309)**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Investigates the major sources and effects of land, water and air pollutants in cities of developed and developing countries. Best management practices and control methods will also be discussed.

**GE Theme D**

• **GEOG 310 - Urban Climatology**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. The course investigates urbanization effects on the immediate atmospheric environment. Students evaluate these effects through direct measurements and data analyses. Topics include architecture, urban planning and pollution.

**GE Theme D**

• **GEOG 312 - Global Climate Change and the Developing World**

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**(also listed as GEOL 312)**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Investigates the causes and impacts of global climate change on developing countries, as well as mitigation schemes. Students explore current climate change and its impact on the poor, and they gather evidence from the past and formulate scenarios of the future.

**GE Theme A**

• **GEOG 333 - Environment and Development in the Third World**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. The physical environments of the Third World and associated problems of development.

**GE Theme A**

• **GEOG 340 - Environmental Geography I**

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(4)

Prerequisite GEOG 155 and one of the following: GEOG 160, GEOL 150, and GEOL 155. This course will focus on the complex nature of environmental geography and how social, political, cultural, and economic forces have come to shape our interaction with and

understanding of the environment.

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## Course Descriptions

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### Geography (Undergraduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Unless otherwise stated, the prerequisite for all 400-level GEOG courses is GEOG 160 or 370.

#### • **GEOG 369 - Fundamentals of Geographic Information Systems**

---

(4)

This course introduces students to the elements and capabilities of a functioning GIS for solving spatial problems.

#### • **GEOG 370 - World Regions**

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(4)

Major physical regions of world and their occupational development by humans.

#### • **GEOG 376 - Urban Spatial Process and Patterns**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course in Block D. Critical examination of the spatial processes of urbanization and characteristics of cities.

**GE Theme D**

#### • **GEOG 395 - Geographic Methodology**

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(4)

Prerequisite: GEOG 282. Survey of methodology in geographic research. The nature of scientific research; the scientific method; research design; geographic measurements and data acquisitions; techniques of analysis; legal and ethical issues of research.

#### • **GEOG 402 - Geomorphology**

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(4)

Prerequisites: GEOG 268. Identification and interpretation of landforms. Local field trip.

#### • **GEOG 403 - Environment and Food Customs** (also listed as NTRS 403)

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(4)

This course will examine the geographical distribution of various food cultures as well as the connections between those food cultures and the physical environment in which they have developed.

#### • **GEOG 407 - Biogeography**

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(4)

Prerequisites: GEOG 160 and completion of GE Block B. Distributions and dynamics of individual plant and animal taxa and the communities and ecosystems in which they occur, in relation to natural and anthropogenic processes at different scales.

- **GEOG 410 - Applied Climatology**

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(4)

Emphasizes effects of climate on physical, biological, and cultural environments; climatic change and variability and how society can cope most effectively with change.

- **GEOG 415 - Perspectives on Environment**

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(4)

Environmental interactions in subsistence and urban-industrial societies; impact of human activities on environment: modification of vegetation, hydrology, and landforms, accelerated soil erosion, climatic change; environmental perception; awareness of and adjustment to natural hazards.

- **GEOG 421 - United States**

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(4)

Identification, interpretation, and synthesis of regional phenomena within the U.S. characterizing its physical and cultural landscape.

- **GEOG 427 - Mexico and Central America**

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(4)

Nature of the land and characteristics of human settlement features in Mexico and Central America.

- **GEOG 428 - South America**

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(4)

Character of physical and cultural environment in countries of South America.

- **GEOG 430 - China**

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(4)

Physical and economic regional geography of China and its inner-Asian frontiers, including study of its demography, industrial and agricultural development, transportation, and energy infrastructure.

- **GEOG 431 - California**

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(4)

Physical environments of California and human settlement features, past and present.

- **GEOG 432 - Metropolitan Los Angeles**

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(4)

Investigation of the physical and cultural geographic characteristics that have contributed to Los Angeles' dynamic urban growth and its dominance as the primate city within the region.

- **GEOG 440 - Environmental Geography II — Sustainable Urban Development**

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(4)

Prerequisite GEOG 340. This course will focus on current theories and practices in sustainable urban development.

- **GEOG 442 - Population Geography**

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(4)

Prerequisite: GEOG 155. Spatial analysis of demographic variables with emphasis on environment, social, and economic factors influencing population distribution and mobility; population growth in relation to resource utilization.

- **GEOG 446 - U.S. Ethnic Communities**

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(4)

Spatial structure and organization of selected ethnic communities in the U.S. and their interrelationships with American composite cultural environment.

- **GEOG 448 - Medical Geography**

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(4)

Prerequisites: GEOG 155, and completion of GE Block B. Landscape epidemiology; health related to developmental changes, biometeorology, and pollution; geographies of diseases in developed areas; disease diffusion; health care delivery systems worldwide; distribution, accessibility, and utilization of health care.

- **GEOG 451 - Historical Geography of North America**

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(4)

Prerequisite: GEOG 155. Development of North America from earliest European contact through the present, emphasizing spatial process and patterns.

- **GEOG 453 - Locational Analysis**

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(4)

Prerequisite: GEOG 155. Location and spatial distribution of economic activities: development and applicability of various locational models in geography; agricultural, industrial, central place, intracity, social gravity, and spatial interaction models.

- **GEOG 457 - Transportation Geography**

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(4)

Prerequisite: GEOG 155. Modes of movement of people, products, and ideas; their impacts on spatial patterns and landscapes.

- **GEOG 458 - Urban Transportation**

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(4)

Prerequisite GEOG 282 or a course in statistics. This course will focus on critical issues in urban transportation, including land use and transportation interaction, urban form and commuting patterns, transit planning, and sustainable urban transportation.

- **GEOG 463 - Geographic Information Systems (GIS) Applications in Urban Planning**

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(4)

Prerequisite GEOG 369. Focuses on the application of Geographic Information Systems in urban planning and decision making.

- **GEOG 464 - Geographic Information Systems (GIS) Applications in Political Science  
(also listed as POLS 464)**

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(4)

Prerequisites: GEOG 282, POLS 281, or consent of instructor. Focuses on the application of Geographic Information Systems in politics and policy to see the effects of public decisions in areas such as political behavior, redistricting, and service delivery.

- **GEOG 465 - Geographic Information Systems (GIS) Applications in Environmental Studies**

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(4)

Prerequisite: GEOG 369. This course focuses on the applications of Geographic Information Systems in environmental studies and resource management. Students will be introduced to spatial analysis and GIS modeling in these areas.

- **GEOG 466 - Remote Sensing**

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(4)

Prerequisite: GEOG 268. Analysis of natural and cultural features of earth's environment using photographic, infrared, satellite and microwave imagery. Lecture 3 hours, laboratory 2 hours.

- **GEOG 468 - Digital Cartography**

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(4)

Prerequisites: GEOG 268 and GEOG 369. This course provides hands-on training in GIS data creation, map design, and web map authoring.

- **GEOG 469 - Spatial Analysis and GIS Modeling**

---

(4)

Prerequisites: GEOG 468, 482. Analytical and modeling functions of geographic information systems, including buffer zone and overlay analysis, network analysis, terrain and hydrological modeling, and cost surface analysis. Lecture 3 hours, laboratory 2 hours.

- **GEOG 476 - Urban Geography**

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(4)

Prerequisite: GEOG 155. In-depth spatial analysis of urban systems and internal structure of cities, and analytical investigation of functions and forms of representative urban areas.

- **GEOG 478 - Middle Eastern Cities**

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(4)

Prerequisite: GEOG 155. This course analyzes the historical evolution of Middle Eastern cities, as manifested in their spatial structure, architecture, urban morphology and social geography.

- **GEOG 482 - Multivariate Statistics in Geography**

---

(4)

Prerequisites: GEOG 268, 282. Nonparametric statistics, parametric statistical inference: two-sample tests, analysis of variance (ANOVA), multiple regression, principal components and factor analysis, and discriminant analysis. Emphasis on using spatial data. Lecture 3 hours, laboratory 2 hours.

- **GEOG 485 - Field Geography**

---

(5)

Prerequisite: GEOG 268. Field identification and interpretation of natural and man-made features, and methods used therein. Lecture 2 hours, field work 6 hours. May be repeated once for credit if one enrollment is in program at off-campus field center.

- **GEOG 495 - Senior Thesis**

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(4)

Prerequisites: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR) and senior standing. Advanced principles of geographic writing and research culminating in a senior thesis.

- **GEOG 496 - Special Topics**

---

(1–4)

Prerequisites: As needed for specific topic. May be taken concurrently with GEOG 497. Specialized systematic and regional topics in geography as announced in Schedule of Classes. Lecture 1–4 hours. May be repeated as subject matter changes.

- **GEOG 497 - Special Topics**

---

(1–4)

Prerequisites: As needed for specific topic. May be taken concurrently with GEOG 496. Special topics of interest to students in geography as announced in Schedule of Classes. Activity 2–8 hours. May be repeated for credit as subject matter changes.

- **GEOG 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Instructor consent to act as sponsor; ability to do independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 8 units as subject matter changes.

### **Geography (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission for all 500-level courses.*

- **GEOG 510 - Seminar: Physical Geography**

---

(4)

Prerequisite: Instructor consent. Seminar on geography of the natural environment. Subjects offered include air pollution, biogeography, climatology/meteorology, environmental studies, geomorphology, and research advancements in physical geography. May be repeated as subject matter changes.

- **GEOG 520 - Seminar: Regional Geography**

---

(4)

Prerequisite: Instructor consent. Geography of selected regions of the world. Regions offered include California, Canada, Central America, China, Europe, Los Angeles, Middle East, South America, South Asia, and Southeast Asia. May be repeated as subject matter changes.

- **GEOG 530 - Seminar: Urban Social Systems**  
(also listed as SOC 530)

---

(4)

Prerequisite: Instructor consent. Growth and nature of urban social systems in selected cities and metropolitan areas; theories of urban structure and problems; improving quality of urban life; comparisons of cities in various countries.

- **GEOG 540 - Seminar: Human Geography**

---

(4)

Prerequisite: Instructor consent. Seminar on geography of human activities. Subjects offered include cultural, economic, historical, medical,

population, resource, settlement, transportation, and urban geography, as well as ethnic studies, regional analysis, and migration studies. May be repeated as subject matter changes.

- **GEOG 560 - Seminar: Methods and Techniques in Geography**

---

(4)

Prerequisite: Instructor consent. Seminar on geographic methods and techniques. Subjects offered include geographic information systems/science (GIS), remote sensing, mathematical modeling, qualitative research methods, locational analysis, and spatial statistics. May be repeated as subject matter changes.

- **GEOG 595 - Seminar: Geographic Thought**

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(4)

Prerequisite: Instructor consent. History, objectives, and methodological and philosophical approaches of geography.

- **GEOG 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **GEOG 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor. May be repeated to a maximum of 12 units for credit.

- **GEOG 599 - Thesis**

---

(1–6)

Prerequisites: Advancement to candidacy, approval of department, completion of course work in master's program, completion of foreign language or upper division statistical or computer skill requirement. May be repeated to maximum of 9 units. Graded CR/NC.

### **Geological Sciences (Undergraduate)**

*All 400-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 400, 401, 402, 410, 430, 460AB, 497, 499*

- **GEOL 150 - Earth Revealed +**

---

(4)

Introductory Geology: Origin and nature of earthquakes, volcanoes, plate tectonics, the seafloor, deserts, mountains, and beaches. Select either classroom or field trip laboratory. Lecture 3 hours, Laboratory 3 Hours. +There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

\*C-ID GEOL 101

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE B2**

- **GEOL 155 - Oceanography +**

---

(4)

Introductory Oceanography: Origin of oceans; sea floor features; ocean sediments, life, and circulation; seawater properties; and coastal

processes. Laboratory: One-day ocean cruise and one-day coastal trip. Lecture 3 hours, Laboratory 3 hours. +There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

## GE B2

### • **GEOL 158 - Natural Disasters**

---

(4)

Causes, characteristics, and case histories of natural disasters affecting civilization. Topics include earthquakes, volcanic eruptions, landslides, storms and floods, sea waves, meteor impacts, climate change, and mass extinctions. Lecture 4 hours

\*C-ID GEOL 130

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## GE B3

### • **GEOL 160 - Geology Field Experience**

---

(2)

Prerequisite: GEOL 150. Field trip-based course designed to introduce students to the many facets of California geology, including faults, volcanoes, earthquakes, mountain building and tectonics. Job and research opportunities will also be presented. Lecture 1 hour, laboratory 3 hours.

### • **GEOL 201 - Elementary Mineralogy**

---

(4)

Prerequisites: CHEM 101, MATH 104A Nature of crystalline state, crystal chemistry and physical properties of silicate and non-silicate minerals, crystal projections and elementary crystallography. Lecture 2 hours, laboratory 6 hours.

### • **GEOL 203 - Introductory Petrology**

---

(2)

Prerequisite: GEOL 201. Elementary methods of rock and rock-forming mineral description, identification, and interpretation involving igneous, sedimentary and metamorphic rocks. Lecture 1 hour, laboratory 3 hours.

### • **GEOL 220 - Environmental Geoscience**

---

(4)

Prerequisite: GEOL 150. Current environmental issues concerning natural resources, water and soil use, energy resources, alternative energy, air and water pollution. Environmental laws, reclamation, and the human impact on global climate change. Lecture 4 hours.

### • **GEOL 220 - Environmental Geoscience**

---

(4)

Prerequisite: GEOL 150. Current environmental issues concerning natural resources, water and soil use, energy resources, alternative energy, air and water pollution. Environmental laws, reclamation, and the human impact on global climate change. Lecture 4 hours.

### • **GEOL 252 - Historical Geology**

---

(4)

Prerequisites: GEOL 150, 155, or 158. Plate tectonic evolution of continents, oceans, and mountain systems and geologic history of Earth; introduction to stratigraphy and development of ancient life. Lecture 2 hours, laboratory 6 hours.

\*C-ID GEOL 111

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **GEOL 301 - Mineralogy and Petrology**

---

(4)

Prerequisites: CHEM 101, MATH 104A, GEOL 150. Nature of crystalline material, crystal formation, mineral groups, physical properties and identification, crystallography, crystal symmetry, association of minerals with igneous, sedimentary and metamorphic environments, introduction to rock classification and identification. Lecture 2 hours, laboratory 6 hours.

- **GEOL 312 - Global Climate Change and the Developing World  
(also listed as GEOG 312)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Investigates the causes and impacts of global climate change on developing countries, as well as mitigation schemes. Students explore current climate change and its impact on the poor, and they gather evidence from the past and formulate scenarios of the future.

**GE Theme A**

- **GEOL 321 - Geology of Southern California**

---

(4)

Prerequisite: GEOL 150. Geologic provinces of southern California including geologic history, structure, rock types, and landforms. Field laboratory on weekends. Lecture 3 hours, laboratory 3 hours.

- **GEOL 351 - Environmental Geology of Developing Nations**

---

(4)

Prerequisites: Completion of Basic subjects (Block A) and one course from Block B. Geologic hazards and natural resources of developing nations. Topics include impact and mitigation of natural disasters and the role of natural resources in advancement of the human condition. Lecture 4 hours.

**GE Theme A**

- **GEOL 357 - Urban Geology**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Geologic conditions and processes (earthquakes, volcanoes, floods, landslides, coastal processes, etc.) as they affect urbanized areas around the world. Urban governmental planning and regulation for mitigation of geologic problems. Lecture 4 hours.

**GE Theme D**

- **GEOL 360 - Geological Mapping**

---

(4)

Prerequisite: GEOL 252. Prerequisites or corequisite: GEOL 301. Geological field methods; geological mapping on topographic base map; cross-sections from field data; geological interpretation and report writing. Lecture 2 hours; laboratory and field activities 6 hours.

- **GEOL 370 - Geochemistry**

---

(4)

Prerequisites: GEOL 201. Prerequisite or corequisite: MATH 206. Application of chemical and mathematical principles to studies of earth systems including major and trace element distribution in rocks; isotopic tracers; radiometric dating; aqueous, organic, and environmental chemistry. Lecture 3 hours, laboratory 3 hours.



- **GEOL 372 - Computers in Geology**

---

(4)

Prerequisite: MATH 104B. Workstation operating system, electronic mail, applied word processing, spreadsheet tables and graphs, descriptive and inferential statistics including Chi Square analysis, tools and resources of the Internet, and computer-aided illustration. Lecture 2 hours, laboratory 6 hours.

- **GEOL 398 - Geology Cooperative Education**

---

(4)

Prerequisites: Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC. For more information see Cooperative Education

- **GEOL 400 - Optical Mineralogy**

---

(4)

Prerequisite: GEOL 201. Optical properties of crystals in polarized light and determination of minerals in thin sections with the petrographic microscope. Lecture 2 hours, laboratory 6 hours.

- **GEOL 401 - Igneous and Metamorphic Petrology**

---

(5)

Prerequisites: GEOL 360, 370, 400. Origin, occurrence, and characterization of igneous rocks and metamorphic rocks; their mineralogy, petrology, geochemistry, and plate tectonic setting. Lecture 3 hours, laboratory 6 hours.

- **GEOL 402 - Sedimentary Petrology**

---

(4)

Prerequisites: GEOL 370, 410. Analysis of sediments and sedimentary rocks involving their description, classification, and origin. Principles of sedimentation, recognition of environments of deposition. Lecture 2 hours, laboratory and field trips 6 hours.

- **GEOL 410 - Structural Geology**

---

(4)

Prerequisites: GEOL 360, MATH 206. Prerequisite or corequisite: PHYS 101. Theory of rock deformation, structural features of sedimentary, igneous, and metamorphic rocks; deformation of the Earth's crust, applied practice in laboratory methods dealing with geologic problems in three dimensions. Lecture 2 hours, laboratory 6 hours.

- **GEOL 411 - Geotectonic Development of California**

---

(4)

Prerequisites: GEOL 410, 430, Tectonic development of California in chronological order from Proterozoic to modern time. Topics include Proterozoic rifting, Antler, Sonoman, Nevadan, Sevier, and Laramide Orogenies, and tectonic origin of present day features.

- **GEOL 422 - Environmental & Forensic Geochemistry**

---

(4)

Prerequisite: GEOL 370. Use of geochemical tracers to investigate environmental problems; identifying sources of pollution; fate and transport of inorganic and organic contaminants via statistical and isotopic tracers; age-dating environmental release.

- **GEOL 424 - Low Temperature Geochemistry**

---

(4)

Prerequisite: GEOL 370, CHEM 103. Low Temperature minerals and their formation; diagenetic reactions; role of fluids in mineral paragenesis; fate and transport of inorganic and organic chemicals in the environment.

- **GEOL 426 - Astrogeology**

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(4)

Prerequisite: GEOL 401. Terrestrial planets; meteorites, the moon, asteroids, comets; remote sensing of the Giant Planets; origin of the solar system.

- **GEOL 430 - Stratigraphy and Sedimentology**

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(4)

Prerequisite: GEOL 402. Examination of modern depositional environments. Reconstruction of ancient depositional environments through application of structural, petrologic, stratigraphic, and paleontologic principles; report writing and field note taking; analysis of stratigraphic sections. Lecture 2 hours, laboratory and field activities 6 hours.

- **GEOL 433 - Quaternary Geology**

---

(4)

Prerequisite: GEOL 252. History of the Earth during and since Ice Ages; causes, mechanisms, and global, physical and biological effects of glaciation.

- **GEOL 434 - Volcanology**

---

(4)

Prerequisites: GEOL 360, 370. Tectonic setting; petrogenesis; interpretation of volcanic rocks.

- **GEOL 435 - Coastal Processes and Environments**

---

(4)

Prerequisite: GEOL 252 or consent of instructor. Interpretation and identification of the origin of coastal features and environments through analysis of fluvial, wave, tidal, sea level, tectonic, and urbanization processes. Lecture 3 hours and field activities 3 hours.

- **GEOL 460A - Summer Field Geology**

---

(5)

Prerequisites: GEOL 401, 410, 430. Corequisite: GEOL 460B. First seven weeks of quarter: five weeks in a field camp, off campus, investigating area of sedimentary, metamorphic, and igneous rocks and geologic structure; sixth and seventh weeks on campus preparing maps and reports.

- **GEOL 460B - Report for Field Geology**

---

(3)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Corequisite: GEOL 460A. Preparation of geologic map, cross sections and report about entire area covered by class in GEOL 460A.

- **GEOL 481 - Engineering Geology**

---

(4)

Prerequisite: GEOL 460AB. Analysis of geologic factors affecting engineering projects; includes mechanical properties of rocks and soils,

landslides, slope stability, subsidence, groundwater, erosion and silting, and earthquake effects.

- **GEOL 482 - Engineering Geology Laboratory**

---

(1)

Prerequisite or corequisite: GEOL 481. Methods of laboratory soil testing used in engineering geology, including compaction, grain size, shear strength, expansion, and Atterberg Limits tests. Laboratory 3 hours.

- **GEOL 483 - Photogeology**

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(4)

Prerequisite: GEOL 360. Use of aerial photographs to interpret geological structures and lithologies shown on topographic maps; analysis of photos for engineering projects. Lecture 3 hours, laboratory 3 hours.

- **GEOL 484 - Hydrogeology**

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(4)

Prerequisite: MATH 207. Occurrence, movement, quality of surface water and groundwater emphasizing geologic factors. Lecture 3 hours, laboratory 3 hours.

- **GEOL 485 - Groundwater Management and Models**

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(4)

Prerequisite: GEOL 484. Mathematical models as tools of groundwater management; case histories of various levels of groundwater management; laboratory includes verification and prediction using finite difference models on computer systems. Lecture 3 hours, laboratory 3 hours including one field trip.

- **GEOL 487 - Watershed Analysis**

---

(4)

Prerequisite: GEOL 484 or instructor's consent. Includes basic surface hydrology, surface-groundwater interactions, hyporheic zone processes, wetlands for water treatment, agricultural and urban runoff, and urban corridor stream restoration. Lecture 3 hours, laboratory and field activities 3 hours.

- **GEOL 490 - Special Topics in Geology**

---

(1–4)

Prerequisites: As needed for a specific topic. Current topics of special interest in advanced geology and related fields as announced in Schedule of Classes. May be repeated to a maximum of 16 units as subject matter changes.

- **GEOL 491 - Special Laboratory Topics in Geology**

---

(1–3)

Prerequisite: As needed for specific topics. Laboratory activities for current topics of special interest in geology as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

- **GEOL 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Consent of an instructor to act as sponsor, ability to assume responsibility for independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to a maximum of 4 units.

## **Geological Sciences (Graduate)**

All 400-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 400, 401, 402, 403, 410, 430, 460AB, 497, 499.

Classified graduate standing is required for admission to all 500-level courses.

### **• GEOL 525 - Sedimentary Processes, Environments, and Structures**

---

(4.5)

Prerequisites: GEOL 402, 430. Identification and analysis of sedimentary structures and hydrodynamically generated bedforms to determine sedimentary processes and environments of deposition.

### **• GEOL 530 - Seminar: Structural Geology and Tectonics**

---

(4.5)

Prerequisite: GEOL 410 or upper division structural geology course. Critical review of selected topics concerning analysis, interpretation, and origin of geologic structures, mechanics of rock deformation and of large scale crustal deformation.

### **• GEOL 531 - Tectonic Problems of Southern California**

---

(4.5)

Prerequisite: GEOL 410 or upper division structural geology course. Current topics in the geotectonic evolution of southern California.

### **• GEOL 560 - Hydrogeology**

---

(4.5)

Prerequisite: GEOL 484. Advanced study of groundwater topics including aquifer testing, regional groundwater flow, water chemistry mass transport, and groundwater models. Lecture 3.5 hours, laboratory 3.0 hours.

### **• GEOL 561 - Vadose Zone Hydrogeology**

---

(4.5)

Prerequisite: GEOL 484. Study of water movement and solute transport in the vadose (unsaturated) zone; including soil physics; infiltration theory; solute movement, noninteracting and interacting solutes; physical measurements; and field instrumentation. Lecture 3.5 hours, laboratory 3.0 hours.

### **• GEOL 562 - Contaminant Hydrogeology**

---

(4.5)

Prerequisite: GEOL 484. Mass transport of contaminants in groundwater, principles of groundwater hydrology applied to organic and inorganic chemical migration, monitoring groundwater contamination, geochemical tracers of groundwater contamination, and groundwater remediation.

### **• GEOL 563 - Water Quality Seminar**

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(4.5)

Prerequisite: GEOL 484 or instructor's consent. Contemporary issues in water quality, including contaminant transport, pollutants in surface and ground water, natural attenuation, engineered bioremediation, monitoring wells, soil sampling procedures, and vadose zone monitoring. Seminar 4.5 hours.

### **• GEOL 570 - Special Topics**

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(1.0–4.5)

Prerequisite: Instructor consent. Discussion of selected topics in geology. May include up to 2 units of laboratory. May be repeated for credit as subject matter changes.

- **GEOL 581 - Seminar: Engineering Geology**

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(4.5)

Prerequisite: GEOL 481 or senior engineering geology course. Advanced study relating geologic factors to engineering projects, with emphasis on slope stability, subsidence, engineering seismology, and construction problems related to engineering geology.

- **GEOL 584 - Paleoseismology**

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(4.5)

Prerequisites: GEOL 481. Recognition of paleoseismic events in the geologic record, Quaternary slip-rates and coseismic deformation, modeling fault-scarp degradation, behavior of seismogenic faults, and seismic-hazard analysis.

- **GEOL 585 - Landslides, Avalanches, and Debris Flows**

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(4.5)

Prerequisite: GEOL 481. Recognition, mechanics, and analysis of mass wasting features including landslides, rock avalanches, debris flows, rock falls, and lateral flows. Field mapping and computer stability analysis activities. Lecture 3.5 hours, laboratory 3.0 hours.

- **GEOL 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **GEOL 597 - Graduate Research**

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(1.5–4.5)

Prerequisites: Instructor consent to act as sponsor, approval of project by student's graduate advisory committee. Independent research under guidance of faculty. Graded CR/NC.

## Course Descriptions

### Geological Sciences (Graduate)

All 400-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 400, 401, 402, 403, 410, 430, 460AB, 497, 499.

Classified graduate standing is required for admission to all 500-level courses.

#### • **GEOL 598 - Graduate Directed Study**

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(1.5–4.5)

Prerequisite: Instructor consent to act as sponsor. Directed research on subjects selected in consultation with faculty. May be repeated to maximum of 6 units.

#### • **GEOL 599 - Thesis**

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(1.5–4.5)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor. Presentation of independent research work in a written thesis, which is defended orally. Graded CR/NC.

### German (Undergraduate)

#### • **GERM 100A - Elementary German**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing German. Introduction to the customs, culture, and institutions of the German people.

**GE C4**

#### • **GERM 100B - Elementary German**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing German. Introduction to the customs, culture, and institutions of the German people.

**GE C4**

#### • **GERM 100C - Elementary German**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing German. Introduction to the customs, culture, and institutions of the German people.

**GE C4**

## Graphics Communication (Undergraduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

- **TECH 130 - Introduction to Graphic Communications**  
(also listed as JOUR 130)

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(3)

General technology course emphasizing the importance of graphic communications in our culture. History, theory, and laboratory application of varied graphic communications processes. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 231 - Imposition and Electronic Image Assembly**

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(3)

Prerequisite: TECH 130 or consent of instructor based upon previous training experience. Applications of principles of imposition with emphasis on electronic image assembly techniques. This course requires service learning. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 232 - Electronic Prepress Systems**

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(3)

Prerequisite: TECH 130 or consent of instructor based upon previous experience. Theory and application of electronic prepress systems to solve problems of digital image generation of image carriers for production printing. This course requires service learning. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 233 - Presswork Procedures**

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(3)

Prerequisite: TECH 130 or consent of instructor based upon previous experience. Principles and procedures and practices of graphic reproduction utilizing ink and press technology with emphasis on the photo offset lithographic process. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 234 - Photo Offset Lithography**

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(3)

Prerequisite: TECH 130 or consent of instructor based upon previous experience. Lithographic theory and its reproduction, image conversion, preparation of image carriers, image transfer, quality control, chemistry of lithography, printing inks and paper. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 330 - Graphic Communications Processes and Materials**

---

(3)

Prerequisite: Junior standing in Graphic Communications, Production Technology, or consent of instructor based upon previous experience. Examination, application, and control of processes used in the graphic communications industry including prepress, press, postpress operations, major printing processes, electronic publishing, and new media production. Nature and control of materials used in graphic communications reproduction processes with emphasis on ink on paper relationships. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 332 - Typography**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Intensive study and application of typographic principles with emphasis on their use in a production printing environment. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 333 - Presswork Procedures**

---

(3)

Prerequisite: TECH 130. Letterpress principles and procedures on platen and cylinder presses, make-ready, inks, automatic feeders. Lecture 1 ½ hours, laboratory 4 ½ hours.

- **TECH 430 - Computer Aided Graphic Communications Management**

---

(3)

Prerequisite: TECH 330 or consent of instructor. Concept, theory, and procedures of applications of computers to the solution of printing job planning, job tracking, data collection, purchase orders, inventory, production scheduling, system utilities, digital file preparation, and file maintenance with emphasis on problems found in the current graphic communications industry. This course requires service learning and cooperative learning. Lecture 1 1/2 hours, laboratory 4 ½ hours.

- **TECH 432 - Typographical Layout And Design**

---

(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Principles of design applied to graphic communication; selection of type, printing substrates and processes for reproduction; use of layouts and dummies to solve problems of graphic communications production. This course requires service learning. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 433A - Printing Estimating**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Elements of estimating all classes of printing and photo offset lithography including prepress operations, presswork, bindery, paper, and cost-finding problems.

- **TECH 433B - Computer Aided Printing Estimating and Job Costing**

---

(3)

Prerequisite: TECH 433A or consent of instructor based upon previous experience. Applications of computers to the solution of estimating problems discussed in TECH 433A with emphasis on problems found in the contemporary printing industry. Theory and application of principles for determining actual costs of specific operation to verify validity of estimates. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 434A - Graphic Communications Production Management I**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Organization and management of the graphic communications production, planning procedures and application of industrial management strategies.

- **TECH 434B - Graphic Communications Production Management II**

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(3)

Prerequisite: TECH 434A or consent of instructor based upon previous experience. Application of graphic communications and management principles, strategies, and procedures in the operation of all levels of a simulated printing company. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 435 - Color Theory, Reproduction, and Management**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Color theory and its application to solving problems in the printing industry; emphasis on examination and evaluation of processes, proofing, reproduction, management, and quality control. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 436 - Electronic Publishing Technology and Management**

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(3)



Prerequisite: TECH 330 or consent of instructor based upon previous experience. Theory and application of publishing systems; emphasis on information integration, system configuration, management, and producing digital output. This course requires Service Learning and Cooperative Learning. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 437 - Alternative Media Production**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Theory of media development processes; emphasis on multimedia production and management. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 438 - Image Capture, Processing, and Management**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Theory and procedures of digital image capture, processing and management; emphasis on total capture technology, image integration and producing open image files. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 439 - Digital Workflow Management**

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(3)

Prerequisite: TECH 330 or consent of instructor based upon previous experience. Concept, theory, and procedures of digital workflow planning and management; emphasis on open digital file formats and pre-flighting. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

#### Health and Human Services (Undergraduate)

- **HHS 101 - Introduction to Higher Education: Living an Examined Life**

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(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded ABC/NC

**Freshman IHE and Block E**

- **HHS 154L - PSelected Topics in Health and Human Services**

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(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest to students in health and human services. May be repeated to a maximum of 12 units as subject matter changes.

- **HHS 154P - Selected Topics in Health and Human Services**

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(1-4)

Prerequisite: As needed for specific topic. Current topics of special interest to students in health and human services. May be repeated to a maximum of 12 units as subject matter changes.

- **HHS 301 - Transition to Cal State L.A. for Health and Human Services Majors**

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Exploration of skills and resources that will help the transfer student attain degree objectives. Meets university requirements for an introduction to higher education course for transfer students. Graded ABC/NC. NIS Account required.

- **HHS 310 - Historical and Social Context of Disability**

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(4)

Prerequisites: PSY 150, PSY 160, SOC 201. Exploring the scope of disability from historical and social contexts to establish a framework from

which to understand perspectives of disabling conditions and delivery systems of support services.

- **HHS 311 - Clinical and Community Services for Individuals with Neurodevelopmental Disabilities**

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(4)

Prerequisites: Completion of the Required Core and Foundations of Program Delivery, Management and Advocacy courses for the Minor in Developmental Disabilities, or consent of instructor, submission of Certificate of Clearance to course instructor, submission of paid Student Liability verification to course instructor, current TB Test verification (if required). Exposure to professionals and careers in maternal child health and neurodevelopmental disabilities. Issues and trends in health care, education, disability and related services for those with neurodevelopmental and related disabilities.

- **HHS 312 - Internship in Developmental Disabilities**

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(4)

Prerequisites: Completion of the Required Core and Foundations of Program Delivery, Management and Advocacy courses for the Minor in Developmental Disabilities, HHS 311 or consent of instructor, submission of Certificate of Clearance to course instructor, agency/organization acceptance, submission of paid Student Liability verification to course instructor, current TB Test verification (if required by placement site). Supervised experience utilizing professional preparation in a field setting. Graded CR/NC. If students receive a "NC" they may repeat the entire course only once.

- **HHS 357 - Victimology in Child Abuse and Family Violence  
(also listed as COMD 357)**

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(4)

Prerequisite: Upper division standing. This course examines victimization's relationship to crime, with emphasis on child abuse and family violence. It will explore issues in the victim's rights movement and types of victimization. Special attention will be given to interventions and preventing secondary trauma.

- **HHS 395 - Community Service in Health and Human Services**

---

(1-4)

Prerequisites: Approval of a faculty sponsor and acceptance by an appropriate agency. Participation in school, clinic, civic or other community service work in health and human services. May be repeated to maximum of eight units. Graded CR/NC.

- **HHS 400 - Statistics in Health and Human Services**

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(4)

Prerequisites: Upper division standing and MATH 100, or MATH 102, or ECON/MATH 109 or MATH 110 or MATH 206. Basic statistical concepts, as applied to research in Health and Human Services; practical application of statistics using computer based data analysis.

- **HHS 495 - Field Work in Health and Human Services**

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(1-4)

Prerequisite: Admission to a Health and Human Services credit certificate program. Work with community service organizations; placement arranged by appropriate certificate program coordinator. May be repeated to maximum of 8 units. Graded CR/NC.

#### Health and Human Services (Graduate)

- **HHS 500 - Seminar: Interdisciplinary Seminar in Gerontology**

---

(4)

Prerequisites: Graduate status and students enrolled in the Graduate Certificate in Gerontology Program. Analysis of major issues in theory,

research, and practice in gerontology in a multi-disciplinary conceptual framework and multidimensions of the aging person in his/her environment and integration of the micro and macro level interventions that may be appropriate for aging individuals.

## • **HHS 595 - Field Practicum in Health and Human Services**

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(4)

Prerequisites: Graduate status and approval of an appropriate HHS program adviser. Supervised field experience in health and human service agencies. May be repeated for a maximum of 8 units. Graded CR/NC.

### Higher Education (Doctoral)

## • **EDHI 603 - Introduction to Doctoral Research**

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(2\*)

Prerequisite: Admission to doctoral program. Orientation for the Ed.D. program in Educational Leadership; expectations, commitments and the practice of inquiry in doctoral cultures; accessing technology and library resources, working with research faculty and community partners. Graded ABC/NC

\*Semester Units

## • **EDHI 605 - Laboratories of Practice**

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(2\*)

Prerequisite: Admission to doctoral program and EDHI 603. Faculty-supervised field research practicum; faculty and student collaborative research projects, mentoring and peer support; reinforces and models various research preparation activities leading up to and through students' dissertation research projects. Graded ABC/NC Students enroll in the appropriate field research lab as follows:

### **605C Community Research Lab**

Practicum with community partners on the issues and research needs of local educational organizations. Must be repeated for credit two times.

### **605D Dissertation Research Lab**

Practicum with dissertation chair and student peers to monitor status of field work/data collection, ongoing review of emerging findings and analysis of findings. Prerequisites: EDHI 605 F, EDHI 605C. Student must be advanced to candidacy. Repeated three times .for credit. Must be taken concurrently with EDAD 699.

### **605E Extended Research Lab**

Continuing practicum with dissertation chair and student peers to finalize dissertation research project. Prerequisite: EDHI 605D. May be repeated for credit eight times.

### **605F Faculty Research Lab**

Practicum with faculty advisor includes elements of proposing and conducting research, small group collaborative research projects. Faculty and student examination of research process. May be repeated for credit until advancement to candidacy.

\*Semester Units

## • **EDHI 605C - Community Research Lab**

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(2\*)

Practicum with community partners on the issues and research needs of local educational organizations. Must be repeated for credit two times.

See EDHI 605

**\*Semester Units**

• **EDHI 605D - Dissertation Research Lab**

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(2\*)

Practicum with dissertation chair and student peers to monitor status of field work/data collection, ongoing review of emerging findings and analysis of findings. Prerequisites: EDHI 605 F, EDHI 605C. Student must be advanced to candidacy. Repeated three times .for credit. Must be taken concurrently with EDAD 699.

See EDHI 605

\*Semester Units

• **EDHI 605E - Extended Research Lab**

---

(2\*)

Continuing practicum with dissertation chair and student peers to finalize dissertation research project. Prerequisite: EDHI 605D. May be repeated for credit eight times.

See EDHI 605

\*Semester Units

• **EDHI 605F - Faculty Research Lab**

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(2\*)

Practicum with faculty advisor includes elements of proposing and conducting research, small group collaborative research projects. Faculty and student examination of research process. May be repeated for credit until advancement to candidacy.

See EDHI 605

\*Semester Units

• **EDHI 610 - Research, Issues, and Practices in College and University Teaching**

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(4)

Prerequisite: Post-master's degree standing. Current research, issues, and practices in college and university teaching; instructional planning and preparation; student and program evaluation; non-instructional responsibilities of faculty.

• **EDHI 611 - Seminar: Supervision in College and University Teaching**

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(4)

Prerequisite: Post-master's degree standing. Review of research and practices in higher education supervision of students; discussion of college/university student field and laboratory teaching assignments and evaluation.

## History (Undergraduate)

Upper division standing is prerequisite to all 300 and 400-level history courses, unless otherwise noted.

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

### • HIST 110A - World Civilization I

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(4)

Comparative examination of world civilizations from 4500 BCE to 500 CE.

\*C-ID HIST 170

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE D

### • HIST 110B - World Civilization II

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(4)

Comparative examination of world civilizations from 500 to 1700 CE.

\*C-ID HIST 170 and HIST 180

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE D

### • HIST 110C - World Civilization III

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(4)

Comparative examination of world civilizations from 1700 CE to the present.

\*C-ID HIST 180

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE D

### • HIST 150 - Asian-American History

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(4)

Survey of the Asian experience in America from 1850 to the present. Emphasis on the historical experience of Chinese, Japanese, Filipinos, Korean, other Asian, and Pacific Islander immigrant groups. Service learning option.

GE D ; Approved diversity course

### • HIST 160 - History of Asia (also listed as AAAS160)

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(4)

History of Asia with an emphasis on East Asia.

### • HIST 202A - United States Civilization

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(4)

Political, economic, social and cultural development of U.S. from earliest settlement through civil war.

\*C-ID HIST 130

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE AM**

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• **HIST 202B - United States Civilization**

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(4)

Political, economic, social, and cultural development of U.S. from civil war to the present.

\*C-ID HIST 140

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE AM**

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• **HIST 300 - Early Field Experience in History-Social Science Education**

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(4)

Early field experiences in History-Social Science education in 7th-12th grade schools. Activities conducted in the course correlate with content from the California Subject Matter Standards in History-Social Science.

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• **HIST 311 - Classical Civilization and the Modern World**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. The Classical Tradition and its legacy. Origin of the Classical Tradition, its social, political, and cultural manifestations, significance in the contemporary modern world.

**GE Theme I ; Approved diversity course**

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• **HIST 320 - Mesoamerican Civilization**

(also listed as ANTH/ART/CHS/LAS 320)

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(4)

This is an interdisciplinary course that critically examines Mesoamerica as a civilization, with an emphasis on art, archaeology, literature, and cultural history.

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• **HIST 351 - Beyond Conflict, Violence, and War**

(Course also listed as POLS 351)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Nature, functions, and interrelationship of conflict, violence, and war; strategies of conflict resolution and peace. Examined in a global setting through theory and case studies.

**GE Theme B**

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• **HIST 352 - Civil Rights in the United States**

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(4)

Prerequisites: Completion of Basic Subject (Block A) and one course from Block D. The origins, development, achievements, and legacy of the civil rights movement are treated in this course. Consideration is given to social, intellectual, economic, and political aspects affecting the entire nation.

**GE Theme H ; Approved diversity course**

• **HIST 356 - History of Emotions**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Historical changes in emotional expression, meaning, and sensibilities, as constructed by gender, ethnicity, race, class, nationality, and religion.

**GE Theme E ; Approved diversity course**

• **HIST 357 - Gender in History**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Relationships between historical conceptions of gender (both womanhood and manhood) and race, ethnicity, class, religious, sexual identity, and nationality.

**GE Theme C ; Approved diversity course**

• **HIST 360 - Revolution and Society in Developing Countries**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Comparative and historical examinations of the origins and outcomes of revolution in developing countries.

**GE Theme A**

• **HIST 380 - Ancient and Modern Science**  
(also listed as PHIL 380 and CHEM 380N)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course in Block B. Systematic analysis of ancient scientific thought as science and its relationship to modern science.

**GE Theme I**

• **HIST 383 - Rise of Urban America**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Development of the American city in a global context from mid-nineteenth century to present. Examines urban growth, structure of urban institutions, and the impact of industrialism upon metropolitan society.

**GE Theme D**

• **HIST 388 - Historiography**

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(4)

Prerequisites: 12 units of history course work and satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). History of historical thought from ancient to contemporary historians. Special emphasis on modern historiography. Practical experience writing historiographical essays.

• **HIST 390 - Historical Research and Writing**

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(4)

Prerequisite: HIST 388. Introduction to historical research and writing; ideas, methods, and practical experience in investigating historical problems

• **HIST 401 - History of Globalization: Themes and Continuities**

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(4)

Analysis of the economic, political, and cultural origins of globalization, and of the historical precedents and parallels for contemporary manifestations and consequences of the phenomenon.

- **HIST 402 - Religion and Society in Medieval Europe**  
(also listed as RELS 402)

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(4)

History of European religious beliefs and practices from the 3rd to the 15th centuries, emphasizing the diversity within medieval Christianity.

- **HIST 410 - Ancient Near East: 4000–323 B.C.**

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(4)

Extensive study of earliest civilizations—Egyptian, Mesopotamian, Syrian, Persian, and Hebrew—and their historical legacy to Western world.

- **HIST 411 - History of Ancient Greece**

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(4)

Political and cultural study of Ancient Greece from Minoan- Mycenaean period to end of 5th century.

- **HIST 412A - Early Rome, The Republic**

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(4)

Internal and external development of the Roman republic from 8th Century B.C. to the death of Julius Caesar, 44 B.C.

- **HIST 412B - The Roman Empire**

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(4)

Roman history from the death of Julius Caesar, 44 B.C., to the fall of the city, 410 A.D.

- **HIST 413 - Greek History: The Alexandrian Age**

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(4)

Political, social, and religious developments from conquests of Alexander to rule of Islam; a history of Hellenistic, Roman, and early Byzantine rule in Near East.

- **HIST 414A - Pre-colonial Sub-Saharan Africa**

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(4)

African continent south of the Sahara, earliest times to latter half of 18th century.

- **HIST 414B - Modern Sub-Saharan Africa**

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(4)

Partition of Africa in 19th century, systems of European administration, reaction to colonial rule, birth of nationalism; social, economic, and political changes to 1945.

- **HIST 415 - Contemporary Sub-Saharan Africa**

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(4)

Post-World War II independence revolutions in black Africa; resistance to change in southern Africa; contemporary political, social, and economic problems of Africa south of the Sahara.



- **HIST 418 - History of Islamic Central Asia**  
(also listed as AAAS 418)

---

(4)

History in global context of the region encompassing Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, from the seventh century to the present, with emphasis on common religious and cultural trends.

- **HIST 419 - Classical Age of Islamic Civilization, 600–1258**

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(4)

Rise of Islam, the Caliphate, the Crusades, the Turkish and Mongol invasions.

- **HIST 420 - The Islamic Middle East: 1258-1919**

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(4)

Post-Mongol near east; Mamluk Egypt; Il-Khani, Timuri, Safavi and Qajar Iran; rise and fall of the Ottoman Empire; nationalism, revolution and European imperialism; emergence of modernity and modern nation-states.

- **HIST 421 - The Early Middle Ages**

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(4)

Europe from the 3RD to the 10TH centuries: Political, social, economic, religious and cultural developments.

- **HIST 422 - The Later Middle Ages**

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(4)

Europe from the 10TH to the 15TH centuries: Political, social, economic, religious and cultural developments.

- **HIST 423 - Renaissance and Reformation**

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(4)

Changes that shaped the course of early modern Europe to 1600, with emphasis on nature of period's leading phenomena, the Renaissance and the Reformation.

- **HIST 424 - Seventeenth Century Europe**

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(4)

Culmination of Wars of Religion, beginning of Age of Reason, and nature of absolutism in period from 1600 to 1715.

- **HIST 425 - Eighteenth Century Europe**

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(4)

The Ancien Regime and the Enlightenment to the French Revolution.

- **HIST 426 - French Revolution and Napoleon**

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(4)

History of Europe during period of French Revolution and Napoleon.

## **HIST 429 - Europe: 1914 to Present**

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(4)

Political, economic, cultural, and diplomatic history of Europe, World War I to present.

- **HIST 430 - Europe: 1815–1914**

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(4)

European nationalism, industrial growth, imperialism, and the politics of power.

- **HIST 431 - History of Modern Germany**

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(4)

History of modern Germany, with emphasis upon 20th century.

- **HIST 439 - Intellectual History of Europe**

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(4)

Thought, belief, and opinion in Europe, with emphasis on principal thinkers and ideas as they relate to contemporaneous historical values from the Enlightenment to present.

- **HIST 443 - The British Empire**

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(4)

Political and economic development of British Empire since late 18th century, with major consideration to expansion of colonial empire and evolution of modern empire commonwealth.

- **HIST 444A - Spain and Portugal to 1700**

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(4)

Political and institutional development of Spain and Portugal from antiquity to War of Spanish Succession.

- **HIST 444B - Spain and Portugal Since 1700**

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(4)

Political and institutional development of Spain and Portugal from 1700 to present.

- **HIST 446 - Imperial Russia: 1801–1917**

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(4)

History of Russia from accession of Alexander I to end of Romanov dynasty in 1917.

- **HIST 447 - The Soviet Union**

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(4)

Background and history of revolutions of 1917 and subsequent historical development of Soviet Union.

- **HIST 450A - Research Capstone: Special Studies in Public History**

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(4)

Prerequisite: HIST 390. A theme or episode in history examined thoroughly using the theories and methods of public history, oral history, community engagement and/or service learning. May be repeated up to 8 units.

- **HIST 450B - Research Capstone: Special Studies in History**

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(4)

Prerequisite: HIST 390. Different theme or episode in history examined thoroughly each quarter in the manner of an undergraduate seminar. Individual readings, written and oral reports, and discussion. May be repeated up to 8 units.

- **HIST 451 - Special Lectures in History**

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(2–4)

Lectures on special historical topics not regularly given by department. May be repeated for credit as topic changes.

- **HIST 455 - American Religious History**  
(also listed as RELS 455)

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(4)

Principal religious figures, groups, issues, and movements in U.S. history, with an emphasis on their place in the development of American culture.

- **HIST 457A - American Intellectual History to the Civil War**

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(4)

Ideas, beliefs, and opinions in American history to 1865, with emphasis on principal thinkers and ideas as they relate to the development of American culture.

- **HIST 457B - American Intellectual History Since the Civil War**

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(4)

Ideas, beliefs, and opinions in American history since 1865, with emphasis on principal thinkers and ideas as they relate to the development of American culture.

- **HIST 458 - Sickness and Health in American History**

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(4)

A topical study of the various ways in which Americans conceived of disease, practiced healing, preserved health, and devised institutions and professions to aid in their quest for health.




- **HIST 459 - Sexuality in the Americas**

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(4)

A social and cultural history. Study of the construction of sexual desires, attitudes and behaviors in the Americas from pre-conquest times to the present.

## Course Descriptions

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### History (Undergraduate)

*Upper division standing is prerequisite to all 300 and 400-level history courses, unless otherwise noted.*

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **HIST 460 - The Chicano Movement**  
(also listed as CHS 460)

(4)

Prerequisite: Upper-division standing. Examines the Chicano Movement of the 1960s and 1970s from an interdisciplinary perspective. Topics include: grassroots, student, and youth activism; antiwar movement; La Raza Unida Party; Chicana feminism, and the Chicano cultural renaissance.

- **HIST 461 - Latin America: Colonial Period**

(4)

Prehistory of the Americas south of the U.S.; European background, period of conquest, and colonial development to time of wars for independence.

- **HIST 462 - Latin America: 1810–1914**

(4)

Struggle for independence and social, political, and economic development of Latin American nations during 19th and early 20th centuries.

- **HIST 463 - Latin America: 1914 to Present**

(4)

Social, political, and economic development of Latin American nations since beginning of World War I.

- **HIST 464 - Central America Since Independence**

(4)

Political, social, economic, and cultural developments in Central America from independence to the present.

- **HIST 465 - Brazil**

(4)

Brazilian history from Portuguese occupation of eastern South America through colonial period, independent empire, and the republic to present time.

- **HIST 466A - Colonial Mexico**  
(also listed as CHS 466A)

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(4)

Social, political, economic, and cultural history of Mexico from pre-Columbian times to 1810.

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- **HIST 466B - Building the Mexican Nation**  
(also listed as CHS 466B)

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(4)

Social, political, economic, and cultural history of Mexico 1810 to 1910.

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- **HIST 466C - The Mexican Revolution and its Legacy**  
(also listed as CHS 466C)

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(4)

Social, political, economic, and cultural history of Mexico from 1910 to the present.

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- **HIST 467 - Modern Mexico and the Chicano People**  
(also listed as CHS 467)

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(4)

Prerequisite: CHS 111. Recommended: CHS/HIST 466C. History of modern Mexico and its impact upon the Chicano people from separation from Mexico in 1848 to the present.

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- **HIST 469 - Indigenous Peoples of Mexico, 1325-1910**

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(4)

Political, social, economic, and cultural history of indigenous peoples from all areas of colonial and post-colonial Mexico, with a focus on Nahua (Aztec) and Mayan histories.

ries.

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- **HIST 470 - The Colonial Heritage: The United States, 1607–1763**

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(4)

Transfer of Old World institutions to British North America. Development of colonial society to end of French and Indian War.

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- **HIST 471 - Era of Revolution: The United States, 1763–1815**

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(4)

Causes and nature of American Revolution and development of the new nation through end of War of 1812.

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- **HIST 472 - Democracy, Dissent, and Disunion: The United States, 1815–1877**

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(4)

Political democracy; nationalism and sectionalism; slavery and reform; the Civil War and Reconstruction.

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- **HIST 473 - The United States, 1877-1918**

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(4)

Industrialism and urbanization, international expansion, the Progressive Era and coming of World War I.

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- **HIST 474 - The United States, 1918–1952**

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(4)

The 1920's, Depression and New Deal, World War II, and the origins of the Cold War.

• **HIST 475 - The United States, 1952 to Present**

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(4)  
Domestic changes and issues, and international relations of recent times.

• **HIST 476 - Economic History of United States**

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(4)  
American economic development, industrialization, national legislation in industry and commerce.

• **HIST 477 - United States Social History**

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(4)  
The social structure; social relations of American individuals, families, and groups; colonial period to the present.

• **HIST 478 - History of United States International Relations**

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(4)  
International relations of the US with emphasis on the 20th century.

• **HIST 479 - Constitutional History of United States**

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(4)  
U.S. Constitution and American constitutionalism from colonial times to present.

• **HIST 480 - Ethnicity and Immigration in American History**

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(4)  
Role of national, racial, and religious minority groups, and of immigration, in American history.

• **HIST 481 - Special Topics in the U.S. West**

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(4)  
Special topics lectures about history of the West; e.g., the Westward Movement, the urban West, Southwestern history, and women in the West. May be repeated for credit as topic changes.

• **HIST 482A - American Popular Culture to 1900**

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(4)  
Prerequisite: Upper division standing. Identity, commercial culture and representations of evil in American popular culture to 1900.

• **HIST 482B - American Popular Culture from 1900**

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(4)  
Prerequisite: Upper division standing. Identity, commercial culture, representations of evil in American popular culture from 1900.

• **HIST 483 - Poverty and Anti-Poverty in American History**

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(4)

Prerequisites: Upper division standing. The history and politics of poverty in America; anti-poverty strategies of the state, religious organizations, labor unions, grass-roots organizations, and the poor themselves. Four hours of lecture/discussion; service learning option.

• **HIST 484 - Civil War and Reconstruction**

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(4)

Forces that split the Union; slavery, war, and the position of blacks; Reconstruction and its failures.

• **HIST 485 - U.S. Women to 1877**

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(4)

Social, intellectual, economic, and political experiences of U.S. women from prequest to 1877.

• **HIST 486 - U.S. Women, 1877 to the Present**

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(4)

Social, intellectual, economic, and political experiences of U.S. women, 1877 to present.

• **HIST 487 - History of U.S. Work and Working People**

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(4)

Transformation of work and social and political relations of workers in the U.S. from 1600 to the present.

• **HIST 488 - California**

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(4)

The complexities and diversity of California history from the Paleo-Indian past to the post-industrial present, examined from a national as well as global context.

• **HIST 489 - Los Angeles**

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(4)

Development of Los Angeles and its metropolitan areas from pueblo times to present.

• **HIST 492 - Nationalism, Revolution, and War in Middle East, 1919–Present**

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(4)

Rise of modern independent states in Middle East; survey of political, social, and economic developments in Middle Eastern states, with particular emphasis on attempts to create stable democratic regimes.

• **HIST 493 - Religion and Society in Chinese History**

(also listed as RELS 493)

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(4)

History of religious beliefs and practices throughout Chinese history, emphasizing the competition and mingling of various native and imported religions.

• **HIST 494A - Traditional China**

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(4)

Chinese civilization from earliest times to 1500.

- **HIST 494B - Modern China**

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(4)

Social, political, and economic development of mainland China from 1500 to 1949.

- **HIST 494C - People's Republic of China**

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(4)

Political, economic, social, and foreign relations issues of Communist China since 1949.

- **HIST 495A - Traditional Japan**

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(4)

Japanese civilization from earliest times through traditional eras until 1868.

- **HIST 495B - Modern Japan**

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(4)

Social, political, and economic development of Japan since 1868.

- **HIST 497 - Editing and Publishing Perspectives**

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(4)

Prerequisite: Consent of instructor. Techniques and practice in editing and producing a scholarly journal of research and review. May be repeated to a maximum of 8 units.

- **HIST 498 - Issues in Teaching History-Social Science**

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(4)

Prerequisites: HIST 388 and HIST 390, or LBS 301 and LBS 360. Explores issues and concepts involved in teaching History-Social Science in California public schools.

- **HIST 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated to maximum of 8 units as topic changes.

### **History (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission for all 500-level courses.*

- **HIST 501 - Introduction to Graduate Study in History**

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(4)

Prerequisite: HIST 388 or equivalent. Introduction to theoretical and historiographical issues relevant to graduate study in history.

- **HIST 519 - Seminar: Ancient History**

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(4)



Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in Greek or Roman history. May be repeated for credit.

• **HIST 520 - Seminar: History of Middle Ages**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in the history of the Middle Ages. May be repeated for credit.

• **HIST 522 - Seminar: Middle Eastern History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in Middle Eastern history. May be repeated for credit.

• **HIST 532 - Seminar: Early Modern European History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in early modern European history. May be repeated for credit.

• **HIST 533 - Seminar: Recent European History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in recent European history. May be repeated for credit.

• **HIST 542 - Seminar: Russian History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in Russian history. May be repeated for credit.

• **HIST 550 - Seminar: Special Studies**

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(4)

Prerequisite: HIST 501 or equivalent. Topics of special interest that transcend cultural and chronological lines, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

• **HIST 561 - Seminar: History of Mexico**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in Mexican history. May be repeated for credit.

• **HIST 562 - Seminar: Latin American History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in Latin American history. May be repeated for credit.

• **HIST 571 - Seminar: Early History of U.S.**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in the early history of the United States. May be repeated for credit.

• **HIST 575 - Seminar: Recent History of U.S.**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in the recent history of the United States. May be repeated for credit.

• **HIST 577 - Seminar: American Social and Intellectual History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in American social and intellectual history. May be repeated for credit.

• **HIST 581 - Seminar: History of the U.S. West**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in history of the U.S. West. May be repeated for credit.

• **HIST 591 - Seminar: Recent Asian History**

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(4)

Prerequisite: HIST 501 or equivalent. Readings, discussion, and paper on topics in recent Asian history. May be repeated for credit.

• **HIST 595 - Seminar in Historical Research and Writing**

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(4)

Prerequisite: HIST 501 or equivalent. Seminar in historical research methods and writing, culminating in a written research project.

• **HIST 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

• **HIST 598 - Graduate Directed Study**

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(1–4)

Prerequisite: HIST 501 and instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

• **HIST 599 - Thesis**

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(1–4)

Prerequisites: Advancement to candidacy, HIST 501, 595, instructor consent to act as thesis director, and departmental approval of topic prior to registration. Independent research resulting in a thesis. Must be repeated to total of 4 units. Graded CR/NC.

**Honors (Undergraduate)**

• **HNRS 101 - Introduction to Academic Inquiry and the Honors College**

---

(4)

Explores ways of knowing across the disciplines; introduces students to Honors College learning goals; examines strategies for undergraduate success. Graded ABC/NC

**IHE and Block E (GE)**

## **HNRS 110 - Reading Los Angeles: Communication in the City of Angels**

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(4)

This course explores oral communication through study and experience in analysis, synthesis, and presentation of discourse in a public speaking forum, focusing on arguments in the global metropolis.

**GE A2**

## **• HNRS 120 - Reading Los Angeles: Expressive Cultures in a Global City**

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(4)

Explores cultural expression and creativity in globalized urban contexts. Interdisciplinary exploration of artistic and creative expression (literature, art, theater, dance, film, and other cultural forms) in Los Angeles, and other global cities.

**GE C5**

## **• HNRS 130 - Reading Los Angeles: Community and Structure in the Metropolis**

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(4)

Strategies for understanding the social, political, economic, and cultural structures and processes that shape the modern metropolis.

**GE D**

## **• HNRS 201 - Angelenos and Air Quality: A Chemist's Perspective**

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(4)

Prerequisites: HNRS 101 or completion of Block A, and GPA of 3.3 or higher. An intensive introductory course in physical science emphasizing how scientific inquiry is used to explore the effects of human activities on Los Angeles air quality. Lecture 3 hours, laboratory 3 hours. Curriculum is integrated with HNRS 202.

**GE B2**

## **• HNRS 202 - Angelenos and Air Quality Part II: A Life Scientist's Perspective**

---

(4)

Prerequisites: HNRS 101 or completion of Block A, and GPA of 3.3 or higher. Nature, history, methods, and applications of the discipline of biological sciences in relation to air pollution and human respiratory health. Emphasis on current events, scientific investigation, data analysis and communication. Lecture 3 hours, laboratory 3 hours.

**GE B1**

## **• HNRS 220 - Sustainability, Place and Value: Social Innovation and Global Entrepreneurship**

---

(4)

Prerequisites: HNRS 101 or completion of Block A, and GPA of 3.3 or higher. This course focuses on the practice and implementation of entrepreneurship and innovation in providing creative solutions to social, political and ecological issues, locally, nationally and internationally. Lecture 3 units, laboratory (field work) 1 unit.

**GE D**

## **• HNRS 310 - Human Rights and Literature**

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(4)

Prerequisite: Upper division Honors College standing. Examination of how literature contributes to the conceptualization of human rights; discussing the ethics of storytelling in relation to global human rights issues, analyzing formal and cultural distinctions across a variety of genres.

**APPROVED DIVERSITY COURSE**

**GE HONORS THEME (Humanities) Upper Division HONORS**

- **HNRS 320 - Global Citizenship: Voices and Contexts**

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(4)

Prerequisite: Upper division Honors College standing. Analysis of globalization's historical roots and political, economic, and cultural consequences, comparing novelistic, personal, and social-scientific perspectives; highlights dislocations, conflicts, opportunities, and transformations resulting from global migrations.

**APPROVED DIVERSITY COURSE**

Upper Division HONORS THEME (Social Sciences)

- **HNRS 330 - Global Climate Change: The Science and Responsible Societal Response**

---

(4)

Prerequisite: Upper division Honors College standing. Global climate change and its impact on society. Investigation of environmental changes and the role of human activities on these changes; discussion of societal responsibilities and alternative solutions.

Upper Division HONORS THEME (Natural Sciences and Math Requirement.)

- **HNRS 495 - Senior Thesis Prospectus**

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(2)

Prerequisites: satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), and senior standing in the Honors College. Introduction to advanced research methods, writing the thesis prospectus, conducting a literature review, and designing a research plan.

- **HNRS 496 - Senior Thesis Project**

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(4)

Prerequisites: HNRS 495, satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), and senior standing in the Honors College. Advanced research or creative project connected with one or more of the Honors College learning goals.

- **HNRS 497 - The Honors Institute**

---

(2)

Prerequisites: Senior standing in the Honors College. Variable topic focused on interdisciplinary themes connected with the learning goals of the Honors College. Includes presentation of undergraduate research and senior projects and theses.

**Information Systems (Undergraduate)**

Upper division standing is prerequisite to enrollment in 300- and 400- level CIS courses.

- **CIS 100 - Business Computer Systems**

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(4)

Computer system fundamentals; computer hardware and software concepts; introduction to microcomputer software.

C-ID BUS 140 (same as ITIS 120)

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CIS 283 - Introduction to Application Programming with Java**

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(4)

Prerequisite: CIS 100. Introduction to business application programming: concepts and techniques of structured and object-oriented programming including data representation, input-output, calculations, control structures, sorting, and classes.

- **CIS 301 - Management Information Systems**

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(4)

Prerequisite: CIS 100. Organizational context of computer-based information systems; common application systems; information architecture; user role in systems development; social and ethical implications.

- **CIS 320 - Data Processing and Analytics**

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(4)

Prerequisite: CIS 100 or Equivalent. Intensive and hands-on instruction in using software applications including spreadsheet, database management, application integration, data mining, data visualization and e-collaboration in the cloud environment.

- **CIS 361 - Web Design and Development**

---

(4)

Prerequisites: CIS 100 or equivalent. An introduction to E-business infrastructure, issues and development. Programming for the web and web publishing tools. Hands-on projects reflect problem-solving skills in the E-business world.

- **CIS 383 - Multimedia and Game Application Programming**

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(4)

Prerequisite: CIS 100 or equivalent. Introduction to the development of gaming applications in multimedia environments using software developmental tools. Hands-on projects reflect the real-world entertainment industry.

- **CIS 398 - Cooperative Education in Information Systems**

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(see UNIV 398)

(1-4)

Cooperative Education in Information Systems

- **CIS 405 - Database Design and Development**

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(4)

Prerequisites: Knowledge of Microsoft Windows and programming language. Role of databases in information systems; data modeling using entity-relationship analysis; relational databases concepts, design, development and management; normalization; SQL; implementation of databases applications.

- **CIS 406 - Systems Analysis and Design**

---

(4)

Prerequisite: CIS 405A. Life cycle and methodologies; requirements determination, logical design, physical design, test and implementation planning, and performance evaluation; communication and interpersonal skills; analysis methods and tools; impact of emerging technologies.

- **CIS 410 - Hardware and Software Architecture**

---

(4)

Prerequisite: CIS 283. Analysis of contemporary information technology architectures and environments, including: multitiered client/server architectures; enterprise, workgroup, and personal systems hardware and operating systems; and systems and program planning and development tools.

- **CIS 437 - Security Risk Management and Internal Controls**  
(also listed as ACCT 437)

---

(4)

Prerequisite: CIS 301. Introduction to information security risk management including internal controls, operations security, risk assessment, incident management, business continuity and disaster recovery planning, legal issues and ethics, information security program development.

- **CIS 438 - Computer Forensics and Investigations**  
(also listed as ACCT 438)

---

(4)

Prerequisites: CIS 301. Introduction to selected techniques and tools for computer forensics and investigations. Topics include coverage of the latest technology. Hands-on activities allow students to practice skills as they are learned.

- **CIS 445 - Network Application Development**

---

Prerequisite: CIS 405A. Design and implementation of multiuser business applications emphasizing client/server technology.

- **CIS 451 - Fundamentals of ERP Technology**

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(4)

Prerequisite: CIS 301 or equivalent. Enterprise Resource Planning (ERP) database analysis; ERP fundamentals and functionality; ERP systems applications architecture contexts; business processes integration and data reuse hands-on projects using ERP software.

- **CIS 454 - Special Topics in Computer Information Systems**

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(4)

Prerequisites: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for credit to maximum of 8 units.

- **CIS 457 - Advanced Java Programming**

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(4)

Prerequisite: CIS 283. Application programming with Java. Object-oriented programming for business applications in Java, including applications versus applets, classes, interfaces, arrays, multimedia, exceptions, and threads and JSP/Servlet.

- **CIS 458 - E-business Application Development with Oracle**

---

(4)

Prerequisite: CIS 405A and CIS 283. Introduction to technical architecture and detailed technology solutions required to implement e-business applications in the real world. Includes fundamentals of database application development, connectivity, embedded SQL, and server-side technology.

- **CIS 459 - Advanced Information Systems Development**

---

(4)

Prerequisite: CIS 301. Design and implementation of an information system; development in an object-based programming and relational data base enterprise environment; group project.

- **CIS 472 - Wireless Communications and Networks**

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(4)

Prerequisite: CIS 100 or equivalent. Provides an introduction to wireless communication systems, including WPANs, WLANs, WMANs, WWANs, WSNs, and wireless local loop. Wireless architecture and technologies, QoS, security, multimedia, and business applications will be discussed.

## • **CIS 473 - Network Security Essentials and Practice**

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(4)

Prerequisite: CIS 100 or equivalent. Introduction to practical computer and network security. Hands-on projects help students to establish the direct experience of using a large array of software program tools on information system security.

## • **CIS 484 - Communications Systems**

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(4)

Prerequisite: CIS 100. Business data communications and local area network topics including data communications theory, communication hardware and software, microcomputers in communications, LANs, online services, electronic mail, and WANs.

## • **CIS 485 - Local Area Networks**

---

(4)

Prerequisite: CIS 484. Networking fundamentals, design and implementation of a LAN, user and resource management, internetworking and interfacing with the Internet; hands-on exposure to a popular network operating system of the time.

## • **CIS 486 - Managing Information Systems Projects**

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(4)

Prerequisites: CIS, MGMT 307. Effective behavioral and technical techniques in managing information systems development over the project life cycle.

## • **CIS 487 - Decision Support Systems**

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(4)

Prerequisites: CIS 100; FIN 303; MGMT 306. Computer-based decision analysis techniques and software packages; use of spreadsheet facilities, expert systems, optimization, and simulation techniques.

## • **CIS 488 - Information Security**

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(4)

Prerequisite: CIS 301 or equivalent or permission of instructor. Broad coverage of common body of knowledge for information security: access control; application security; business continuity; cryptography; legal investigations; network and internet security; operations security; physical security; risk management; security architecture.




## • **CIS 490 - Capstone: Information Systems**

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(4)

Prerequisites: Senior standing, passing grade on the WPE. Integration of information systems and technology core courses; provides exposure to roles of information systems and technology professionals in industry.

## Course Descriptions

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### Information Systems (Undergraduate)

*Upper division standing is prerequisite to enrollment in 300- and 400- level CIS courses.*

- **CIS 498 - Cooperative Education in Information Systems**  
(see UNIV 498)

(1-4)

Cooperative Education in Information Systems

### Information Systems (Graduate)

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 500- level courses.*

- **CIS 500 - Information Systems for Management**

(4)

Hardware, systems software, applications software, and telecommunication components and architecture of operational and management oriented information systems. Cases in managing the acquisition and use of custom developed and packaged systems.

- **CIS 501 - Application Programming**

(4)

Prerequisite: CIS 100. Algorithm development for business applications using structured and object-oriented programming; planning, designing, coding, debugging, and documenting programs.

- **CIS 502 - Analysis and Logical Design I: Data/Object Structures**

(4)

Prerequisite: CIS 501. Introduction to data structures and to structured, relational, and object data base management systems; designing and programming personal and production-oriented data base system.

- **CIS 503Z - Analysis and Logical Design II: Methodology**

(4)

Prerequisite: CIS 501. Package and custom systems development life cycles; feasibility and requirements determination; process, data and object modeling, design, and implementation; change management.

- **CIS 504 - Information Systems**

(4)

Overview of computer, communication and software systems. Cases in: business applications of information technology, managing the



acquisition and use of application systems, and working with the information systems organization.

- **CIS 510 - IS/IT Architectures**

---

(4)

Prerequisite: Procedural language programming experience. Analysis of contemporary information technology architectures and environments, including: multi-tiered client/server architectures; enterprise, workgroup, and personal systems hardware and operating systems; and business systems planning and development tools.

- **CIS 520 - Software Engineering**

---

(4)

Status and problems with methodologies and tools underlying specification estimation, justification, design, development, installation and maintenance of large business software and systems integration projects.

- **CIS 527 - Seminar: Decision Support Systems**

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(4)

Analysis, design, management, and use of tools needed to mine decision support data from data warehouses, the Web, and commercial information services.

- **CIS 528 - Current Problems in Computer Information Systems**

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(4)

Prerequisite: CIS 504. Latest research projects in computer information systems; application of research techniques and results to specific problems. May be repeated once as subject matter changes.

- **CIS 543 - Data Base Systems**

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(4)

Data base concepts; comparison of relational and object-oriented modeling for data base systems; unified modeling language for data bases; principles of data warehousing; data base administration and development tools; case study in data base design.

- **CIS 560 - Seminar: Microcomputer Networks**

---

(4)

Prerequisite: CIS 484 or 585. Advanced technology concepts and developments seminar; trends in hardware and associated operating systems and architecture; Distributed Information Systems (distributed data processing), networking, data communications related to networks.

- **CIS 561 - Design of an E-Commerce Site**

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(4)

Prerequisite: Basic knowledge of HTML or XML. Analysis, development, and design of a web-based e-commerce site model for an actual business. Team projects incorporate web design, electronic transfer processing, and site development/maintenance.

- **CIS 562 - Authoring Web Sites**

---

(4)

Prerequisite: Knowledge of Procedural Language Programming. Design of web sites based on visual, color, content, animation, and hierarchical elements; tailoring format and writing for specific audience, purpose, and media; incorporating interactivity to enhance understanding and usability.

## **CIS 581 - Health Care Information Systems**

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(4)

Overview of computer, communication and software systems. Cases in health care information technology applications. Development, acquisition and use of custom and packaged application systems. Working with the Information Systems Organization.

## **• CIS 583 - Information Systems Consulting**

---

(4)

Approaches and tools for consulting to the modern information-age organization; presentation of the results of actual information systems consulting projects; student case study presentations.

## **• CIS 584 - Seminar: Controlling and Auditing Computer Systems**

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(4)

Controlling online interactive computer/data communication systems as a challenge to management and internal and external auditors.

## **• CIS 585 - Communication and Information Services**

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(4)

Prerequisite: CIS 504. Voice and data communication technologies that underlie the Internet; tools and strategies needed for e-commerce and information services.

## **• CIS 586 - Information Systems Project and Change Management**

---

(4)

Organizational, behavioral and life-cycle aspects of the project planning, staffing, control, and implementation elements of technology-based systems.

## **• CIS 590 - IS/IT Policy and Strategy**

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(4)

Prerequisite: CIS 504. Discussion of the strategic perspective for aligning organizational strategy, core competencies, and information systems and technology; partnership roles of the CEO and CIO.

## **• CIS 598 - Graduate Directed Study**

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(1)

Investigation of an approved project leading to written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.

### **Instructional Technology (Undergraduate)**

## **• EDIT 420 - Human Side of Computers and Information Technology**

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(4)

Computers and information technology studied as part of the larger culture through critical analyses and focus on the human communications, aesthetic, ethical, pedagogical, social, cultural, cognitive, educational, policy and historical issues involved. (Cross-listed with COMM 420)

## **• EDIT 430 - Information Technologies in the Classroom**

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(4)

Prerequisites: CS 160 or its equivalent or EDIT 300 and completion of EDCI 300 or EDSP 300 or graduate standing. Using computers and

electronic media to analyze data, communication, collaborate, and solve problems in education; evaluation of electronic media for education; designing lessons, curricula, and creating learning environments using electronic media. Using technology in the assessment process.

- **EDIT 431 - Advanced Computer Applications in Education**

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(4)

Prerequisite: EDIT 430 or permission of instructor. The use of advanced computer tools in the K-12 school curriculum. Seminar 3 hours, activity 2 hours.

- **EDIT 435 - Computer Systems in Education**

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(4)

Prerequisite: EDIT 430. Computing systems and their uses in education including computer hardware, operating systems local area networks, peripherals, and telecommunications equipment. Lecture 3 hours, laboratory 2 hours.

- **EDIT 451 - Survey of Instructional Media and Technology**

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(4)

Prerequisite: EDIT 430. Introduction to the M.A. programs in instructional technology, careers in instructional technology, selected learning theories, an introduction to instructional media design, an introduction to portfolios, and basic instructional technology software and hardware tools.

- **EDIT 472 - World Builders**

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(5)

Prerequisite: EDIT 430 or equivalent. Students use computers to access educational information and post graphics on the World Wide Web. Students explore future learning styles and broaden learning structures through the use of technology.

- **EDIT 484 - Computer Authoring Tools**

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(4)

Prerequisite: EDIT 430. Computer authoring tools and their uses in developing educational software; hands-on experience with various authoring tools.

- **EDIT 490 - Special Topics in Instructional Technology**

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(2–5)

Prerequisite: Instructor consent. Investigation of unique problems and new developments in instructional technology as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

### **Instructional Technology (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program*

- **EDIT 501 - Instructional Design of Mediated Instruction**

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(4)

Prerequisites: EDIT 430, 451. Learning theories, instructional design models, planning effective instruction, screen design strategies, text and graphic integration, and systematic approach to design of mediated instruction.

## **EDIT 502 - Fundamentals of Computer Education**

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(4)

Prerequisites: EDIT 451, EDFN 500. Issues, trends, theories, and research related to the integration of computers and related technology into K- 12 classrooms. Seminar 4 hours.

## **• EDIT 510 - Using Educational and Assistive Technology**

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(2)

Provides students with the ability to analyze technology and its appropriate use for facilitating the teaching and learning process for accessibility. Course examines issues and methods used in assistive technology.

## **• EDIT 540 - Instructional Graphics Design and Production**

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(5)

Prerequisites: EDIT 430, 451, 484. Theory and practice in design and production of instructional computer graphics for slides, prints and videos and computer displays. Principles of instructional design of graphics for mediated instruction. Seminar 5 hours.

## **• EDIT 550 - Multimedia Design and Production**

---

(5)

Prerequisites: EDIT 430, 451 and 484. Analysis, design and production of multimedia for education and training. Hands-on experience with Adobe Photoshop and Adobe Premiere for digital video editing. Students need access to web. Lecture 5 hours.

## **• EDIT 554 - Video Technology in Education**

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(4)

Prerequisite: EDIT 451. Educational value and utilization of video technology in instructional settings; review and application of research; exploration of future uses of the medium.

## **• EDIT 556 - Technology Leadership in Schools**

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(5)

Prerequisites: EDIT 435, 451 and 501. Planning and developing technology resources for schools and school districts, staff development, funding technology in schools. School reform and technology.

## **• EDIT 557 - Computer Assisted and Managed Instruction**

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(5)

Prerequisites: EDIT 430, 451, 484 and 501. Fundamentals of information systems and current research for the design, development, and implementation of computer-assisted and managed instruction including tutorial, drill and practice, simulation, gaming and testing.

## **• EDIT 560 - Internet and the World Wide Web in Education**

---

(4)

Prerequisite: EDIT 430 and EDIT 435, or permission of instructor. Using telecommunications and network hardware and software for accessing the internet. Using the World Wide Web to find, develop and use curricular applications. Using the internet as a research tool.

## **• EDIT 565 - Distance Learning**

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(5)

Issues related to distance learning at all levels of education. Relevant technologies, instructional design, theory, research, and model distance learning programs. Includes hands-on use of technology.

- **EDIT 580 - Applied Experience in Instructional Technology**

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(4)

Prerequisites: Advancement to candidacy in MA in Education: Option in Instructional Technology or Computer Education. Examination of several instructional technology field settings. Supervised practicum with instructional technology manager.

- **EDIT 594 - Selected Studies in Instructional Technology**

---

(1-4)

Prerequisites: Consent of division chair; appropriate prerequisite. Advanced specialized topics involving instructional technology. May be repeated for credit as subject matter changes.

#### **Instructional Technology (Doctoral)**

- **EDIT 600 - Educational Technology Leadership**

---

(3\*)

Prerequisite: Admission into doctoral program or consent of instructor. Examines history of technology in educational contexts; analyzes the complex interrelationships between educational technology theory, research, and policy; explores ways leadership can address innovation and the challenge of equal access.

\*Semester Units

#### **Intercollegiate Athletics (Undergraduate)**

- **ATHL 341 - Series: Individual or Dual Sports**

---

(1-2 each)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 341C - Cross Country (Women's)**

---

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 341F - Track and Field (Men's) (Women's)**

---

(2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 341T - Tennis (Women's)**

---

(2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 342 - Series: Individual or Dual Sports**

---

(1-2 each)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 342B - Baseball (Men's)**

---

(2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 342K - Basketball (Men's) (Women's)**

---

(2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 342S - Soccer (Men's) (Women's)**

---

(2, 2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 342V - Volleyball (Women's)**

---

(2)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

#### **Intercultural Proficiency (Undergraduate)**

- **ICP 481 - Achieving Intercultural Proficiency in Urban Communities**

---

(4)

Prerequisites: Junior standing or above. Preparation for understanding sociocultural and community factors necessary for achieving intercultural proficiency. Practical experience enabling increased intercultural proficiency in relation to diverse communities. Graded ABC/NC.

- **ICP 483 - Intercultural Proficiency: Diverse Urban Families**

---

(4)

Prerequisite: Junior standing or above. Corequisite: ICP 495 (1 unit) Description and analysis of similarities and differences among ethnic families in urban communities; unique values and beliefs, attitudes, goals, family organization, place of family in society and gender roles. Graded ABC/NC.

- **ICP 485 - Mobilizing Diverse Communities**

---

(4)

Prerequisite: Junior standing or above. Corequisite: ICP 495 (1 unit). Concepts and practices of community empowerment. Community organization, collaboration, mobilizing, urban ecology; ramifications of institutional racism in American society. Lecture 2 hours; activity 2

hours. Graded ABC/NC.

- **ICP 495 - Practicum: Serving Diverse Communities**

---

(4)

Prerequisites: ICP 481 and completion of at least 12 additional units of course work that count toward the ICP certificate. Hands-on experience in a multicultural setting in a nonprofit or governmental service agency; service-learning focus that provides opportunities to reflect on practicum experiences in order to enhance understandings of theory. Graded CR/NC.

#### **Interdisciplinary Business (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 300- and 400- level BUS courses.*

- **BUS 101 - Introduction to Higher Education for Business and Economics Majors**

---

(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded A,B,C/NC

**Freshman IHE and Block E**

- **BUS 154 - Special Topics in Business**

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(1–4)

Current topics of special interest in business as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **BUS 200 - Work and Self Development**

---

(4)

Systematic investigation of how work shapes human understanding and behavior—past, present and future. Covers pertinent psychological, sociocultural, economic and technological issues about work and individual achievement.

**GE E**

- **BUS 250 - Diversity, Business, and the Workplace**

---

(4)

How cultural diversity drives business behavior; specific reference to Los Angeles firms builds awareness, knowledge and skills to interact successfully within diverse business environments.

**GE D ; Approved diversity course**

- **BUS 301 - Transition to Cal State L.A. for Business and Economics Majors**

---

(2)

Skills and resources for transfer students in College of Business and Economics majors. Meets University transfer student Introduction to Higher Education (IHE) requirement. Campus computer account required. Graded ABC/NC.

- **BUS 305 - Business Communications**

---

(4)

Prerequisites: ENGL 102 and satisfactory completion of the Writing Proficiency Examination (WPE) (UNIV 400 or UNIV 401). Principles of business communication; emphasis on clear and correct written communication as a tool for business decision-making.

- **BUS 354 - Business and Economics Special Topics**

---

(1–4)

Prerequisite: Varies with topic: Topics of special interest, as announced in the Schedule of Classes. In-depth presentation and analysis of topics significant to business and economics, lectures, discussions and projects. May be repeated for credit for 8 units as subject matter changes.

- **BUS 395 - Community Service in Business**

---

(1–3)

Prerequisites: Upper division standing in College of Business and Economics major; approval of college interdisciplinary faculty coordinator in consultation with EPIC director, and acceptance by an appropriate community agency or director of a campus-approved business assistance or development project. Participation in work of a community agency or activities in business assistance or development projects, utilizing professional and/or vocational skills in service to community. May be repeated to maximum of 6 units. Graded CR/NC.

- **BUS 454 - Special Topics in Business**

---

(1–4)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for credit for 20 units as subject matter changes.

- **BUS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Senior standing and instructor consent to act as sponsor. Independent work and preparation of oral and written reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for credit to maximum of 20 units as subject matter changes.

- **BUS 501 - High Performance Management: Communication, Teamwork, and Leadership**

---

(4)

Corequisite: BUS 502A. Develops the managerial skills that affect individual and group performance organizations. Topics include leadership, motivation, diversity management, organizational behavior, and human resource management. Managerial communication, team-building, negotiation, conflict resolution, and intercultural communication skills will also be emphasized.

- **BUS 502A - Integrative Business Strategy I**

---

(4 units)

Corequisite: BUS 501. Provides an integrative view of strategically positioning the firm for success. Topics include legal, political, and economic environment, competitive, marketing and sales, technology, financial, technology, financial, and corporate planning strategies.

- **BUS 502B - Integrative Business Strategy II**

---

(2 units)

Prerequisites: BUS 501, BUS 502; Corequisite: BUS 503. Integrative view of how to strategically position the firm for success. Topics include legal, political, and economic environments, competitive, marketing and sales, technology, financial and corporate planning strategies. Continuation of material from BUS 502A.

- **BUS 503 - Managing Business Processes**

---

(6 units)

Prerequisites: BUS 501, BUS 502A; Corequisite: BUS 502B. Organized around the value chain methodology, the course covers the business processes central to a firm's product creation and delivery activities. Logistics, process design, marketing and sales procurement, and technology will be analyzed, along with the management, support and information services needed to support these functions.

- **BUS 504 - Competing in a Global Environment**

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(8 units)

Prerequisite: BUS 503. Acknowledging the global environment in which business operates, addresses management concerns for maximum organizational effectiveness in international business. Topics include international market identification, trade practices and policy, legal issues in business, international currency markets, joint ventures, international business strategy, and global management. Intercultural management issues, negotiation, and crosscultural differences will also be addressed.

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- **BUS 505 - New Business Management**

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(8 units)

Prerequisite: BUS 503. Interdisciplinary understanding of the skills and knowledge necessary to start and manage a new business. Topics include market research, new product design and analysis, raising capital, forecasting demand, new business opportunities, project management, writing a business plan.

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- **BUS 511 - Managerial Skills and Business Ethics**

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(4)

Develops the managerial skills needed for effective individual and group performance in dynamic organizational, societal, and global environments. Topics include organizational culture, ethics, social responsibility, and human resource management. Managerial communication, leadership, motivation, teamwork, negotiation, and intercultural communication skills are emphasized.

---

- **BUS 512A - Financial Reporting, Control, Management and Markets I**

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(4)

Prerequisites: ACCT 200AB and 300; or ACCT 500; or equivalent courses. The course covers the use of financial and managerial accounting concepts applied for analysis, problem solving and decision-making in corporations. Topics include financial statement analysis, project and product analysis internal control, accounting ethics, corporate governance, and tax and data security issues.

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- **BUS 512B - Financial Reporting, Control, Management and Markets II**

---

(4)

Prerequisites: FIN 500 or 303 or equivalent courses and BUS 512A. Basic concepts of managerial finance, portfolio theory, multinational financial management and financial institutions. Topics include financial statement analysis, capital budgeting, mergers and acquisitions, portfolio analysis, asset pricing, management of financial intermediaries, and risk management.

---

- **BUS 513 - Marketing Management in Global Environment**

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(4)

Integrates concepts and tools in the marketing discipline so that students will be able to apply them to the dynamic marketing systems. Topics include analyzing global marketing opportunities, designing marketing strategy, managing, implementing, and evaluating marketing programs.

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- **BUS 514A - Managing Business Processes I**

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(4)

Prerequisites: MGMT 500 and CIS 500; or equivalent courses. Organized around the value chain methodology, the course covers the business processes central to a firm's product creation and delivery activities. Logistics, process design, marketing, procurement, and technology will be analyzed.

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- **BUS 514B - Managing Business Processes II**

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(4)

Prerequisites: MGMT 500, CIS 500; or equivalent courses and BUS 514A. Successful forecasting, development, and scheduling is crucial to productivity and Enterprise Resource Planning (ERP) is the primary way to attain it. ERP technologies, Internet and Intranet, and Customer Relations Management are discussed along with implementation and security issues.

- **BUS 515 - Business, Government Policies, and the Global Economy**

---

(4)

Prerequisite: ECON 201 and 202; or ECON 500; or equivalent courses. Domestic and global economic environments for business. Effects of public policies, national economic policies, and international economic policies on business decision-making. Issues in regional and global economic integration.

- **BUS 516 - Integrative Business Strategy**

---

(4)

Provides an integrative view of strategically positioning the firm for success. Topics include legal, political, and economic environment, competitive, marketing and sales, technology, financial, and corporate planning strategies.

- **BUS 563 - E-Commerce**

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(4)

Fundamentals of electronic commerce, including retailing and advertisement in electronic commerce; business-to business electronic commerce; Intranet and Extranet; strategy, infrastructure and implementation of electronic commerce; legal and privacy issues.

- **BUS 565 - Risk Management**

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(4)

Nature of risk; risk measurement and strategy; financial risk, operational risk, regulation and political risk; insurance and systematic risk; emerging issues in risk and environment risk; application of theory of risk to business management.

- **BUS 596 - Comprehensive Examination**

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(0 units)

Students should expect to take the comprehensive examination (BUS 596) the quarter they complete all course work on their program and must comply with college and departmental requirements.

- **BUS 597 - Graduate Research**

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(1–4)

Prerequisites: Instructor consent to act as sponsor, approval of graduate associate dean prior to registration. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit to maximum of 8 units. Graded ABC/NC.

- **BUS 599A - Thesis**

---

(2)

Prerequisites: Written approval of graduate adviser; for M.S. Business Administration candidates, completion of at least one of ACCT 503, ECON 502, or MGMT 501 and concurrent registration in at least one of the remaining two courses. Formal course in research methodology conducted at option of individual departments. Prior to completion, students will have completed a tentative outline of thesis, petitioned graduate adviser for appointment of a thesis committee, and submitted tentative outline to thesis committee. Graded CR/NC.

- **BUS 599B - Thesis**

---

(3)

Prerequisites: BUS 599A, written approval of thesis committee chair. Completion of thesis under direct supervision of thesis committee. Graded CR/NC.

### **Introduction to Higher Education (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the*

- **TECH 150 - Introduction to Higher Education in Technology**

---

(2)

Must be taken once during the first two quarters at Cal State LA. Orientation to the role of higher education in society and development of personal awareness of graduation requirements in order to obtain a baccalaureate degree in the Department of Technology. Graded CR/NC. NIS Account Required.

- **TECH 301 - Transition to Cal State L.A. for Technology Majors**

---

(2)

Emphasizes resources and skills that help students attain degree objectives and introduces them to the following aspects of the University: history, structure, policies and procedures, faculty expectations, resources and skills necessary for success. Introductions to professions associated with programs in the department.

- **TECH 384 - Foundations of Technology Education**

---

(4)

Comprehensive introduction to industrial and technology education in the United States with emphasis on current trends and issues specific to California. First-hand experience in new instructional and curricular methods in technology education.

- **TECH 491 - Technology Education in the Middle Grades**

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(4)

Prerequisite: TECH 384. Designing and implementing Technology Education programs consonant with current and future trends in the middle grades. Special emphasis on Explorations in Technology Education and learner-centered instruction. Innovative instructional practices.

- **TECH 492 - Technology Education in the High School**

---

(4)

Prerequisite: TECH 384. Provide students with the background and knowledge needed to implement Technology Education Programs at the high school level. Emphasis will be placed on standards-based curriculum development and instructional methods.

- **TECH 493 - Technology Education Facilities: Planning, Construction, Equipment, and Maintenance**

---

(3)

Prerequisite: TECH 384. Supervision of planning and construction, selection of equipment, and maintenance of educational facilities to support technology education programs at the middle school, high school and post secondary levels.

- **TECH 494 - Industrial and Technology Education Curriculum**

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(4)

Prerequisite: TECH 384. Curriculum development and instructional models for technology education programs at the middle school, high school and post secondary levels.

#### Italian (Undergraduate)

- **ITAL 100A - Elementary Italian**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of

the fundamental structure of the language through hearing, speaking, reading, and writing Italian. Introduction to the customs, culture, and institutions of the Italian people.

**GE C4**

• **ITAL 100B - Elementary Italian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Italian. Introduction to the customs, culture, and institutions of the Italian people.

**GE C4**

• **ITAL 100C - Elementary Italian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Italian. Introduction to the customs, culture, and institutions of the Italian people.

**GE C4**

• **ITAL 200A - Intermediate Italian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Italian; grammar review; vocabulary building; study of the customs, culture, and institutions of the Italian people.

**GE C4**

• **ITAL 200B - Intermediate Italian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Italian; grammar review; vocabulary building; study of the customs, culture, and institutions of the Italian people.

**GE C4**

**Japanese (Undergraduate)**

*All Upper Division courses except 307 are conducted in Japanese*

• **JAPN 100A - Elementary Japanese**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Japanese. Introduction to the customs, culture, and institutions of the Japanese people.

**GE C4**

• **JAPN 100B - Elementary Japanese**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Japanese. Introduction to the customs, culture, and institutions of the Japanese people.

**GE C4**

## • JAPN 100C - Elementary Japanese

---




(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Japanese. Introduction to the customs, culture, and institutions of the Japanese people.

**GE C4**




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## Course Descriptions

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### Japanese (Undergraduate)

*All Upper Division courses except 307 are conducted in Japanese*

#### • **JAPN 150 - Contemporary Japan through Popular Culture**

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(4)

Study of contemporary Japan (i.e., society, cultural identity, and daily life) through examination of its popular culture, such as songs, comics, animation, and films. Taught in English.

#### • **JAPN 200A - Intermediate Japanese**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C4**

#### • **JAPN 200B - Intermediate Japanese**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C4**

#### • **JAPN 200C - Intermediate Japanese**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C4**

#### • **JAPN 300A - Advanced Japanese**

---

(4)

Prerequisite: JAPN 200C. Advanced study of Japanese with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

#### • **JAPN 300B - Advanced Japanese**

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(4)

Prerequisite: JAPN 200C. Advanced study of Japanese with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **JAPN 300C - Advanced Japanese**

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(4)

Prerequisite: JAPN 200C. Advanced study of Japanese with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **JAPN 307 - Japanese Literature in Translation**

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(4)

Study of major works of Japanese literature organized around different themes. Subject matter may change with each offering. No knowledge of Japanese required. May be repeated to a maximum of 8 units for credit as content

- **JAPN 310 - Japanese Civilization to 1600**

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(4)

Prerequisite: JAPN 200C. Origin and development of Japanese culture; religion, thought, literature, art, and patterns of life from Neolithic age to 1600 A.D.

- **JAPN 311 - Japanese Civilization Since 1600**

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(4)

Prerequisite: JAPN 200C. Significant aspects of Japanese culture from 1600 A.D. to present; their evolution, characteristics, and synthesis in modern period.

- **JAPN 315 - Language in Japanese Society**

---

(4)

Prerequisite: JAPN 200C. Study of how language functions in contemporary Japanese society. Politeness, gender, language attitudes, the mechanics of cross-cultural misunderstanding, how language incorporates Japanese social constructs.

- **JAPN 320 - Introduction to Japanese Linguistics**

---

(4)

Prerequisite: JAPN 200C. Overview of Japanese linguistics with comparisons to other languages. Includes Japanese phonetics, phonology, morphology, syntax, pragmatics, and typology.

- **JAPN 380 - Business Japanese**

---

(4)

Prerequisite: JAPN 200C. Intensive study of Japanese used in business; theory and practice of fundamentals of commercial correspondence and negotiations in Japanese.

- **JAPN 395 - Japanese in Community Service**

---

(1–4)

Prerequisites: JAPN 300C; approval by departmental faculty adviser in consultation with EPIC director, and acceptance by community agency. Participation in work of a community agency or campus program utilizing communication skills in Japanese. May be repeated to maximum of 6 units. Graded CR/NC.

- **JAPN 400A - Advanced Reading and Composition**

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(4)

Prerequisite: JAPN 300C. Should be taken in sequence. Improvement of reading ability in modern Japanese; expository writing and use of advanced vocabulary and composition.

### • **JAPN 400B - Advanced Reading and Composition**

---

(4)

Prerequisite: JAPN 300C. Should be taken in sequence. Improvement of reading ability in modern Japanese; expository writing and use of advanced vocabulary and composition.

### • **JAPN 400C - Advanced Reading and Composition**

---

(4)

Prerequisite: JAPN 300C. Should be taken in sequence. Improvement of reading ability in modern Japanese; expository writing and use of advanced vocabulary and composition.

### • **JAPN 403 - Contrastive Analysis of Japanese and English Structures**

---

(4)

Prerequisites: JAPN 300ABC and ENGL 401. Contrastive analysis of structures of Japanese and English describing similarities and differences of each; emphasis on studying structures that cause interference in language learning.

### • **JAPN 408 - Classical Japanese Literature**

---

(4)

Prerequisite: JAPN 300C. Selected works of Japanese prose and poetry from earliest times to 1868. Introduction of classical grammar and vocabulary as needed.

### • **JAPN 410 - Modern Japanese Literature**

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(4)

Prerequisite: JAPN 300C. Selected works of Japanese prose and poetry from 1868 to the present. Literary trends of Meiji, Taisho, and Showa periods.

### • **JAPN 450 - Proseminar: Japanese Linguistics**

---

(4)

Prerequisites: JAPN 300B, JAPN 320, ENGL 401. In-depth study of selected topics in Japanese linguistics. May be repeated to a maximum of 8 units as subject matter changes.

### • **JAPN 454L - Special Topics in Japanese**

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(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest to students in Japanese as announced in Schedule of Classes. May be repeated to maximum of 8 units.

### • **JAPN 454P - Special Topics in Japanese**

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(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest to students in Japanese as announced in Schedule of Classes. May be repeated to maximum of 8 units.



## **JAPN 460 - Proseminar: Masters of Japanese Culture and Thought**

---

(4)

Prerequisite: JAPN 300C. Original works of major figures in Japanese intellectual history. Individual subjects for study change with each offering. May be repeated to a maximum of 8 units as subject matter changes.

### **Journalism (Undergraduate)**

- **JOUR 130 - Introduction to Graphic Arts**  
(also listed as TECH 130)

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(3)

General industrial education course emphasizing the importance of graphic communications in our culture. History, theory, and laboratory-shop practice of varied printing processes, including letterpress, lithography, silk screen, and bookbinding. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **JOUR 391 - University Times**

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(4)

Prerequisites: Passing WPE score; TVF 292 for TVF majors. The development and practice of skills in the journalistic craft of reporting, writing and editing nonfiction. Lecture 3 hours, laboratory 2 hours. May be repeated up to 8 units.

- **JOUR 453 - International Communication Media**

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(4)

Prerequisites: TVF 220, 224 or COMM 150. Description and analysis of media systems (print, audio, and video) as they exist in various countries around the world, and the means by which information is exchanged internationally.

- **JOUR 492 - Radio and Television News Writing**

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(4)

Prerequisites: TVF 292. Analysis and preparation of local news and commercials, introductions and special news features for radio and television.

- **JOUR 499 - Undergraduate Directed Study**

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(2-4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and a final report submitted. May be repeated for credit.

### **Kinesiology (Undergraduate)**

*A student who has completed an intermediate or advanced course may not subsequently receive credit for a lower level course in the same activity.*

*Successful completion of UNIV 400, the Writing Proficiency Examination, is prerequisite to enrollment in all upper division major courses in kinesiology.*

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 498, 499*

- **KIN 101A - Aerobics – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of aerobics and cardiovascular development. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

•

## **KIN 101B - Weight Training – Beginning**

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(1)

Introduction and exploration of the fundamental skills of weight training. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101C - Physical Conditioning – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of strength and cardiovascular conditioning. Skill progression, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units (Activity 2 hours)

## **• KIN 101D - Jogging – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of jogging within a context of individual fitness development. Skill progression, conditioning, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101E - Jazz Exercise – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of jazz exercise and cardiovascular development. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101F - Swimming – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of swimming. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101G - Aqua Aerobics – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of water-based aerobics. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101R - Karate – Beginning**

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(1)

Introduction and exploration of the fundamental skills and strategies of karate. Proper skill development in the areas of blocking, punching, and kicking forms is emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101S - Jujitsu – Beginning**

---

(1)

Introduction and exploration of the fundamental skills and strategies of jujitsu. Proper skill development in the areas of grappling, throwing, and self-defense are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## **• KIN 101T - Judo – Beginning**

---

(1)

Introduction and exploration of the fundamental skills and strategies of Kodokan judo. Proper skill development in the areas of throwing, grappling, and self-defense are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 101U - Self Defense for Women**

---

(1)

Fitness and self-defense activities designed to develop skill and knowledge about street defense for women. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 101V - Yoga – Beginning**

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(1)

Introduction and exploration of the practice of yoga including body positions, balance, and breathing. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 101W - Tai Chi – Beginning**

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(1)

Development of a beginning understanding of Tai Chi Chuan that involves movement's forms, and positions that involve deep tranquil breathing creating a sense of centered wellbeing to help reduce stress, increase balance, and relax the body and mind. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102F - Tennis – Beginning**

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(1)

Introduction and exploration of tennis including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102G - Badminton – Beginning**

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(1)

Introduction and exploration of badminton including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102H - Golf – Beginning**

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(1)

Introduction and exploration of golf including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102I - Archery – Beginning**

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(1)

Introduction and exploration of archery including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102K - Skiing – Beginning**

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(1)

Introduction and exploration of skiing including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102Q - Indoor Soccer – Beginning**

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(1)

Introduction and exploration of the fundamental skills of indoor soccer. Games and activities are designed to develop skill, knowledge of rules

and background and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102R - Volleyball – Beginning**

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(1)

Exploration and introduction of volleyball including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102S - Basketball – Beginning**

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(1)

Introduction and exploration of basketball skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102V - Soccer – Beginning**

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(1)

Introduction and exploration of soccer skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102X - Baseball – Beginning**

---

(1)

Introduction and exploration of baseball skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 102Y - Softball – Beginning**

---

(1)

Introduction and exploration of softball skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 103D - Gymnastics and Tumbling – Beginning**

---

(1)

Introduction and exploration of the fundamental skills of tumbling and basic skills on various gymnastics apparatus. Proper skill progression, conditioning, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 103F - Social Dance – Beginning**

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(1)

Introduction and exploration of social dance skills, cultural ties, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 105 - Summer Bridge**

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(1–2)

Varied experiences for introducing Summer Bridge students to activities presented in the physical education activity program. Health related fitness level assessed. Activity 2 hours per unit. Graded CR/NC.

- **KIN 110 - Intramural Sports**

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(1)

Participation in university intramural sports. Elective credit only; may be repeated to maximum of 16 units. Activity 2 hours minimum. Graded CR/NC.

• **KIN 150 - Fitness and Wellness in Contemporary Society**

---

(4)

Understanding self as integrated physiological, psychological, and sociological being. The impact of sociocultural experiences and health-related fitness on the individual, society and the environment is emphasized. Lecture 3 hours, laboratory 2 hours.

GE E

• **KIN 154 - Special Activities in Physical Education**

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(1)

Varied experiences reflecting current interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Activity 2 hours.

• **KIN 155 - Individual Therapeutic Exercise**

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(1–4)

Prerequisite: Assignment by the University physician or personal physician. Individual programs of exercise for students who have a need for special exercise. Suitable for students with physical limitations or recuperation from accident or illness. May be repeated for credit as many times as indicated by the University physician or personal physician.

• **KIN 201A - Aerobics – Intermediate**

---

(1)

Exploration and development of intermediate aerobic exercise techniques. Skill progression, cardiovascular functioning, individual fitness, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

• **KIN 201B - Weight Training – Intermediate**

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(1)

Exploration and development of intermediate weight training techniques. Skills, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

• **KIN 201F - Swimming – Intermediate**

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(1)

Exploration and development of intermediate swimming techniques. Skills, conditioning, individual fitness, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

• **KIN 201R - Karate – Intermediate**

---

(1)

Exploration and development of intermediate karate skills. Blocking, punching, and kicking forms are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

• **KIN 201V - Yoga – Intermediate**

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(1)

Further development of a deeper and expanded study of the practice of yoga. New positions of balance and pranayama (the art of yogic breathing) are introduced. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 202F - Tennis – Intermediate**

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(1)

Exploration and development of intermediate tennis techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 202R - Volleyball – Intermediate**

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(1)

Exploration and development of intermediate volleyball techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 202S - Basketball – Intermediate**

---

(1)

Exploration and development of intermediate basketball techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 203D - Gymnastics and Tumbling – Intermediate**

---

(1)

Exploration of intermediate skills on various gymnastics apparatus. Students combine basic and intermediate skills to form routines. The importance of proper skill progression, conditioning, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 203F - Social Dance – Intermediate**

---

(1)

Exploration and development of social dance skills, cultural ties, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 204A - Diet and Exercise for Weight Management  
(also listed as NTRS 204A)**

---

(1)

Evaluation of personal diet and exercise patterns. Development, implementation, and evaluation of an individualized diet and exercise plan for weight management. Brief examination of diet and exercise regimens for purposes of weight management; importance of combining a healthy diet and appropriate exercise in daily activities. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 250 - Introduction to Kinesiology**

---

(4)

Introduction to the discipline of kinesiology; examination of the study of physical activity from the perspectives of experience, research, and professional practice.

\*C-ID KIN 100

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **KIN 254L - Selected Topics in Physical Education**

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(1–3)

Current activities, new and varied, of interest to general student body, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

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• **KIN 254P - Selected Topics in Physical Education**

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(1–3)

Current activities, new and varied, of interest to general student body, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

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• **KIN 260 - Computer Applications in Kinesiology**

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(2)

Prerequisite: Completion of the computing basics self-paced online learning module for KIN Majors. Application of personal computers in Kinesiology and physical education. Emphasis on delivery of discipline related content through available computing technology. Develop familiarity with current discipline specific software. Lecture 1 hr, laboratory 3 hrs

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• **KIN 301F - Swimming – Advanced**

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(1)

Exploration and development of advanced swimming techniques. Skills, conditioning, individual fitness, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

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• **KIN 302F - Tennis – Advanced**

---

(1)

Exploration and development of advanced tennis techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

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• **KIN 302G - Badminton – Advanced**

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(1)

Exploration and development of advanced badminton techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

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• **KIN 302R - Volleyball – Advanced**

---

(1)

Exploration and development of advanced volleyball techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

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• **KIN 304A - Lifeguard Training**

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(3)

Prerequisite: Ability to swim 500 yards continuously and consent of instructor. Follows the American National Red Cross program for lifeguarding certification. Including the ability to apply rescue techniques and water front lifeguarding skills. Lecture 1 hour, laboratory 4 hours.

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• **KIN 305 - Theory and Analysis of Aquatics**

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(3)

Prerequisite: Intermediate swimming skills. Must pass American Red Cross swim exam. Theory and analysis of performance techniques, historical knowledge, safety procedures, and conditioning. Enables students to become certified in Water Safety Instruction through the American Red Cross. Lecture 2 hours, demonstration-laboratory 2 hours.

- **KIN 310 - Written Communication for Kinesiology**

---

(4)

Prerequisite: Successful completion of the Graduation Writing Assessment Requirement (GWAR). Written communication skills for the Kinesiology major with emphasis on techniques of writing formal reports, public relations information, and essays.

- **KIN 315 - Early Infusion in Physical Education**

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(4)

Corequisite: KIN 250. Practical experiences in a school setting. Observation and participation under the direction of a professional at elementary/secondary physical education program site.

- **KIN 319 - Instructional Strategies in Physical Education**

---

(4)

Corequisite: KIN 315. Effective teaching strategies in physical education; pedagogical behaviors necessary for effective instruction on the subject matter. Effective teaching of physical education in both elementary and secondary schools.

- **KIN 320A - Professional Team Activity #1 - Basketball, Volleyball, Team Handball**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to the basic team activities of basketball, volleyball and team handball; teaching methods in school physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 320B - Professional Team Activity #2 - Flag Football, Soccer, Softball**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to the basic team activities of flag football, soccer, softball; teaching methods in school physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 320C - Professional Individual Activity - Archery, Golf, Track and Field**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to the basic individual activities of archery, golf and track and field, teaching methods in school physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 320D - Professional Racquet Activity - Badminton, Racquetball, Tennis**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to the basic racquet activities of badminton, racquetball, tennis, teaching methods in school physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 320E - Professional Aesthetic Activity - Combatives, Dance, Rhythmic Gymnastics**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to basic aesthetic activities of combatives, dance, and rhythmic gymnastics; teaching methods in school physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 320F - Professional Adventure Activity – Outdoor Education, Aquatics, Contemporary Games**

---

(3)

Prerequisites: KIN 315 and 319. Introduction to the basic outdoor education, aquatics and contemporary games, teaching methods in school



physical education programs; developing and refining basic skills for performances; rules, safety and equipment.

- **KIN 325 - Principles of Physical Fitness**

---

(4)

Prerequisites: BIOL 200AB. Prerequisite or Corequisite: KIN 310. Designing and conducting cardiovascular, resistance, and flexibility training programs for lifelong health and fitness.

- **KIN 330 - Exercise Psychology**

---

(4)

Prerequisite: PSY 150. Psychological issues associated with exercise prescription. Strategies for increasing exercise adherence.

- **KIN 335 - Anatomical Kinesiology**

---

(4)

Prerequisites: BIOL 200AB. Structure and function of the musculoskeletal system in relation to human movement. Lecture 3 hrs, laboratory 3 hrs.

- **KIN 340 - Applied Biomechanics**

---

(5)

Prerequisites: Prerequisites: MATH 102, MATH/ECON 109; PHYS 156 and BIOL 200B. Prerequisite or Corequisite: KIN 310. Analysis of anatomical and mechanical bases for efficiency of human movement. Lecture 4 hours, laboratory 3 hours.

- **KIN 345 - Physiological Effects of Exercise During Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Age-related physiological changes with mature adults, and the impact of physical activity on physical capacity. Some sections of this course will include service learning as an option.

**GE Theme F**

- **KIN 360 - Physiology of Exercise and Physical Activity**

---

(5)

Prerequisites: MATH 102, MATH/ECON 109, and BIOL 200B. Prerequisite or Corequisite: KIN 310. Analysis of physiological bases of effect of movement and stress on human organism; factors affecting conditioning.

- **KIN 365 - Applied Motor Learning**

---

(4)

Prerequisites: MATH 102; MATH/ECON 109. Prerequisite or Corequisite: KIN 310. Theory and research on how movements are controlled, learned and changed as a result of practice and/or experience. Synthesis of theory with skill acquisition is emphasized. Lecture 3 hours, laboratory 3 hours.

- **KIN 370 - Psychomotor Development**

---

(4)

Prerequisites: BIOL 200B; PSY 150; SOC 201. Prerequisite or Corequisite: KIN 310. Analysis of the development of human motor skills from infancy to older adulthood.

- **KIN 375 - Historical Analyses of Physical Activity**

---

(4)

Prerequisite: KIN 250. Prerequisite or Corequisite: KIN 310. Historical perspective of the development of physical activity programs; includes information about relevant philosophies in historical periods covered.

## • **KIN 380 - Psychological Analyses of Physical Activity**




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(4)

Prerequisites: PSY 150 and SOC 201. Prerequisite or Corequisite: KIN 310. Discussion of theory-based research in motivation, arousal, aggression, personality, and audience effects, as applied to physical activity settings.

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## Course Descriptions

### Kinesiology (Undergraduate)

*A student who has completed an intermediate or advanced course may not subsequently receive credit for a lower level course in the same activity.*

*Successful completion of UNIV 400, the Writing Proficiency Examination, is prerequisite to enrollment in all upper division major courses in kinesiology.*

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 498, 499*

#### • **KIN 385 - Sociocultural Analyses of Physical Activity**

---

(4)

Prerequisites: PSY 150 and SOC 201. Prerequisite or Corequisite: KIN 310. Sociocultural analyses of sport, exercise, and other physical activities; focus on the United States and Canada.

#### • **KIN 400 - Elementary School Physical Education Program Design**

---

(4)

Prerequisites: KIN 320A-F. Current elementary curricular and instructional practices, models of elementary physical education programs; strategies for effective teaching in a school setting; design and implementation of appropriate curriculum content.

#### • **KIN 405 - Secondary School Physical Education Program Design**

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(4)

Prerequisites: KIN 319, four courses from KIN 320 A-F. Development of meaningful and effective physical education curricula for middle school and high school student populations.

#### • **KIN 415 - Assessment of Physical Activity Instruction**

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(4)

Prerequisites: KIN 319. Theoretical understanding of evaluating and investigating physical education teaching effectiveness; current educational evaluation trends; emphasis on current technologies of assessment for physical education instruction.

#### • **KIN 420 - Development of Physical Activity**

---

(3)

Movement experiences related to children's health and learning; health promotion and disease prevention through exercise; fundamental movements; models of elementary physical education programs; teaching strategies; curriculum design and lesson planning. Lecture 2 hours, activity 2 hours.

#### • **KIN 421 - Youth Development and Physical Activity**

---

(4)

Prerequisite: YAA 290. Knowledge and skills of physical activity programming to assist underserved youth in the community.

- **KIN 422 - Community Service Learning and Physical Activity Programs**

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(4)

Prerequisite: KIN 421. Classroom and field-based experiences for students interested in using physical activity programs to assist in community development. This course requires service learning.

- **KIN 425 - Dimensions of Kinesiology for Individuals with Disabilities**

---

(4)

Prerequisite: KIN 250; Prerequisite or Corequisite: KIN 310. Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science for students completing the Physical Education Single Subject Teaching options and, Community Leadership option. Conditions requiring special physical education including: learning disabilities, retardation, neurological and orthopedic conditions. Lecture 3 hours, practical teaching in programs for exceptional students 2 hours.

- **KIN 428 - Psychomotor Assessment for Individuals With Disabilities**

---

(3)

Prerequisite: KIN 425. Study of prevalent disabilities, with implications for evaluation and diagnosis of motor problems utilizing assessment tools to develop specially designed instructional programs. Practical experience with assessment required.

- **KIN 430 - Clinical Techniques: Rehabilitation Modalities**

---

(4)

Introduction to stretching and massage techniques for use in exercise therapies for individuals with physical impairments. Lecture 3 hours; Laboratory 3 hours.

- **KIN 431 - Low-Incidence Disabilities: Physical Activity Programming and Instruction**

---

(3)

Prerequisites: KIN 425. Corequisite: KIN 480B. Etiology, movement characteristics, learning problems of individuals with low-incidence disabilities in physical activity, including: severe/profound mental retardation, visual and hearing impairments, multiple disabilities, autism and traumatic brain injury.

- **KIN 433 - High-Incidence Disabilities: Physical Activity Programming and Instruction**

---

(3)

Prerequisites: KIN 425. Corequisite: KIN 480B. Problems of pupils with high-incidence disabilities in physical activity context; implications for physical education program development.

- **KIN 435 - Physical Disabilities and Other Health Impairments: Physical Activity Programming and Instruction**

---

(3)

Prerequisite: KIN 425. Corequisite: KIN 480B. Study of prevalent physical disabilities and other health impairments: implications for program development, organization, administration, and evaluation of adapted physical education students in elementary and secondary schools.

- **KIN 436A - Principles of Mobility Training**

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(4)

Prerequisites: BIOL 200A, BIOL 200B, and concurrent enrollment in KIN 436B. Introduction to mobility training techniques such as range of motion, flexibility, manual resistance exercises, posture, balance and gait training.

- **KIN 436B - Mobility Training Practicum**

---

(2)

Prerequisite: KIN 436A (or concurrent enrollment in KIN 436A) Application of mobility training to physically impaired clients. May be repeated for a maximum of 12 units. Service learning is required.

- **KIN 437 - Disease and Plasticity in Neuromuscular Systems**

---

(4)

Prerequisite: Upper division standing. Introduction to neuromuscular diseases and exercise-induced plasticity in neuromuscular systems.

- **KIN 438A - Principles of Exercise for Older Adults**

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(5)

Prerequisite: KIN 325. Analyses of development and implementation processes of exercise programs for older adults.

- **KIN 438B - Field Experience in Exercise for Older Adults**

---

(1)

Prerequisite: KIN 438A. Directed practicum in an exercise program for older adults in a community setting. Regular conferences with supervisor. May be repeated for a maximum of 6 units. Service learning is required.

- **KIN 439 - Rehabilitation Exercise Machines**

---

(3)

Prerequisite: KIN 340. Practical understanding of the function, design and selection of exercise machines. Understanding and addressing the special needs of users with a disability. May be repeated for a maximum of 9 units. Service learning is required.

- **KIN 440 - Psychosocial Aspects of Exercise During Aging**

---

(4)

Prerequisite: Upper division standing. Psychological and social issues pertinent to exercise and physical activity for older adults.

- **KIN 441 - Gender, Sport, and Culture**  
(also listed as WOMN 441)

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(4)

Prerequisite: Upper division standing. Examination of the gendered nature of sport and physical activity. Analyzes theoretical and methodological assumptions pertaining to gender and physical activity/sport contexts. The feminist critique of socio-cultural sport studies is also considered.

- **KIN 454L - Special Topics in Physical Education**

---

(1–4)

Prerequisite: Varies with topic. Current issues and interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Lecture and activity.

- **KIN 454P - Special Topics in Physical Education**

---

(1–4)

Prerequisite: Varies with topic. Current issues and interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Lecture and activity.

- **KIN 455 - Principles of Clinical Exercise Testing**

---

(4)

Prerequisite: KIN 360. Diagnostic and prognostic aspects of clinical exercise testing, which provide information that could not be provided by testing patients at rest. Special consideration of exercise electrocardiography . Lecture 3 hours; Laboratory 3 hours.

- **KIN 456 - Sport and Exercise Ergogenic Aids**

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(4)

Prerequisite: KIN 360. Relevant issues in ergogenic aids and sport. Pharmacological and hormonal aids; dietary requirements and issues of individuals who engage in exercise and sport.

- **KIN 460 - Principles of Physical Fitness Assessment**

---

(5)

Prerequisite: KIN 360. Physical fitness and performance assessment techniques employed within the laboratory environment: electrocardiography, electromyography, closed and open circuit indirect calorimetry, stress testing, hydrodensitometry, respirometry and cardiocirculatory. Lecture 4 hours; Laboratory 3 hours.

- **KIN 461 - Advanced Exercise Physiology**

---

(5)

Prerequisite: KIN 360. Advanced topics in exercise physiology, including exercise responses in the neuroendocrine, cardiopulmonary, immune, and skeletal systems. Topics will also include system-level integration during exercise, and exercise in stressful environments. Lecture 4 hours; Laboratory 3 hours.

- **KIN 465 - Principles of Exercise Prescription**

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(5)

Prerequisite: KIN 460. Development and implementation of exercise prescription for aerobic endurance, anaerobic endurance, strength, flexibility, and optimal body composition in apparently healthy, special, and general populations. Lecture 4 hours; Laboratory 3 hours.

- **KIN 475A - Field Experience in Elementary Physical Education**

---

(3)

Prerequisites: KIN required core courses and KIN 319, KIN 320 A-F, KIN 400, KIN 405, KIN 415. Submission of a Certificate of Clearance to course instructor. Laboratory experience in application of organization and management techniques related to effective conduct of physical education. Emphasis on application for elementary school level physical education class. Laboratory/practicum 9 hours.

- **KIN 475B - Field Experience in Secondary Physical Education**

---

(3)

Prerequisites: KIN required core courses and KIN 319, KIN 320 A-F, KIN 400, KIN 405, KIN 415. Submission of a Certificate of Clearance to course instructor. Laboratory experience in application of organization and management techniques related to effective conduct of physical education. Emphasis on application for secondary school level physical education class. Laboratory/ practicum 9 hours.

- **KIN 480A - Educational Field Experiences in Adapted Physical Education**

---

(1)

Prerequisite: Permission of instructor. Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science. Educational practices in teaching adapted physical education; processes and application of methods, materials, and individualized instructional units in meeting the needs of individuals with disabilities. Course may be repeated for a maximum of 2 units. Laboratory hours: 30.

- **KIN 480B - Clinical Field Experiences in Adapted Physical Education**

---

(1)

Corequisites: KIN 431, 433 or 435. Prerequisite: Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science. Clinical practice in teaching adapted physical education; processes and application of methods, materials, and individualized instructional units in meeting the needs of individuals with disabilities. Course may be repeated for a maximum of 3 units. Laboratory hours: 30-90.

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• **KIN 485A - Practicum in Exercise and Human Performance**

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(2)

Prerequisite: KIN 465. Directed on-campus practicum in a career related setting. Regular conferences with supervisor. Total of 100 hours. Graded CR/NC

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• **KIN 485B - Field Experience in Exercise and Human Performance**

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(4)

Prerequisite: Upper division standing. Directed practicum in a career-related role in a community setting. Regular conferences with supervisor. Total of 200 hours. Graded CR/NC.

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• **KIN 490 - Capstone Seminar in Physical Education**

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(4)

Prerequisites: KIN required core courses and KIN 319, KIN 320 A-F, KIN 400, KIN 405, KIN 415. Submission of a Certificate of Clearance to course instructor. Seminar setting to discuss and synthesis issues related to physical education teaching; emphasis on evaluation and application of knowledge gained throughout the degree program. Service learning required.

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• **KIN 491 - Capstone Seminar in Adapted Physical Education**

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(4)

Prerequisite: KIN 480B. Seminar approach to examination of physical activity across the lifespan for individuals with disabilities, including current topics of interest.

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• **KIN 495A - Early Directed Field Experience in Community Leadership**

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(3)

Prerequisites: KIN Core Courses, submission of Certificate of Clearance to course instructor, and consent of instructor. Student placement to provide experiential learning in leadership of physical activity programs under supervision in a community agency or school setting. The focus is observing physical activity programming for underserved youth. Graded CR/NC. If students receive a "NC" they may repeat the entire course only once.

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• **KIN 495B - Advanced Directed Field Experience in Community Leadership**

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(3)

Prerequisites: KIN Core Courses, KIN Community Leadership Option Courses, submission of Certificate of Clearance to course instructor, and consent of instructor. Student placement to provide experiential learning in leadership of physical activity programs under supervision in a community agency or school setting. The focus is delivering physical activity programming for underserved youth. Graded CR/NC. If students receive a "NC" they may repeat the entire course only once.

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• **KIN 496 - Capstone Seminar in Exercise and Human Performance**

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(4)

Prerequisites: KIN 485B. Integration of concepts of other courses in both the exercise and human performance option and the core; provision of a forum for sharing experiences obtained in the practicum and field experience; preparation for certifications in exercise science provided by various professional organizations.

## **KIN 497 - Projects**

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(1–3)  
Projects

- **KIN 498 - Cooperative Education – Advanced**  
(see UNIV 498)

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(2)  
Cooperative Education – Advanced

- **KIN 499 - Undergraduate Directed Study**

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(1–4)  
Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated for credit.

### **Kinesiology (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 498, 499*

Classified graduate standing is required for admission to 500-level courses.

- **KIN 503 - Applied Statistics in Kinesiology**

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(4)  
Prerequisite: Undergraduate introductory course in statistics. Analysis of variables related to kinesiology, application of statistical procedures in basic research design.

- **KIN 504 - Research Design in Kinesiology**

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(5)  
Prerequisites: KIN 503 or consent of instructor; undergraduate major in Kinesiology or related discipline. Must be completed within first 12 units of the student's approved program. Analysis, evaluation, and interpretation of research studies and investigations in kinesiology.

- **KIN 507 - Cultural Analyses of Sport in the United States**

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(4)  
Prerequisite: Consent of instructor. Examination of research focused on cultural analyses of sport as a sociocultural system with an emphasis on diverse populations. Focuses on theoretical and conceptual issues in the sociology of sport.

- **KIN 535 - Organizational Strategies for Adapted Physical Education**

---

(4)  
Prerequisite: KIN 491. Advanced techniques for program, curriculum development in adapted physical education; effect of current legislation on roles and responsibilities of adapted physical educators; design and development of curricular materials for urban and rural environments.

- **KIN 536 - Seminar: Issues in Adapted Physical Education**

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(4)  
Prerequisite: KIN 491. Individual survey and analysis of current issues in administration, supervision, instruction, curriculum, and assessment in adapted physical education.



- **KIN 545 - Research on Effective Teaching in Physical Education**

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(4)

Methods for research on teaching in physical education; knowledge of research results related to teaching and teacher effectiveness; and current trends in research on effective teaching in physical education.

- **KIN 546 - Analysis of Physical Education Programming**

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(4)

Prerequisite: Consent of instructor. Examination of scholarly literature concerning principles of program development and analysis; consideration of internal and external influences on program design; comparative analyses of contemporary school-based program models.

- **KIN 548 - Physical Activity Program Leadership**

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(4)

Prerequisite: Consent of instructor. Analysis of research concerning skills to lead, manage, and assess physical activity programs: advocacy; staff management, development and supervision; public relations and marketing; fundraising; assessing program needs. Service learning required.

- **KIN 549 - Portraits of Physical Activity Experiences**

---

(4)

Prerequisite: Consent of instructor. Analysis and critique of research concerning experiences of physical activity participants, including children in school and community settings, and adults across the age span in a variety of community settings.

- **KIN 554 - Selected Topics in Kinesiology**

---

(4)

Advanced study of selected contemporary topics in Kinesiology. May be repeated a maximum of 12 units as topics change.

- **KIN 555 - Community Development and Physical Activity Programming**

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(4)

Prerequisite: Consent of instructor. Examination and analysis of research on community development utilizing an asset-based model; application of knowledge to promote physical activity programs that support building and strengthening communities.

- **KIN 560 - Cardiorespiratory Aspects of Human Performance**

---

(4)

Prerequisite: Consent of instructor. In-depth analysis of research concerning the functions of cardiovascular and pulmonary systems during rest, physical performance and recovery and their adaptation to exercise training. Seminar 3 hours, laboratory 3 hours.

- **KIN 561 - Neuromuscular Aspects of Human Performance**

---

(4)

Prerequisite: Consent of instructor. Analysis of research concerning neuromuscular factors involved in human movement. Special emphasis upon the nervous and muscular systems related to the expression and enhancement of muscular strength, endurance and power. Lecture 3 hours, laboratory 3 hours.

- **KIN 562 - Exercise Interventions in Cardiac Rehabilitation**

---

(4)

Prerequisite: Consent of instructor. Analysis of research concerning development and administration of cardiac rehabilitation programs with a special emphasis on exercise testing, prescription, and training of cardiac patients in outpatient phases.

- **KIN 563 - Exercise Interventions in Neuromuscular Rehabilitation**

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(4)

Prerequisite: Consent of instructor. Examination and analysis of state-of-the-art rehabilitation practices, research knowledge, and theories for regaining movement after neuromuscular injuries.

- **KIN 564 - Exercise Interventions for Special Populations**

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(4)

Prerequisite: Consent of instructor. Examination of research concerning physiological responses and adaptations to exercise of special populations. Includes exercise testing and prescription. Emphasis on exercise limitations and responses which differ from normal populations.

- **KIN 565 - Endocrine Aspects of Human Performance**

---

(4)

Prerequisites: BIOL 200AB and consent of instructor. In-depth analysis of the normal and abnormal functions of the endocrine system during rest, physical performance, and recovery, and the system's adaptation to exercise training.

- **KIN 580 - Exercise Psychology**

---

(4)

Prerequisite: Consent of instructor. Psychological issues associated with exercise and physical activity. Analysis and critique of research and theory relevant to exercise adherence, motivation, self-efficacy, and attributional style. Practical applications of theoretical concepts.

- **KIN 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **KIN 598 - Graduate Directed Study in Kinesiology**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics; regular conferences with sponsor. Maybe repeated to a maximum of 12 units.

- **KIN 599 - Thesis or Project**

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(1–6)

Prerequisites: Advancement to candidacy, consent of student's graduate adviser to act as sponsor. Independent research resulting in a thesis, or independent project that applies theoretical knowledge to professional problem solving. Must be repeated to a maximum of 6 units. Graded CR/NC.

#### **Korean (Undergraduate)**

- **KOR 100A - Elementary Korean**

---

(4)

Prerequisites: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Korean. Introduction to the customs, culture, and institutions of the Korean people.

**GE C4**

- **KOR 100B - Elementary Korean**

---

(4)

Prerequisites: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Korean. Introduction to the customs, culture, and institutions of the Korean people.

**GE C4**

- **KOR 100C - Elementary Korean**

---

(4)

Prerequisites: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Korean. Introduction to the customs, culture, and institutions of the Korean people.

**GE C4**

- **KOR 200A - Intermediate Korean**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Korean; grammar review; vocabulary building; study of the customs, culture, and institutions of the Korean people.

- **KOR 200B - Intermediate Korean**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Korean; grammar review; vocabulary building; study of the customs, culture, and institutions of the Korean people.

- **KOR 200C - Intermediate Korean**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical development of intermediate communicative skills in Korean; grammar review; vocabulary building; study of the customs, culture, and institutions of the Korean people.

- **KOR 230 - Intensive Intermediate Korean for Non-Heritage Speakers**

---

(12)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog; KOR 100C or equivalent; permit from department. Methodical development of intermediate communicative skills in Korean; study of the customs, culture, and institutions of the Korean people.

- **KOR 231 - Intensive Intermediate Korean for Heritage Speakers**

---

(12)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog; ability to speak Korean, and basic knowledge of written Korean or KOR 100C; permit from department. Methodical development of intermediate communicative skills particularly in written Korean; study of the customs, culture, and institutions of the Korean people.

- **KOR 300A - Advanced Korean**

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(4)

Prerequisite: KOR 200C. Advanced study of Korean with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **KOR 300B - Advanced Korean**

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(4)

Prerequisite: KOR 200C. Advanced study of Korean with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **KOR 300C - Advanced Korean**

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(4)

Prerequisite: KOR 200C. Advanced study of Korean with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **KOR 395 - Korean in Community Service**

---

(1–6)

Prerequisite: KOR 300C. Approval of departmental faculty advisor in consultation with EPIC director, acceptance by community agency. Participation in work of a community agency or program utilizing communication skills in Korean. May be repeated to maximum of 6 units. Graded CR/NC.

- **KOR 397 - Field Work in Korean**

---

(1–6)

Prerequisite: KOR 300C. To be established by coordinator in consultation with host organizations. Field work and internships in occupations in which communication skills in Korean can be used and perfected. May be repeated to maximum of 6 units. Graded CR/NC.

#### Latin (Undergraduate)

- **LATN 100A - Elementary Latin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through reading and translating Latin classics. Introduction to roman contributions to western culture.

**GE C4**

- **LATN 100B - Elementary Latin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through reading and translating Latin classics. Introduction to roman contributions to western culture.

**GE C4**

- **LATN 100C - Elementary Latin**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through reading and translating Latin classics. Introduction to roman contributions to western culture.

**GE C4**

- **LATN 354 - Special Topics in Latin**

---

(1–4)

Prerequisite: As needed for specific topic. Topics of special interest to students of Latin as announced in Schedule of Classes. May be repeated to maximum of 8 units for credit.

### **Latin American Studies (Undergraduate)**

*All 400-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: LAS 497AB.*

- **LAS 102 - The African Diaspora in the United States**  
(also listed as PAS 102)

---

(4)

Diversity among the varied people of African descent in the United States and their relation to the dominant society. GE D

**GE D ; Approved diversity course**

- **LAS 108 - Comparative Ethnic Studies**  
(also listed as CHS, AAAS, PAS 108)

---

(4)

This survey course examines comparatively the notions of "race" and ethnicity, the exploitation based on these statuses, and the resulting resistance and multi-ethnic social movements in the U.S. and elsewhere.

- **LAS 140 - Introduction to Globalization, Race, and Place**  
(also listed as AAAS 140 and PAS 140)

---

(4)

Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race.

- **LAS 150 - Introduction to Latin American Studies**

---

(4)

A multidisciplinary introduction to the history, peoples, social structure, and geography of Latin America with emphasis on the formation of its diverse societies.

**GE D ; Approved diversity course**

- **LAS 255 - Diverse Latin American Populations in Southern California**  
(also listed as CHS 255)

---

(4)

The formation of and differences among the varied Latin American people in the Southern California region and their participation in contemporary society.

**GE D ; Approved diversity course**

- **LAS 320 - Mesoamerican Civilization**  
(also listed as ANTH/ART/CHS/HIST 320)

---

(4)

This is an interdisciplinary course that critically examines Mesoamerica as a civilization, with an emphasis on art, archaeology, literature, and cultural history.

- **LAS 335 - Race and Culture in the Americas**  
(also listed as CHS 335)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Comparative study of race and ethnicity as expressed in the arts and culture of Latin America, the Caribbean and the United States.

**GE Theme H ; Approved diversity course**

• **LAS 342 - Cultural Impact of Development**  
(also listed as PAS 342)

---

(4)

Prerequisites: Completion of G.E. Basic Subjects (Block A) and one course from Block C. Impact of colonialism, neocolonialism and globalization on art, literature, music and identity in developing countries.

**GE Theme A ; Approved diversity course**

• **LAS 360 - Dynamics of Change in the Developing World**  
(also listed as PAS and POLS 360)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Case studies illustrating why the Third World came into being and how it is changing in the context of the globalized world economy.

**GE Theme A ; Approved diversity course**

• **LAS 395 - Community Service in Latin American Studies**

---

(1–4)

Prerequisites: Approval by departmental faculty adviser, acceptance by a community agency. Participation as a volunteer in work of a community agency or activity utilizing professional and/or vocational skills in service to community. Graded CR/NC. May be repeated to maximum of 9 units.

• **LAS 404 - The Central American Experience in the US**  
(also listed as CHS 404)

---

(4)

Prerequisite: CHS 111 or CHS/LAS 255. Aspects of the Central American experience in the U. S. with emphasis on the transnational connections between the countries of origin and the communities of residence in the U. S.

• **LAS 408 - Comparative Diaspora Studies**  
(also listed as AAAS, PAS, CHS 408)

---

(4)

Prerequisite: Any lower division course in AAAS, PAS, CHS or LAS. The course is a comparative examination of diaspora among principally Africans, Asians and Latin Americans emphasizing the conditions of dispersal, the patterns of settlement, and the formations of global tribes.

• **LAS 423 - Migration, Identity, and Religion**  
(also listed as CHS 423 and RELS 423)

---

(4)

Examines the role of Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

• **LAS 424 - The United States and Latin America**

---

(4)

Examination and analysis of relations between the U.S. and Latin American nations; the inter-American system.

- **LAS 425 - Latin American Responses to Imperialism and Globalization**

---

(4)

The impact upon Latin America of U.S. world hegemony and the process of globalization and Latin American response to these forces. Major international issues confronting Latin America.

- **LAS 430 - Cuba and the World**

---

(4)

An overview of Cuban society, politics and popular culture as well as its situation in the world.

- **LAS 449 - Anthropology of Race and Racism**  
(also listed as ANTH 449, AAAS 449, and CHS 449)

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(4)

This course examines the anthropological ideas of race, its emergence, and its relationship to the constructions of racisms and racializations in comparative settings and in contemporary situations.

- **LAS 450 - Special Studies in Latin American Studies**

---

(1–4)

Prerequisites: Upper division standing, others as needed for specific topic. Selected topics in Latin American Studies differ each quarter; examined in manner of undergraduate seminar; individual readings, written/oral reports, discussion. Repeatable to maximum of 12 units as subject matter changes.

- **LAS 465 - Gender, Sexuality, and Transnational Migration**  
(also listed as CHS 465 and WOMN 465)

---

(4)

Explores international migration through the lens of gender and sexuality. Interdisciplinary examination of perspectives on socio-economic and legal issues affecting the lives, identities, and narratives of transnational (im)migrants.

- **LAS 470 - Labor and Social Movements in the Americas**

---

(4)

A theoretical and historical overview of labor and social movements in the Americas with an emphasis on 1945 to the present. Four hours of lecture/discussion; service learning option.

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# Course Descriptions

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## Latin American Studies (Undergraduate)

*All 400-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: LAS 497AB.*

- **LAS 482 - Latin American Women's Movements**  
(also listed as CHS 482 and WOMN 482)

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(4)

Examines Latin American women's movements and feminist organizing in the U.S., Mexico, Central America, South America and the Caribbean.

- **LAS 497A - Interdisciplinary Approaches to Latin American Studies**

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(4)

Prerequisites: LAS 150, Satisfactory completion of the Graduate Writing Assessment Requirement (GWAR). Reading ability in Spanish or Portuguese. Changing perspectives and varied methodological approaches to Latin America over the past five decades; selection of research topic; bibliography preparation.

- **LAS 497B - Research and Writing on Selected Latin American Topics**

---

(4)

Prerequisite: LAS 497A. Senior course. Development of research skills and paper in English on topic selected in LAS 497A.

- **LAS 499 - Undergraduate Directed Study**

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(1-4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and final report submitted. May be repeated



for credit.

### **Latin American Studies (Graduate)**

All 400-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: LAS 497AB.

Classified graduate standing is required for admission to all 500-level courses.

- **LAS 508 - Seminar: Latin American Social Systems**

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(4)

Recommended prerequisites: ANTH 404 or 408, reading competence in Spanish or Portuguese. Analysis of selected aspects of contemporary Latin American social systems. May be repeated for credit.

- **LAS 590 - Interdisciplinary Seminar: Latin American Studies**

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(4)

Prerequisite: LAS 497AB. Interdisciplinary investigation and discussion of selected Latin American topics. May be repeated for credit.

- **LAS 596 - Comprehensive Examination**

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(0)

See *Comprehensive Examination* in the requirements for the Masters Degree section.

- **LAS 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **LAS 599 - Thesis**

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(1–9)

Prerequisites: Instructor consent to act as sponsor, approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 9 units. Graded CR/NC.

## **Liberal Studies (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser*

- **LBS 234 - Multicultural Arts, L. A.**

---

(4)

Cultural, historical, social context for community/ municipal arts in L.A. (performance, visual, musical, literary). Emphasis on race, ethnicity, class, gender, sexuality, and youth. Attend performances/museums; discussion with artists/experts. Some course sections may offer a service learning option.

**GE C2 ; Approved diversity course**

- **LBS 301 - Interdisciplinary Investigation**

---

(4)

Prerequisite: ENGL 102. Principles and techniques of interdisciplinary problem solving, nature and limitations of knowledge, evaluation of evidence, strategy and methods of integrating materials drawn from different disciplines. Requires concurrent enrollment in LBS 302 for Liberal Studies majors.

- **LBS 302 - Writing the Interdisciplinary Essay**

---

(2)

Prerequisites: ENGL 102. Principles and techniques of interdisciplinary research, critical analysis, and writing. Requires concurrent enrollment in Liberal Studies 301.

- **LBS 360 - Interdisciplinary Approaches to Culture and Society**

---

(4)

Prerequisite: LBS 301 and LBS 302. Examination of interdisciplinary modes of cultural and social inquiry. Introduces concepts, theories, and methods of cultural analysis. Application to historical or contemporary issues and problems of diversity and everyday life.

- **LBS 386 - Gender in Science**

---

(4)

Prerequisites: Completion of GE Basic Subjects (Block A) and at least one course each from Blocks B, C, and D. Interdisciplinary exploration of scientific conceptions of gender and the effects of gender ideology on the history of science from the Scientific Revolution to the present.

## GE Theme C

- **LBS 390 - Race, Class, and Gender in the Classroom**

---

(4)

Prerequisites: LBS 301 and LBS 360, or permission from instructor. Critical examination of the effects of race, ethnicity, socioeconomic class, and gender as they are experienced in educational settings. Emphasis on the cultural reproduction of values in the learning process.

- **LBS 395 - Sociocultural Impact of Globalization for the Developing World  
(Also listed as COMM 395)**

---

(4)

Prerequisite completion of the lower division GE Basic Subjects, and at least one course each from Blocks B, C, and D. Critical examination of globalization and its economic, political, and sociocultural challenges for the developing world. Emphasis on globalizing institutions, transborder flows, international communication, social change, and cultural identity.

## GE Theme A

- **LBS 410 - National Identity, Race, and Popular Culture**

---

(4)

Prerequisite: LBS 301. Interdisciplinary focus on the formation of national identities; examines relationship between race, national identity and popular culture through fiction, film, music, consumerism, and cultural institutions such as written media, schools, and museums.

- **LBS 420 - Science, Culture, and Representation**

---

(4)

Prerequisite: LBS 301. Interdisciplinary study of how science is represented in cultural texts—such as literature, film, and TV; also an emphasis on scientific texts as literature to examine how culture is embedded in science.

- **LBS 422 - Asian Americans in Science and Literature  
(also listed as AAAS 422)**

---

(4)

Prerequisites: ENGL 102, upper division standing. Interdisciplinary exploration of how Asians have been represented - and how Asian Americans have represented themselves - in relation to science and technology.

- **LBS 454 - Selected Topics in Liberal Studies**

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(1–4)

Prerequisites: Upper division standing, and others as needed for specific topic. Intensive study of selected topic from interdisciplinary perspective; subjects vary. May be repeated to a maximum of 8 units for credit.

- **LBS 460 - Cultural Studies: Theories and Methods**

---

(4)

Prerequisite: LBS 360. Theories and methods of Cultural Studies as an interdisciplinary mode of social inquiry. Overview of historical, theoretical, and methodological underpinnings. Exploration of cultural identity, struggle, and representation.

- **LBS 489 - Senior Project**

---

(4)

Prerequisites: Satisfactory completion of the graduation writing assessment requirement (WPE/GWAR), LBS 360, senior standing. Advanced principles and techniques of interdisciplinary research, including research and methodology; supervised senior project. Requires concurrent enrollment in LBS 490.

- **LBS 490 - Proseminar in Liberal Studies**

---

(4)

Advanced interdisciplinary study of structure and practice of knowledge at key institutional sites such as the family, school, media, and arts; and government. Requires concurrent enrollment in LBS 489.

- **LBS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Instructor consent to act as sponsor, approval of coordinator, minimum 2.5 grade point average. Projects must be approved before registration, progress meetings held regularly, and final report submitted. May be repeated for credit.

### Library Course (Undergraduate)

- **LIBR 150 - Introduction to Information Literacy and Research Skills**

---

(1)

Develops effective and efficient skills for identifying, retrieving, and critically evaluating electronic, print, and Internet sources. Assists students in preparing information literate papers and presentations. Graded ABC/NC.

- **LIBR 230 - Intermediate Information Literacy and Research Skills for Lifelong Professional Success**

---

(2)

Explores how information is produced and used in professional settings. Designed to teach students research and critical thinking skills required to access, evaluate, synthesize and understand information for professional success and development. Graded ABC/NC.

- **LIBR 250 - Intermediate Information Literacy and Library Research Skills**

---

(2)

A practical and theoretical course offering students a framework for how information and knowledge is produced in society and organized by libraries and indexing systems. Designed to give students the technological skills and critical thinking abilities needed to access and use the printed and electronic information resources found in libraries and on the Internet; develop strategies for finding, evaluating, synthesizing and managing information. Graded ABC/NC

- **LIBR 330 - Advanced Information Literacy for Decision Making in the Professional World**

---

(4)

Advanced information literacy course that considers the role of information in a professional context. Using company, industry, legal and demographic information, research, analysis and decision-making in professional environments will be simulated and explored. Graded ABC/NC.

- **LIBR 430 - Legal Information Literacy**

---

(4)

Advanced information literacy course that considers the use and impact of different forms of legal information. Students will learn to analyze and evaluate legal information to determine meaning and relevancy. Graded ABC/NC.

### **Manufacturing Process and Automation (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established*

*by the department and approval of the graduate adviser.*

- **TECH 160 - Introduction to Metalworking**

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(3)

Basic metal properties, metalworking processes, and hand and machine tool applications. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 360 - Modern Manufacturing**

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(3)

Introduction to the practices and procedures used in modern manufacturing to bring a product to market. Review of industrial materials, processes, standards, safety, quality, and computer software used in manufacturing. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 361 - Welding Technology**

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(3)

Prerequisite: TECH 160. Inert gas, oxyacetylene, and electric arc welding, cutting, brazing, and testing theory and practice. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 448 - Plastics Technology**

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(3)

History, materials, processes, and application of plastics technology; principles and procedures of modern application in industry. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 460 - Manufacturing, Materials, and Processes**

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(3)

Prerequisite: TECH 360. Materials and processes used in manufacturing. Processes to organize industrial activity as well as hard processes used to shape and form materials. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 462 - Digital Manufacturing**

---

(3)

Prerequisites: TECH 360, and 460. Development of basic skills needed to perform simulation construction in the virtual manufacturing environment with CNC, CAM, machining and robotics simulation. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 466 - Computer-Aided Manufacturing**

---

(3)

Prerequisites: TECH 360, 460, 462 Applications and theories of advanced production systems in automated manufacturing environments emphasis includes direct and computer numerical control, computer integrated manufacturing CAD/CAM; flexible manufacturing; group technology. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 467 - Emerging Manufacturing Technologies**

---

(3)

Prerequisites: TECH 360, 460, 462, 466. Variable content of manufacturing topics and processes. Special studies of diverse subjects such as Rapid Prototyping, Wire Electrical Discharge Machining (EDM), Advanced Computer-Aided Manufacturing, Automatic Data Collection and Identification Lecture 1 ½ hours, laboratory 4 1/2 hours.

### **Management (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 300- and 400-level MGMT courses.*

- **MGMT 306 - Operations Management**

---

(4)

Prerequisites: ECON 209. Management of the operations function of manufacturing and service firms including operations strategy, forecasting, process design and improvement, production and inventory management, supply-chain management, capacity planning and management, and quality assurance.

- **MGMT 307 - Management and Organizational Behavior**

---

(4)

Analysis of management process with emphasis on business environment; interpersonal and intergroup processes and relationships in organizations.

- **MGMT 308 - Business Responsibilities in Society**

---

(4)

Discussion of the business person's responsibilities and obligations in contemporary society; principles and problem-solving techniques related to major social problems confronting business organizations; Business ethics and corporate social responsibility.

- **MGMT 440 - Career Development**

---

(4)

Career management theories, strategies and skills including career exploration, appraisal, self-assessment, professional development, and skill building essentials in interviewing, networking, socialization, and mentoring for self and others.

- **MGMT 454 - Special Topics in Management**

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(1–4)

Prerequisite: Varies with topic; see Schedule of Classes for specific requirement. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **MGMT 460 - Case Studies in Operations Management**

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(4)

Prerequisite: MGMT 306. Case studies used to illustrate product and process design, technology management, facilities design, location and layout, capacity and inventory management, and quality improvement in manufacturing and service firms.

- **MGMT 461 - Management Theory and Practice**

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(4)

Prerequisite: MGMT 307. Undergraduate seminar covering development of theory of management through analysis and integration of fundamental relationships and principles; current and past practices analyzed in planning, organizing, directing, and controlling.

- **MGMT 462 - Comparative Management**

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(4)

Prerequisite: Senior or graduate standing. Identification and analysis of management systems in differing national, functional, or institutional settings; impact of economic, social, political, and cultural variables on management systems; universality of management principles.

- **MGMT 463 - Process Design and Improvement**

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(4)

Prerequisite: MGMT 306. Operations Management issues related to the utilization of physical,



human resources, technological and other interlocking factors in determining and improving the ways of organizing and doing work in manufacturing and service companies.

- **MGMT 464 - Production and Inventory Management**

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(4)

Prerequisite: MGMT 306. Design of information and decision systems for allocating resources and scheduling activities; development of conceptual structures guiding integrated production and inventory systems in manufacturing environments; introduction of computerized MRP systems.

- **MGMT 466 - Managerial Innovation**

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(4)

Prerequisite: MGMT 307. Intensive investigation of managerial innovation through analysis of cases; determinants, strategies, and impact of invention, adoption and implementation of new techniques and approaches in managing organizations.

- **MGMT 467 - Quality Control**

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(4)

Prerequisite: ECON 309. Control of quality of manufactured products by statistical methods; control charts for variables, fraction defective, defects per unit; acceptance sampling; single, double, and multiple sampling methods; sampling tables.

- **MGMT 468 - Small Business Management**

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(4)

Prerequisite: Majority of Business Administration core courses. Use of case study methods to investigate and analyze problems related to business; emphasis is placed on service learning to apply business concepts. This course requires service learning.

- **MGMT 469 - Training and Development**

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(4)

Principles, methods, and procedures for orienting, inducting, developing skill-building programs for training and educating/developing employees at all levels of business, governmental, and third sector organizations.

- **MGMT 470 - Managerial Leadership and Motivation**

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(4)

Prerequisite: MGMT 307 or NURS 488. Nature, resources, strategies, and models of complex organizations; case analyses of process of managerial leadership, motivation, interpersonal relationships in work groups; impact on organizational effectiveness.

- **MGMT 471 - Employment Relations**

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(4)

Prerequisite: MGMT 473. Principles, methods, and processes for creating and managing positive relationships with unionized and non unionized employees through legal compliance, effective labor relations, and managing diversity.

- **MGMT 472 - Supply Chain Management**

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(4)

Prerequisite: MGMT 306. Principles, methods, and practices for managing effective supply chain in global business, including strategies for customer service, quality, logistics, inventory management, and integrated supply chain management.

- **MGMT 473 - Strategic Human Resource Management**

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(4)

Prerequisite: MGMT 307. Principles, methods, and procedures in developing and managing the human resource function; including planning, legal compliance, job analysis, recruitment, selection, training and development, compensation, and employment relations.

- **MGMT 474 - Compensation Management**

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(4)

Prerequisite: MGMT 473. Theory and practices of wage and salary administration: job analysis and preparation of job descriptions, use of job evaluation scales, establishment of pay systems, performance appraisal, and additional compensation techniques.

- **MGMT 475 - Current Topics and Cases in Human Resource Management**

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(4)

Prerequisite: MGMT 473. Application of human resource management principles through case analyses and current readings related to human resource planning, recruitment, selection, compensation, employment relations, and other human resource functions.

- **MGMT 477 - Staffing**

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(4)

Prerequisite: MGMT 473. Principles, methods and procedures for analyzing the staffing process, including human resource planning, job analysis, internal and external recruiting, selection methods, and final selection decisions.

- **MGMT 478 - Financial Management of Health Care Institutions**

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(4)

Financial management decision-making in health care institutions with emphasis on techniques of budget development. Some sections of course may be technologically mediated.

- **MGMT 479 - Seminar: Business in Its Social Setting**

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(4)

Prerequisite: MGMT 308 or graduate standing. Analytical interdisciplinary investigation of evolution of contemporary status of business relative to dynamic forces: social, political, legal, environmental and economic.

- **MGMT 481 - International Human Resource Management**

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(4)

Prerequisite: MGMT 473. Examination of human resource management activities in an international environment. Emphasis on challenges and issues related to managing human resource activities in global businesses, and adapting to local cultures.

- **MGMT 484 - Organization Development and Change**

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(4)

Prerequisite: MGMT 307. An in-depth understanding of organization development and change. Topics include managerial roles, diagnosis intervention design, change management, and evaluation. Emphasis is placed on implementing interventions in diverse contexts.

- **MGMT 485 - Project Management**

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(4)

Project management theories for planning and controlling resources to accomplish complex projects; case analyses from business and nonprofit organizations; exercises with selected project management software.

- **MGMT 489 - High Performance Management**

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(4)

Prerequisite: MGMT 307. Focus on managerial skills, performance context conceptual understanding and self-assessment; in depth skill-learning, analysis, practice, and application including: creative and critical thinking, managing conflict, and building effective teams.

- **MGMT 490 - Service Management**

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(4)

Prerequisites: MGMT 306 and 307. Design and management issues in high-contact services: process design, capacity and quality management, and human relations; lectures and readings cover theoretical material, and case studies provide applications.

- **MGMT 497 - Capstone: Global Strategic Management**

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(4)

Prerequisite: Undergraduate Business Administration core requirements. Integration of business knowledge developed in core courses; interdisciplinary exposure to complex executive decisions in business, including global strategy under conditions of uncertainty.

### **Management (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Graduate Programs Office are required for admission to all 500-level courses.*

- **MGMT 500 - Management**

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(4)

Planning, organizing, leading and coordinating for achieving organizational goals. ; managing operations and organizational behavior; techniques for improving decisions, communications and quality; business responsibilities; ethics. Some sections may be technologically mediated.

- **MGMT 501 - Administrative Behavior and Systems Management**

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(4)

Concepts and cases of managerial action in organizations, including decision making processes; organizations as open systems; methods for strategically aligning an organization's capabilities, structure, and environment.

- **MGMT 518 - Seminar: Starting a New Venture: Essential Skills**

---

(4)

This course focuses on self-assessment and skill development useful in new venture development and management. A specific focus is placed on self-assessment and interpersonal skills including networking, effective pitches and self-presentation, building an entrepreneurial team, leadership, creativity, financing, and project management.

- **MGMT 554 - Special Topics in Management**

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(1– 4)

Current topics of special interest in management, as announced in Schedule of Classes. May be repeated for credit.

- **MGMT 560 - Seminar: Strategic Planning**

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(4)

Development of comprehensive business strategy and long-range plans with consideration for the social, economic, political, and technological environments; current strategic principles and practices; analysis of planning processes and systems.

- **MGMT 563 - Seminar: New Venture Resources Planning**

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(4)

Prerequisite: MGMT 518 or consent of Instructor. This course focuses on identifying and acquiring the resources needed to launch a new venture. Including but not limited to physical, material and capital resources required to successfully launch a new venture. A specific focus is placed on capital sources and types to finance a new Venture.

- **MGMT 565 - Health Care Marketing Management**

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(4)

Methods used by health care providers to forecast needs for specific health services in their communities; hospital marketing strategies and cases; special problems and issues in marketing health care services. Some sections of the course may be technologically mediated.

- **MGMT 566 - Seminar: New Venture Opportunity Identification and Evaluation**

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(4)

Prerequisite: MGMT 518 or consent of Instructor. Focuses on identifying, discovering and evaluating new venture opportunities. Covers criteria tools and dynamics involved in systematic search and creative thinking methods to generate ideas. Examines the process and difficulties of analyzing new venture ideas to produce a solid business opportunity.

- **MGMT 566 - Seminar: New Venture Opportunity Identification and Evaluation**

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(4)

Prerequisite: MGMT 518 or consent of Instructor. Focuses on identifying, discovering and evaluating new venture opportunities. Covers criteria tools and dynamics involved in systematic search and creative thinking methods to generate ideas. Examines the process and difficulties of analyzing new venture ideas to produce a solid business opportunity.

- **MGMT 567 - Seminar: New Venture Strategy and Competitive Dynamics**

---

(4)

Prerequisite: MGMT 518 or consent of Instructor. This course focuses on strategic challenges confronting new ventures. The course provides students with concepts, theories and methods to identify, analyze and define critical issues facing new ventures and to develop solutions.

- **MGMT 571 - Cases in Health Care Management**

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(4)

Cases involving payment systems, regulation, competition, organizational integration, legislation and legal precedents, health insurance, prevention, and managing ethical dilemmas. Some sections of the course may be technologically mediated.

- **MGMT 572 - Seminar: Power and Politics in Organizations**

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(4)

Analysis of power and politics in organizations; sources determinants, strategies, impact on organizational decision making and effectiveness; implications for management. Case material and selected readings.

- **MGMT 573 - Seminar: Human Resource Management**

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(4)

Selected problem areas focusing on policies, techniques, and legal and social restrictions in areas of recruitment, selection, training, compensation, and occupational health and safety.

- **MGMT 574 - Seminar: Managing Employee Motivation and Work Behavior**

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(4)

Manager's function in leading, directing, motivating work behavior; research of cases of management processes relating to organizational behavior, growth, effectiveness.

- **MGMT 576 - Seminar: Managing Health Care Organizations**

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(4)

Management processes and concepts as applied in health care organizations; issues in organizing, controlling, and changing health care services with emphasis on the aging population, long term and managed care. Some sections of the course may be technologically mediated.

- **MGMT 577 - Seminar: International Business Management**

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(4)

Nature, environment, resources, strategies, and models of international business organization; analysis of managerial functions performed by international business managers; case studies pertaining to management in an international context.

- **MGMT 578 - Financial Management of Health Care Organizations**

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(4)

Financial management in health care organizations, introducing the financial concepts, issues, and tools needed to manage a health care organization; emphasis on budgeting, financial statement analysis, and managerial decision-making.

- **MGMT 579 - Managing the Managed Health Care Organization**

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(4)

Concepts and management challenges of managed health care organizations such as health maintenance organizations (HMOs), preferred provider organizations (PPOs), commercial health insurance companies; provider organizations; integrated delivery systems (IDSs). Some sections of the course may be technologically mediated.

- **MGMT 581 - Seminar: Management Case Research**

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(4)

Applied case study research on organizations facing managerial challenges such as transitioning from small to professionally managed business, launching new products, forming alliances.

Students are expected to prepare publishable quality case studies.

- **MGMT 582 - Seminar: New Venture Consulting**

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(4)

Prerequisite: MGMT 518 or consent of Instructor. Overview of management consulting methods for new Ventures, including applied projects in which students analyze new ventures and present recommendations to founders./managers of entrepreneurial organizations.

- **MGMT 588 - Seminar: New Venture Management**

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(4)

Assessment of business opportunities and competitive environments. Issues in designing and building management systems to produce and deliver a product or service. Dimensions of launching a business and managing long-term growth.

- **MGMT 593 - Applied Research Methods in Management**

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(4)

Overview of research methods applicable to management and health care management; research designs for qualitative and quantitative studies; reporting applied research to help managers make decisions. Some sections of the course may be technologically mediated.

- **MGMT 595 - Advanced Field Study**

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(1–6)

Independent, supervised field experience in an applied area of business or health care management. Weekly tutorial sessions required for student-teacher synthesis of learning from course work and field experience. Graded CR/NC.

- **MGMT 598 - Graduate Directed Study**

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(1)

Investigation of an approved project leading to a written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.



*Upper division standing is prerequisite to enrollment in 300- and 400-level MKT courses*

- **MKT 304 - Principles of Marketing**

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(4)

Product planning, pricing, distribution, and promotion of goods and services; market research, consumer behavior, international business, and the industrial market.

- **MKT 325 - High Performance Professional Skills**

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(4)

Prerequisite: MKT 304. Skills, performance context, conceptual understanding, self assessment, analysis, and application in negotiation, creativity, critical thinking, diversity management, and team-building in marketing, international business, retailing and entrepreneurship.

- **MKT 340 - Principles of Advertising**

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(4)

Prerequisite: MKT 304. Marketing and economic functions of advertising; survey of roles played by clients, agencies, advertising departments, media, and auxiliary organizations in field.

- **MKT 341 - Salesmanship**

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(4)

Prerequisite: MKT 304. Fundamentals of selling and sales management; concentration on sales techniques with student presentations of critiques and analyses; procedures for selection, training, compensation, and supervision of sales personnel.

- **MKT 342 - Consumer Behavior**

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(4)

Prerequisite: MKT 304. Reactions of consumer to promotional activities of retailers; concepts of consumer strategy and tactics; importance of product image, brand, package influence, and store image in influencing consumer purchases.

- **MKT 344 - Principles of Retailing**

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(4)

Structure of retailing industry; retailing trends; retail store organization; understanding retail consumers; store location, design, and layout; basic fundamentals of operating a retail business; retail controls and evaluation.

- **MKT 346 - Marketing of Services**

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(4)

Prerequisite: MKT 304. Marketing of services including promotion and pricing practices and strategies; practices of franchising and specific services sectors.

- **MKT 349 - Retail Merchandising and Sales Promotion**

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(4)

Prerequisite: MKT 304. Analysis of merchandising and sales promotion functions performed by retailers; covers market segmentation, merchandising policies, budgeting, buying, inventory management, and pricing; emphasis on retail promotional planning, implementation, and evaluation.

- **MKT 358 - International Business**

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(4)

Business conducted within a world environment; transactions comprising international business; institutional setting abroad; scope of managerial decision-making in international business operations.

- **MKT 365 - Community Based Social Marketing**

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(4)

Prerequisite: MKT 304 or consent of instructor. Applies the marketing process to enable exploring, building, and developing community based programs. Considers business, non-profits and government utilization of marketing to engage and shape community behaviors for collective good.

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# Course Descriptions

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## Marketing (Undergraduate)

*Upper division standing is prerequisite to enrollment in 300- and 400-level MKT courses*

- **MKT 440 - Advanced Advertising and Promotion**

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(4)

Prerequisite: MKT 340. In-depth review of advertising and promotion management; emphasis on strategic decision-making through case study analyses; supplemental topic areas include sales promotion, agency/client relations, and measurement/evaluation techniques.

- **MKT 442 - Marketing Management**

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(4)

Prerequisite: MKT 304. Intensive study of marketing management; emphasis on marketing environment; development of marketing strategies and formulation of policies; integration of marketing with other functional areas of business through case studies.

- **MKT 443 - Marketing in a New Business**

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(4)

Prerequisite: MKT 304. Introduction of a new business or product concept into marketplace; emphasis on small business marketing entrepreneurship.

- **MKT 446 - Marketing Research**

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(4)

Prerequisites: MKT 304 and ECON 209. Marketing research functions and procedures utilized in measuring and analyzing environmental factors in consumer demand, sales efficiency, effectiveness of promotional programs, and effects of competitor's strategies; methods of product distribution and pricing research. Projects emphasize current marketing research techniques.

- **MKT 447 - Business Consulting**

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(4)

Prerequisite: Majority of upper division Business Administration core courses. Analytic, administrative, and communicative aspects of consulting and counseling processes; application of functional knowledge and skills to consultation.

- **MKT 448 - Mail Order/Direct Response Marketing**

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(4)

Prerequisite: MKT 304. The growing direct marketing industry: catalogs, direct mail, broadcast and print media, and telemarketing; strategic applications in marketing/promotions plans of existing and entrepreneurship business situations.

- **MKT 453 - Marketing for Nonprofit Organizations**

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(4)

Prerequisite: MKT 304. Relationship of marketing principles and marketing analyses to performance of nonprofit institutions in U.S. economy by use of case studies.

- **MKT 454 - Special Topics in Marketing**

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(1-4)

Prerequisite: Varies with topics; see Schedule of Classes for specific requirement. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **MKT 455 - Proseminar: International Transportation**

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(4)

Prerequisite: MKT 304. Use of ocean vessels, air transport, intermodal carriers, and foreign freight forwarders to move goods in our import/export trade; discussions of multimodal concept, documentation, and marine insurance.

- **MKT 456 - International Marketing Management**

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(4)

Prerequisite: MKT 304. International marketing operations: product policies, pricing, advertising, distributional channels, marketing research; factors governing the decision to engage in foreign transactions. In-depth market studies.

- **MKT 457 - Import-Export**

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(4)

Prerequisite: MKT 358. Import-export operations: organization, regulation, terms of access, documentation, shipment and financing involved with international movement of merchandise; trade patterns by countries and commodities.

- **MKT 459 - Intercultural Business Communication  
(also listed as SPCH 459)**

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(4)

Prerequisite: BUS 305 or SPCH 300. Analytical approach to understanding cultures in order to do business effectively. Steps in achieving intercultural communication competence, framework for understanding cultures, nonverbal communication, document organization from cultural priorities, and negotiation.

- **MKT 460 - Internet Marketing**

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(4)

Prerequisite or corequisite: MKT 304. Integration of Internet marketing into an organization's overall marketing effort; covers Internet research, consumer behavior, and marketing mix strategy development and execution; coordination with other e-commerce applications.

- **MKT 462 - Internet Marketing Research**

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(4)

Prerequisite: MKT 304, concurrent enrollment or CIS 405A. How to acquire, store, distribute, analyze and use electronic information to make strategic and operational marketing decisions and incorporate and manage marketing information systems and technology in organizations.

### **Marketing (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 500- level courses.*

- **MKT 500 - Marketing Principles and Concepts**

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(4)

Understanding the researching, planning, developing, implementing, and controlling of marketing

management plans and strategies relative to environmental factors, consumer behavior and organizational behavior. Some sections may be technologically mediated.

- **MKT 540 - Seminar: Marketing Communication**

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(4)

Strategic promotional variables considered individually and in combination to communicate want-satisfying attributes of products and services in the most effective and efficient manner.

- **MKT 543 - Seminar: International Marketing**

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(4)

Planning and implementing international marketing programs including those of multinational corporations; micro and macro marketing implications of economic development; consumer behavior, market research and strategy in other cultures.

- **MKT 544 - Seminar: Consumer Behavior**

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(4)

Interdisciplinary study about how consumers behave in the marketplace; the objective is to understand, explain, and predict consumers' actions under a variety of market conditions.

- **MKT 545 - Seminar: New Venture Marketing**

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(4)

Strategies for introducing new ventures, products, services, and businesses from conception of the idea through market testing to introducing the product/service successfully into the marketplace.

- **MKT 546 - Seminar: Marketing Research**

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(4)

Prerequisites: ECON 309; MKT 304; BUS 501. Role of marketing research in making marketing decisions and planning and implementing marketing research projects; state-of-the-art marketing research tools and techniques and their applications.

- **MKT 547 - Seminar: Retail Management**

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(4)

Policies, problems, and opportunities in today's complex and dynamic retail environment;

procedures for interrelating, planning, and implementing retail strategy involving marketing, management, and financial tools and theory.

- **MKT 560 - Internet Marketing**

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Prerequisite: BUS 513 or consent of instructor. Integration of Internet marketing into an organizations overall marketing effort. Topics include customer interface, experience and relationship, Internet marketing matrix development and execution.

- **MKT 598 - Graduate Directed Study**

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(1)

Investigation of an approved project leading to a written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.

### **Mass Communication (Undergraduate)**

- **MSCM 100 - Introduction to Mass Media**

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(4)

Introduction to book, newspaper and magazine publishing, motion pictures, broadcasting, and new information technologies examined in terms of communication theory and as economic, political, and social institutions.

- **MSCM 390 - Technology and Human Interaction  
(also listed as COMM 390)**

---

(4)

Prerequisite: TVF 220 or COMM 150. Comparison of the mass media with other forms of human interaction with attention given to the interactive role and effect of these human communication processes.

### **Math (Undergraduate)**

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 091, 100, 102, 103, 104A, 104B, 109, 206, and 242. The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 103, 104A, 109, 242. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP). Exemption is good*

for one year from high school graduation for placement purposes.

- **MATH 054 - Special Topics at the Precollegiate Level**

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(1–8)

Selected topics in remedial mathematics with varying delivery methods. No credit towards baccalaureate degree. Graded CR/NC.

- **MATH 089 - Introduction to Algebra**

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(4)

\*Required of students scoring 29 or less on the ELM unless exempt. Fractions, signed numbers, measurement geometry, absolute value, simplifying algebraic expressions, linear equations and inequalities. Graded CR/NC. Students with CR or two NC grades for this course may not enroll again. No credit towards baccalaureate.

*\*The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 090 - Elementary Algebra**

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(4)

\*Prerequisite: Score of 30-41 on the ELM or credit in MATH 089. Introductory algebra including straight lines; graphing; systems of equations and polynomial operations; exponents, and factoring. Graded ABC/NC. Students with CR or two NC grades for this course may not enroll again. No credit towards baccalaureate.

*\*The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 091 - Intermediate Algebra**

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(4)

\*Prerequisite: MATH 090 or a score of 42-49 on the ELM. Polynomial, rational and radical expressions; quadratic equations, circles, functions, exponents and an introduction to counting principles. Graded ABC/NC. Students with CR or two NC grades for this course may not enroll



again. No credit towards baccalaureate.

*\*The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 100 - Introduction to College Mathematics**

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(4)

\*Prerequisites: Score of 50 or more on ELM; or MATH 091 with minimum C grade. Introduction to mathematical methods and reasoning, including logic, sets and set operations, combinatorics and probability, descriptive statistics, normal distribution, and margin of error. No credit toward mathematics or computer science majors. Graded ABC/NC

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242. The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 102 - College Algebra**

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(4)

\*Prerequisite: Score of 50 or more on ELM or MATH 091 with a minimum C grade. Algebraic expressions, equations, and inequalities; functions; exponential and logarithmic functions; permutations, combinations, binomial theorem, and basic probability. Graded ABC/NC

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242. The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 104A - Precalculus: Algebra**

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(4)

\*Prerequisite: Score of 50 or more on (or exemption from) ELM or MATH 091 with a minimum C grade or satisfactory score on placement examination. Functions, Exponential and logarithmic functions; polynomials and rational functions; systems of linear equations and matrices; sequences and series including arithmetic and geometric series.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242. The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 104B - Precalculus: Trigonometry**

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(4)

\*Prerequisite/corequisite: MATH 104A with a minimum C grade or satisfactory score on placement examination. Trigonometric functions, identities, and equations; solution of triangles; inverse trigonometric functions; complex numbers, DeMoivre's Theorem; parametric equations; polar coordinates; conic sections.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242.*

- **MATH 105 - Introduction to Mathematical Models in Biology**

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(4)

\*Prerequisite: Math 104A with minimum grade of C or satisfactory score on Math 104A exit exam. Rudimentary knowledge of Microsoft Excel. Sinusoidal, exponential and logarithmic functions in a biological context. Formulation and analysis of basic discrete models in biology. Basic probability, including conditional probability and independence. Eigenvalues and eigenvectors of matrices. Intended for life-science majors.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242.*

- **MATH 109 - Quantitative Reasoning with Statistics  
(also listed as ECON 109)**

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(4)

\*Prerequisite: Completion of remediation, if required, or score of 50 or above on ELM requirement.

Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications. Graded ABC/NC **GE A4**

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242. The Entry Level Math (ELM) requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 104A and 109. The ELM exam scores are good for one year for placement purposes. The Early Assessment Program (EAP) exemption is good for one year from high school graduation for placement purposes.*

- **MATH 110 - Foundations of the Real Number System for Elementary and Middle School Teachers**

---

(4)

Prerequisite: Completion of remedial mathematics, if required, or exemption from the ELM requirement. Integers and elementary number theory, rational numbers, decimals and percent, ratio and proportion, alternate bases, and word problems. Restricted to students in multiple subjects credential programs. This course does not fulfill the General Education A-4 requirement. Graded ABC/NC

- **MATH 115 - Elements of Algebra and Statistics for Elementary and Middle School Teachers**

---

(4)

Prerequisites: Math 110. Functions, relations, sequences, discrete structures, probability, data analysis, and descriptive statistics. Restricted to students in multiple subjects credential programs. Graded ABC/NC.

- **MATH 154 - Selected Topics in Mathematics**

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(1– 4)

Prerequisite: Completion of remediation, if required, or score of 50 or more on ELM. Other prerequisites as needed for specific topics. Current topics of interest to students in Mathematics as announced in the Schedule of Classes. May be repeated for credit as subject matter changes. Graded CR/NC.

- **MATH 204 - Applied Calculus I**

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(4)

\*Prerequisite: MATH 105 with minimum grade of C or satisfactory score on entrance exam for MATH 204. Limits, continuity, derivatives, discrete models and their stability, extrema, long-term behavior of systems, approximation, Newton's method, with a focus on applications in biology.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242.*

- **MATH 204P - Applied Calculus I: Workshop**

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(1)

Activity for MATH 204 with focus on problem solving and applications. Recommended for all students, but mandatory for those with grade below B- in any prerequisite for MATH 204 or those repeating MATH 204.

- **MATH 205 - Applied Calculus II**

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(4)

Prerequisite: MATH 204 with minimum grade of C.

Integration methods, definite and indefinite integrals, numerical, graphical and exact methods for solving basic differential equations, analysis of stability of equilibria of systems, with a focus on applications in biology.

- **MATH 205P - Applied Calculus II: Workshop**

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(1)

Activity for MATH 205 with focus on problem solving and applications. Recommended for all students enrolled in MATH 205, but mandatory for those with grade below B- in Math 204 or those repeating MATH 205.

- **MATH 206 - Calculus I: Differentiation**

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(4)

\*Prerequisites: MATH 104A and 104B, each with a minimum C grade or satisfactory score on placement examination; students with a grade less than B- in either MATH 104A or MATH 104B must enroll concurrently in MATH 206P. Functions, graphs, limits, continuity, derivatives, antidifferentiation, and applications.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242.*

**\*\*C-ID MATH 210 and MATH 211 and MATH 900S**

*\*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding “C-ID Course” designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 206P - Calculus I Workshop**

---

(1)

Activity for Math 206 students with emphasis on problem solving. Concurrent registration in Math 206 required. Open to all Math 206 students but mandatory for students whose grade in Math 104A or Math 104B is less than B-. Graded CR/NC

- **MATH 207 - Calculus II: Integration**

---

(4)

Prerequisite: MATH 206 with minimum C grade; students with a grade less than B- in MATH 206 must enroll concurrently in MATH 207P. The definite integral, Fundamental Theorem of Calculus, transcendental functions, methods of integration, applications to physics and biology.

**\*C-ID MATH 210, MATH 211, MATH 220, MATH 221, and MATH 900S**

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding “C-ID Course” designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 207P - Calculus II Workshop**

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(1)

Activity for Math 207 students with emphasis on problem solving. Concurrent registration in Math 207 required. Open to all Math 207 students but mandatory for students whose grade in Math 206 is less than B-. Graded CR/NC

- **MATH 208 - Calculus III: Sequences, Series, and Coordinate Systems**

---

(4)

Prerequisite: MATH 207 with minimum C grade; students with a grade less than B- in MATH 207 must enroll concurrently in MATH 208P. Limits of sequences and series, indeterminate forms, Taylor Series, plane coordinate systems, and change of coordinates.

\*C-ID MATH 220 and MATH 221 also MATH 900S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 208P - Calculus III Workshop**

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(1)

Activity for Math 208 students with emphasis on problem solving. Concurrent registration in Math 208 required. Open to all Math 208 students but mandatory for students whose grade in Math 207 is less than B-. Graded CR/NC

- **MATH 209 - Calculus IV: Several Variables**

---

(4)

Prerequisite: MATH 208 with minimum C grade. Three-dimensional analytic geometry, partial differentiation, multiple integration, spherical and cylindrical coordinate systems, line integrals.

\*C-ID MATH 230

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year*

*institutions.*

- **MATH 210 - Introduction to Computer Algebra Systems**

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(4)

Prerequisite: Math 206 with grade C or better. Introduction to computer algebra systems such as Mathematica, Maple or Matlab; overview of built-in functions; 2-D and 3-D graphs; animations; data manipulation; introduction to basic programming structures; user-defined functions.

- **MATH 215 - Differential Equations**

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(4)

Prerequisite: MATH 209. Ordinary differential equations with concentration on methods of finding solutions; applications in science and engineering.

\*C-ID MATH 240

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 225 - Explorations in Geometry for Elementary and Middle School teachers**

---

(4)

Prerequisites: A college level mathematics course with a minimum grade C. Topics include properties of two and three dimensional figures, measurement, constructions, structure, spatial relationships, transformations, and graph theory presented through multiple teaching modes. No credit for mathematics majors.

- **MATH 242 - Mathematics for Business and Economics Majors**

---

(4)

\*Prerequisites: MATH 104A with minimum C grade or satisfactory score on placement examination. Differential calculus with applications in business and Economics; introduction to integral calculus.

*\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 100, 102, 104A, 104B, 105, 109, 204, 206 and 242.*

- **MATH 248 - Discrete Mathematics**

---

(4)

Prerequisite: MATH 207. Fundamentals of logic and set theory, counting techniques, relations, induction and recursion; graphs and trees.

- **MATH 253 - Foundations of Mathematical Structures for Teachers**

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(4)

Prerequisite: MATH 104A. Vectors in two and three dimensions; dot and cross product, matrices; basis and subspaces; determinants, systems of linear equations and their solvability; inequalities and applications; ring, field and order properties of real and complex numbers; coordinate geometry, three dimensional geometry, non-Euclidean geometries. No credit toward coursework for the B.A. or B.S. degree in Mathematics.

- **MATH 254 - Selected Topics in Mathematics**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics, as announced in Schedule of Classes. May be repeated for credit.

- **MATH 255 - Introduction to Matrix Theory**

---

(4)

Prerequisite: MATH 208. Vector spaces, linear transformations, linear equations, matrices, determinants, eigenvectors and eigenvalues, canonical forms.

\*C-ID MATH 250

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding “C-ID Course” designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*



- **MATH 270 - Introduction to Probability and Statistics**

---

(4)

Prerequisites: MATH 208, MATH 248. Descriptive statistics, sample mean and variance, basic rules of probability, conditional probability, independence, random variables, special discrete and continuous distributions, expectation, central limit theorem. Application: Markov chains.

- **MATH 274 - Introduction to Statistics**

---

(4)

Prerequisite: MATH 104A. Graphical display of data, measures of variation, correlation, least-squares regression, design of samples and experiments, basic rules of probability, normal distribution, central limit theorem, sampling distributions, confidence intervals, hypothesis tests.

- **MATH 320 - Selected Topics in History of Mathematics**

---

(4)

Prerequisite or corequisite: MATH 207. Traces development of fundamental concepts and techniques in fields of algebra, geometry, trigonometry, and calculus.

- **MATH 325 - Mathematical Notation and Proof**

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(4)

Prerequisite: MATH 208. Elementary set theory and number theory with emphasis on notation and types of proof. Axiomatic method, equivalence relations,  $\Rightarrow$  –  $\Leftarrow$  arguments.

- **MATH 350 - Tutoring Experience for Prospective Teachers**

---

(2)

Prerequisite: MATH 209. Varying levels of tutoring assignments. Discussion of students' misperceptions, learning difficulties, effective teaching strategies and communication of mathematics. May be repeated once for credit. Graded CR/NC.

- **MATH 354 - Selected Topics in Mathematics**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics as announced in the Schedule of Classes. May be repeated for credit.

- **MATH 390 - Technical Writing in Mathematics**

---

(2)

Prerequisites: MATH 325 with minimum C grade, satisfactory completion of the Graduation Writing Assessment Requirement (GWAR), concurrent enrollment in a 400-level MATH course (other than 402AB). Expository writing on mathematical topics selected by the instructor, including a technical report related to the 400-level course being taken concurrently.

- **MATH 395 - Classroom Experiences in Teaching High School Mathematics**

---

(2)

Prerequisites: MATH 209, 248, 255, 325. Recommended: MATH 430. Effective teaching techniques, study of NCTM and California content standards and framework, connecting advanced mathematics to high school content together with practical experience. Early field experience course. Service learning required.

- **MATH 398 - Cooperative Education**  
(see UNIV 398)

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(1–4)

Cooperative Education

- **MATH 401 - Differential Equations**

---

(4)

Prerequisites: MATH 209, 255, 325 with minimum C grade. Ordinary differential equations with concentration on properties of solutions, including existence and uniqueness. Emphasis on theory as opposed to applications.

- **MATH 402A - Advanced Mathematics I for Engineers and Physicists**

---

(4)

\*Prerequisite: MATH 215 or 401. Vector analysis to include line and surface integrals, orthogonal curvilinear coordinates, complex variables to include contour integration and conformal mapping, Laplace transformation.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 403 - Partial Differential Equations**

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(4)

Prerequisite: MATH 215 or 401. Orthogonal sets of functions; Fourier series and integrals, with applications to the equations of mathematical physics; first order equations, Cauchy's method of characteristics.

- **MATH 410 - Vector Analysis**

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(4)

Prerequisites: MATH 209, 255. Vector algebra and calculus, vector fields, gradient, divergence, curl, divergence theorem, Stokes' theorem, applications to geometry and mathematical physics.

- **MATH 420 - Mathematical Logic**

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(4)

Prerequisite: MATH 325 with minimum C grade. The statement calculus, the predicate calculus, mathematical structures, and the deduction of valid consequences; the completeness theorem.

- **MATH 430 - Modern Geometry**

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(4)

Prerequisite: MATH 325 with minimum C grade. Topics selected from advanced Euclidean geometry, non-Euclidean geometry, projective geometry. May be repeated once for credit with approval of instructor as subject matter changes.

- **MATH 435 - Topology**

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(4)

Prerequisite: MATH 465. Introduction to point set topology, including continuity, product spaces, compactness, Tyconoff theorem, connectedness, metric spaces, and Urysohn lemma.

- **MATH 446 - Theory of Numbers**

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(4)

Prerequisite: MATH 325 with minimum C grade. Divisibility, Euclidean algorithm, prime numbers, fundamental theorem of arithmetic, distribution of primes, congruences, Fermat-Euler and Wilson theorems, residues and quadratic reciprocity law. Bernoulli numbers, quadratic forms, Diophantine equations.

- **MATH 454 - Selected Topics in Advanced Mathematics**

---

(1–6)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics, as announced in Schedule of Classes. May be repeated for credit.

- **MATH 455 - Modern Algebra I**

---

(4)

\*Prerequisites: MATH 255, 325 with minimum C grade. Groups and rings, including normal subgroups, quotient groups, ideals, quotient rings, group and ring homomorphisms and isomorphisms.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 456 - Modern Algebra II**

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(4)

Prerequisite: MATH 455. Additional topics in groups and rings, field extensions, modules.

- **MATH 457 - Linear Algebra**

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(4)

Prerequisite: MATH 455. Vector spaces over arbitrary fields, special types of linear transformations, eigenvalues and eigenvectors, canonical forms, scalar product spaces.

- **MATH 463 - Introduction to Complex Analysis**

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(4)

Prerequisite: MATH 465. Complex variables, analytic functions, complex integration, conformal mappings, applications.

- **MATH 465 - Advanced Calculus I**

---

(4)

\*Prerequisites: MATH 209, 325 with minimum C grade. Real number system; topology of  $\mathbb{R}^n$  including compactness and completeness; sequences and series, including limit inferior and limit superior; continuity.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 466 - Advanced Calculus II**

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(4)

Prerequisite: MATH 465. Differentiation and integration of functions of a real variable; sequences of functions.

- **MATH 467 - Advanced Calculus III**

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(4)

Prerequisites: MATH 255, 465. Functions of several variables; partial derivatives; generalized chain rule; inverse and implicit function theorems; line and surface integrals.

- **MATH 470 - Numerical Analysis I**

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(4)

Prerequisites: MATH 208, 255, MATH 210 or CS 201. Errors in floating point representation, nonlinear equations, systems of linear equations, polynomial interpolation, numerical integration and differentiation.

- **MATH 471 - Numerical Analysis II**

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(4)

Prerequisites: MATH 215, 470. Numerical solution of ordinary and partial differential equations, spline and least square approximation, fast Fourier transform.

- **MATH 472 - Linear Programming**

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(4)

Prerequisite: MATH 255. Geometric solutions, simplex method, the transportation problem, elementary game theory.

- **MATH 474 - Theory of Probability**

---

(4)

Prerequisite: MATH 209. General probability spaces, random variables, joint distributions, random sampling, law of large numbers, normal, gamma, and binomial distributions.

- **MATH 475 - Introduction to Mathematical Statistics**

---

(4)

Prerequisite: MATH 474. Estimation and tests of hypotheses, decision theory and Bayes solutions.

- **MATH 480 - Modeling Biological Systems  
(also listed as BIOL 480)**

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(4)

Prerequisites: minimum grade of C in MATH 205B or in both MATH 215 and MATH 255. Modeling techniques applied to biological systems. Topics include nonlinear dynamics, stochastic models, compartmental and spatial models, parameter estimation, methods of model evaluation, modeling complexities.

- **MATH 484 - Graph Theory**

---

(4)

Prerequisites: MATH 248 and MATH 325 with minimum C grade. Introduction to graph theory and its applications: graphs, trees, and directed graphs; isomorphism; connectivity; network flows; Hamiltonian graphs; planar graphs; coloring problems; matchings; Ramsey theory.

- **MATH 490 - Senior Seminar in Mathematics**

---

(4)

\*Prerequisites: MATH 248, 390, 455, and 465. Capstone course in mathematics including written and oral exposition and senior assessment exam.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 495 - Mathematics Instruction at the College Level**

---

(2)

\*Prerequisite: Graduate standing or permission of instructor. Teaching strategies and learning styles in lower division mathematics courses. Course organization; syllabus and exam preparation; instructional techniques; dealing with special problems; University policies and procedures. May be repeated for credit. Graded CR/NC.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as a sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

- **MATH\* 109 - Quantitative Reasoning with Statistics  
(also cross-listed as ECON 109)**

---

(4)

Prerequisite: Completion of remediation, if required, or score of 50 or above on ELM requirement. Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications. Graded ABC/NC

\*All prerequisites for the following MATH courses must have been completed within the past year: MATH 091, 100, 102, 103, 109, 206, and 242. The ELM requirement must be met before enrollment in MATH 089, 090, 091, 100, 102, 103, 109, 242. The ELM exam scores are good for one year for placement purposes.

GE A4

### **Math (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

*Classified graduate standing is required for enrollment in 500-level courses.*

- **MATH 502A - Applied Linear Analysis**

---

(4)

Prerequisites: MATH 215 or 401; 255; 410 or 467. Function spaces, convergence, inner product, bounded linear operators, integral operators and integral equations, adjoint operators, expansion in eigenfunctions, resolvent, kernel.

*NOTE: All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.*

- **MATH 502B - Applied Linear Analysis**

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(4)

Prerequisite: MATH 502A. Unbounded operators, differential operators of second order, Sturm-Liouville operators, eigenvalues and eigenfunctions, Green's Functions, and additional topics.

- **MATH 521 - Mathematical Modeling**

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(4)

Prerequisite: MATH 210 (or equivalent programming experience), MATH 215 or 401, MATH 255, MATH 474, Recommended: MATH 403. Modeling techniques with difference and differential equations and stochastic models, with applications in fields such as biology, physics, and engineering.

- **MATH 522 - Optimization**

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(4)

Prerequisite: MATH 210 (or equivalent programming experience), MATH 255, MATH 465. Selected topics from unconstrained, constrained, least squares, and parametric optimization.

- **MATH 530 - Topology**

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(4)

Prerequisite: MATH 435. Basic concepts of point set topology: mappings, compactness, connectedness, separation properties, and metrization.

- **MATH 540A - Abstract Algebra I**

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(4)

Prerequisite: MATH 455. Theory of groups, introduction to rings.

- **MATH 540B - Abstract Algebra II**

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- (4)

Prerequisite: MATH 540A. Theory of rings and fields.



## Course Descriptions

### Math (Graduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 402A, 455, 465, 490, 495.

Classified graduate standing is required for enrollment in 500-level courses.

#### • MATH 550 - Seminar: Algebra

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(4)

Prerequisite: Approval of instructor. Readings and discussion of topics from group theory, ring theory, linear algebra, discrete mathematics, and combinatorics. May be repeated to maximum of 8 units with approval of graduate adviser.

#### • MATH 551 - Seminar: Analysis

---

(4)

Prerequisite: Approval of instructor. Readings and discussion of topics from real analysis, complex analysis, functional analysis, and applied analysis. May be repeated to maximum of 8 units with approval of graduate adviser.

#### • MATH 552 - Seminar: Topology and Geometry

---

(4)

Prerequisite: Approval of instructor. Readings and discussion of topics from general and algebraic topology, differential topology and geometry, and geometrical foundations. May be repeated to maximum of 8 units with approval of graduate adviser.

#### • MATH 553 - Seminar: Applied Mathematics

---

(4)

Prerequisite: Approval of instructor. Readings and discussions of selected topics in the field. May be repeated to maximum of 8 units with approval of graduate adviser.

#### • MATH 559 - Mathematical Exposition

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(2)

Prerequisite: Completion of at least 12 units of 500-level courses. Students will select an advanced topic in mathematics with the instructor's approval, prepare an expository paper and give an oral presentation on this topic.

#### • MATH 562 - Advanced Complex Analysis

---

(4)

Prerequisite: MATH 463. Laurent series, singularities, residue problems, contour integration, conformal mappings, and additional topics.

#### • MATH 570 - Numerical Linear Algebra

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(4)

Prerequisites: MATH 210 (or equivalent programming experience), MATH 470. Numerical solutions of linear systems of equations, and eigenvalue problems, direct solutions, interactive solutions, with additional topics in linear algebra as time permits.

- **MATH 571 - Numerical Solutions of Partial Differential Equations**

---

(4)

Prerequisites: MATH 210 (or equivalent programming experience), MATH 470. Numerical solutions of partial differential equations; finite-difference approximations, consistency, convergence, stability.

- **MATH 580 - Real Analysis**

---

(4)

Prerequisite: MATH 466. Theory of Lebesgue measure on the real line; theory of the Lebesgue integral and related convergence theorems.

- **MATH 584 - Advanced Probability Theory**

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(4)

Prerequisite: MATH 580. Probability spaces; random variables; abstract probability integrals, moments, convergence theorems; distribution and characteristic functions; central limit theorems; dependence.

- **MATH 591 - Functional Analysis**

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(4)

Prerequisites: MATH 435 or 530; 466. Banach spaces, Hilbert spaces, linear functionals and operators, spectral theory.

- **MATH 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **MATH 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent. Independent study of advanced topics in mathematics; regular conferences with instructor. May be repeated once.

- **MATH 599 - Thesis**

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(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 4 units. Graded CR/NC.

### **Mechanical Engineering (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **ME 101 - Mechanical Energy Production, Transmission, and Utilization**

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(4)

Prerequisite: Math 104A or one year of high school Algebra. Engineering principles for non-engineering majors. Introduction to how Mechanical Engineers use natural sources of energy to produce, transmit, and utilize work and power. Both alternative and traditional sources of energy will be discussed. No credit towards B.S. degree in Mechanical Engineering.

- **ME 103 - Introduction to Mechanical Design**

---

(3)

Prerequisite: TECH 110 or one year of high school mechanical drafting. Graphics for mechanical engineering design, freehand sketching, use of computer-aided design (CAD) software for solid modeling, descriptive geometry, and selected design projects. Optional rehabilitation engineering service learning activities.

- **ME 114 - Machine Shop**

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(1)

Introduction to machine shop procedures, safety practices, hand tools, band saw, drill press, milling, turning, welding (Graded CR/NC).

- **ME 154 - Special Topics in Mechanical Engineering**

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(1–4)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in mechanical engineering, as announced in Schedule of Classes. May be repeated for credit.

- **ME 201 - Statics**  
(also listed as CE 201)

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(4)

Prerequisites: MATH 207, PHYS 211. Fundamental principles of statics, resolution and composition of forces, algebraic and graphic solutions, friction, center of gravity, moment of inertia.

- **ME 204 - Mechanical Measurements and Instrumentation**

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(4)

Prerequisite: PHYS 213. Introduction to electrical circuits, engineering measurements and instrumentation, introduction to automatic control systems and components.

- **ME 205 - Strength of Materials I**  
(also listed as CE 205)

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(4)

Prerequisite: CE/ME 201.

**Stressed and strains under axial, shearing, and torsional forces; flexural stresses and deflections of simple beams; columns; and combined stresses.**

- **ME 208 - Statics and Strength of Materials**  
(also listed as CE 208)

---

(4)

Prerequisites: MATH 207, PHYS 211. Principles of statics, force systems and equilibrium, structures, machines distributed force, centroid, moment of inertia, stresses, strains and deformation under axial, torsional, and bending loads. For Electrical Engineering students only.

- **ME 210 - Matrix Algebra for Engineers**  
(also listed as CE 210)

---

(2)

Prerequisites: MATH 208. Introduction to calculations using vectors; matrix operation; solution of linear simultaneous equations; coordinate transformation; application to engineering problems.

- **ME 211 - Statistics and Probability for Engineers**  
(also listed as CE 211)

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(2)

Prerequisites: MATH 208. Introduction to calculations using probability distributions and densities; concepts in statistics; application to engineering problems.

- **ME 214 - Review of Solid Mechanics**

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(4)

Prerequisite: CE/ME 205, Free body diagrams, static analysis, determinate and indeterminate structures, internal and external forces, Hooke's Law, shear and moment diagrams/equations, axial/bending/shear/tearing/bearing stresses, Mohr's Circle, centeroids, moments of inertia, singularity functions (Graded CR/NC).

- **ME 250 - Biomaterials**

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(4)

Prerequisite: CHEM 101. Materials for biomedical applications, their chemical structures, physical and mechanical properties and processing, bio-reaction with biomaterials, bio-integration, implantation, inflammation, immune response, thrombosis, and calcification. Grading ABC/NC.

- **ME 254 - Special Topics Course for Sophomores in Mechanical Engineering**

---

(1-4)

Prerequisites: Sophomore Standing in Mechanical Engineering enrollment subject to approval of instructor in charge. Group Study of selected topics not currently offered as technical electives. Study groups may be organized in mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 303 - Fluid Mechanics I**  
(also listed as CE 303)

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(4)

Prerequisites: PHYS 212. Fundamental principles and methods of fluid mechanics; thermodynamics of fluid flow; Newtonian fluids; equations of fluid flow; laminar and turbulent flow; applications.

- **ME 306 - Heat Transfer I**

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(4)

Prerequisites: MATH 208, PHYS 212. Fundamental principles of heat transfer; conduction, convection, and radiation; applications.

- **ME 310 - Mechanical Engineering Writing Laboratory**

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(1)

Prerequisite: Satisfactory completion of WPE or UNIV 401, and ENGR 150. Technical and laboratory report writing, oral and written communication, introduction to information technology. Technical report writing. Laboratory 3 hours.

- **ME 312 - Strength of Materials Laboratory I**  
(also listed as CE 312)

---

(1)

Prerequisite: CE/ME 205. (may be taken concurrently). Tests of engineering materials in tension, compression, bending, and torsion; verification by experiment of basic theories learned in strength of materials. Laboratory 3 hours.

- **ME 313 - Fluid Mechanics Laboratory I**

(also listed as CE 313)

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(1)

Prerequisite: CE/ME 303. Experiments on fluid properties, fluid statics, conservation of mass, energy, and momentum, and fluid resistance. Laboratory 3 hours.

• **ME 315 - Thermal Systems Laboratory I**

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(1)

Prerequisites: ME 306, 326A. Experiments in heat transfer and thermodynamics; thermophysical properties of fluids; analysis, operation, and performance testing of thermal energy conversion systems. Laboratory 3 hours.

• **ME 320 - Dynamics I**  
(also listed as CE 320)

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(4)

Prerequisite: CE/ME 201. Kinematics and kinetics of rigid bodies; work, kinetic energy, impulse, momentum in two and three dimensions; applications to space mechanics.

• **ME 321 - Kinematics of Mechanisms**

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(4)

Prerequisites: ME 319. Transmission of motion; theory of mechanisms; linkages; gears; cams; belts and chains.

• **ME 323 - Machine Design I**

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(4)

Prerequisites: ME 103, CE/ME 205, ENGR 207, MATH 208. Application of principles of mechanics, properties of materials, and fabrication processes to design of simple machines and structural elements.

• **ME 326A - Thermodynamics I**

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(4)

Prerequisites: MATH 208, PHYS 212. Concepts of equilibrium and temperature; first and second laws of thermodynamics. Properties of pure substances; ideal gases; application of thermodynamic principles to closed and open systems.

• **ME 326B - Thermodynamics II**

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(4)

Prerequisite: ME 326A. Application of thermodynamic principles; steam generators, engines and turbines; combustion, vapor cycles; refrigeration; internal combustion engines.

• **ME 327 - Manufacturing Processes**

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(4)

Prerequisites: ENGR 207, CE/ME 205. Manufacturing properties of metals, alloys, and nonmetallic materials; solidification processes; material forming; material removal; joining processes; unconventional processing; numerical control; and automated processes.

• **ME 350 - Biomechanics**

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(4)

Prerequisite: ME 320. Application of mechanical principles on living things, statics and dynamics of human activities, study of biomechanical mechanisms and structures, and mechanics of materials and tissues. Grading ABC/NC.

- **ME 354 - Special Topics Course for Juniors in Mechanical Engineering**

---

(1-4)

Prerequisites: Junior Standing in Mechanical Engineering enrollment subject to approval of instructor in charge. Group Study of selected topics not currently offered as technical electives. Study groups may be organized in mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 398 - Cooperative Education**

---

(1– 4)

Prerequisites: Approval of student adviser and department chair. Integration of mechanical engineering work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. Graded CR/NC

- **ME 402 - Advanced Mechanics of Materials**

---

(4)

Prerequisites: ME 323, MATH 215. Basic concepts; unsymmetrical beam bending, shear flow, energy methods; the finite element method; theories of failure; introduction to theory of elasticity, plane elastostatic problems; torsion of prismatic cylinders.

- **ME 403 - Aerodynamics**

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(4)

Prerequisites: MATH 208, CE/ME 303. Air-foil characteristics; transonic, supersonic, and viscous effects on lift and drag; power considerations, airplane performances, introduction to airplane and missile stability and control.

- **ME 404 - Compressible Aerodynamics**

---

(4)

Prerequisites: ME 303, ME 326A, ME 306. One-dimensional frictionless flow; flow with friction and heat transfer; normal and oblique shock relations; isentropic waves; airfoil characterization; nozzle flow and design; experimental techniques. Graded ABC/NC.

- **ME 406 - Heat Transfer II**

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(4)

Prerequisites: ME 303, ME 306. Numerical methods in conduction; theory and applications of convection; thermal radiation, condensing and boiling heat transfer; mass transfer special topics.

- **ME 407 - Design of Thermal Systems**

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(4)

Prerequisites: ME 306, 326A. Design in engineering practice; system simulation and optimization; economic, environmental, other constraints; practical aspects of equipment selection; thermal design literature.

- **ME 408 - Fluid Mechanics II**

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(4)

Prerequisites: CE/ME 303; MATH 209. Compressible and incompressible fluid dynamics; continuity, momentum, and energy equations for viscous fluids; circulation and vorticity, Navier-Stokes equation, boundary layer theory, turbulence, two-dimensional flow, three-dimensional flow.

- **ME 409 - Mechanical Engineering Analysis**

---

(4)

Prerequisites: MATH 215, and senior standing. Setup of vibration, heat transfer, fluid flow, and other mechanical engineering systems as ordinary and partial differential equations; analogies between various physical systems. Classical, transform, numerical, and computer-aided methods of solution.

- **ME 410 - Control of Mechanical Systems**

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(4)

Prerequisites: MATH 215, ME 306, PHYS 213. Mathematical models of dynamic systems, fundamentals of feedback control, basic control actions and devices, applications to mechanical systems.

- **ME 411 - Vibrational Analysis I**

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(4)

Prerequisites: CE/ME 320, MATH 215. Analysis of free and forced vibrations with and without damping, systems with several degrees of freedom, vibration isolation, mechanical transients, torsional vibrations, natural frequency computation techniques, finite element analysis software.

- **ME 412 - Strength of Materials Laboratory II**

---

(1)

Prerequisite: CE/ME 312; prerequisite or corequisite: CE 360 or ME 323. Fatigue tests of materials and connections, stress concentration, photoelasticity, creep tests, shock and vibration tests, combined stresses, and individual projects. Laboratory 3 hours.

- **ME 413 - Fluid Mechanics Laboratory II**

---

(also listed as CE 413)

(1)

Prerequisite: CE/ME 313; prerequisite or corequisite: CE 387 or ME 408. Experiments on subsonic and supersonic flow, free surface flow, pumps, turbines, fans, and unsteady flow.

- **ME 414 - Machine Design II**

---

(4)

Prerequisite: ME 323. Design of unit assemblies and machines; materials, safety, lubrication, and construction.

- **ME 415 - Air Conditioning**

---

(4)

Prerequisites: ME 306, 326B. Psychometric properties of air, heat loads, air conditioning and heating equipment, and air distribution.

- **ME 416 - Energy Systems**

---

(4)

Prerequisite: ME 326A. Unconventional energy conversion systems, energy storage, thermoelectric power and refrigeration, absorption refrigeration and cryogenics.

- **ME 418 - Renewable Energy and Sustainability**

---

(4)

Prerequisites: ME 326A, CHEM 101. Global sustainability and the need for renewable energy; energy conversion concepts; latest power generation technologies; political, economic, and ethical complications associated with renewable energy technologies.

- **ME 419 - Computer Aided Mechanical Engineering**

---

(4)

Prerequisite: ME 103, ME 323, ME 303, ME 306, CS 290 (or equivalent). Applications of modern engineering tools in computer-aided design, finite element analysis, computational fluid dynamics and control simulations. Problems in mechanics, heat transfer, fluid dynamics, and control, etc. are covered.

- **ME 421 - Dynamics of Mechanisms**

---

(4)

Prerequisite: CE/ME 320. Application of principles of statics, kinematics, and dynamics to analysis and design of mechanisms with rotating or reciprocating masses.

- **ME 422 - Optimization of Mechanical Engineering Systems**

---

(4)

Prerequisites: MATH 215, ME 306, PHYS 213. Design considerations of mechanical engineering systems; optimization techniques; application of existing computer programs and analytical methods to optimization of mechanical engineering systems.

- **ME 423 - Introduction to the Finite Element Method**

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(4)

Prerequisites: CE/ME 210, CS 290, MATH 215. Corequisites: ME 306, ME 323. Derivation of element stiffness matrices for spring, bar, beam, and constant-strain triangle elements, from energy principles. Application to trusses and frames. Steady-state heat transfer. Use of finite element method software.

- **ME 428 - Automation and Computer-Aided Manufacturing**

---

(4)

Prerequisite: ME 327. Automation of manufacturing processes, numerical control, computer-aided manufacturing, group technology, flexible manufacturing, applications of robots in industry.

- **ME 430 - Properties and Selection of Engineering Materials**

---

(4)

Prerequisites: ENGR 207, ME 327. Production, strengthening, alloying and thermal treatment of metals. Types, properties of polymers, ceramics and composites. Semiconductor materials and devices. Material selection and protection against deterioration.

- **ME 431 - Material Laboratory**

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(1)

Preparation of metallic samples and study of their internal structure by microscopic techniques. Mechanical testing of non-metallic materials: plastics, ceramics and composites.

- **ME 454 - Special Topics in Mechanical Engineering**

---

(1–4)

Prerequisites: Senior standing in mechanical engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 459 - Rehabilitation Design & Internship**

---

(4)



Prerequisite: ME320. Corequisites: ME 321 or 421. Introduction to Rehabilitation & Biomedical Engineering utilizing cutting-edge analysis and measurement tools to apply students' skills to maximize independence and enhance activities of people with disabilities. This course requires Service-Learning.

- **ME 481 - Introduction to Robotics**  
(also listed as EE 481)

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(4)

Prerequisite: EE 360 or ME 410. General considerations of robotic manipulator; spatial description, homogeneous transformations; manipulator kinematics; inverse manipulator kinematics; motion trajectories; static forces.

- **ME 497A - Mechanical Engineering Senior Project**

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(4)

Prerequisite: Satisfactory completion of Writing Proficiency Examination (WPE), senior standing and/or consent of the instructor. Study of engineering design processes. ME 497A includes case studies to discuss the impact of design constraints. Must be taken in sequence starting with ME 497A. Lecture 2 hours, laboratory 6 hours.

- **ME 497B - Mechanical Engineering Senior Project**

---

(4)

Prerequisite: Satisfactory completion of Writing Proficiency Examination (WPE), senior standing and/or consent of the instructor. Study of engineering design processes. 497B and 497C includes the selection and completion of a faculty-supervised project focusing on typical problems encountered in engineering practice and resulting in a formal report and oral presentation. Must be taken in sequence starting with ME 497A. Lecture 2 hours, laboratory 6 hours.

- **ME 497C - Mechanical Engineering Senior Project**

---

(4)

Prerequisite: Satisfactory completion of Writing Proficiency Examination (WPE), senior standing and/or consent of the instructor. Study of engineering design processes. 497B and 497C includes the selection and completion of a faculty-supervised project focusing on typical problems encountered in engineering practice and resulting in a formal report and oral presentation. Must be taken in sequence starting with ME 497A. Lecture 2 hours, laboratory 6 hours.

- **ME 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

### **Mechanical Engineering (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500 level courses*

- **ME 501A - Advanced Mechanics of Particles**

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(4)

Prerequisite: ME 421. Analytical approach to kinematics and dynamics of particles in three-dimensional space.

- **ME 501B - Advanced Mechanics of Rigid Bodies**

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(4)

Prerequisite: ME 501A. Analytical approach to kinematics and dynamics of rigid bodies in three-dimensional space.

- **ME 503 - Design of Mechanical Systems and Products**

---

(4)

Prerequisite: ME 414. Principles of design; value criteria; manufacturing and human factors; computer-aided simulation and analysis; synthesis of design.

- **ME 504 - Thermal Radiation**

---

(4)

Prerequisite: ME 406. Thermodynamics and physics of thermal radiation and its interactions with matter; formulation and solution of radiative transfer equations for surfaces and enclosures by means of exact, approximate, and numerical methods; applications to selected topics.

- **ME 505 - Heat Conduction**

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(4)

Prerequisite: ME 406. Fundamentals of heat conduction, solution of steady and unsteady state heat conduction problems by means of exact, approximate, and numerical methods; applications to selected topics.

- **ME 506 - Heat Convection**

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(4)

Prerequisite: ME 406 or 408. Development of equations describing fluid motion and heat convection. Analytical and experimental results for free and forced convection and for changes in phase.

- **ME 508 - Compressible Fluids**

---

(4)

Prerequisite: ME 408. One-dimensional gas dynamics; shock waves in supersonic flow; flow in ducts and nozzles; applications to high-speed aerodynamics; multidimensional and unsteady frictionless flow; solution by small perturbation theory and method of characteristics.

- **ME 509 - Design and Analysis of Experiments**

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(4)

Prerequisites: ME 409 or equivalent. Emphasis on the planning and design of experiments and the collection and analysis of data obtained from laboratory and field studies related to mechanical Engineering.

- **ME 511 - Vibrational Analysis II**

---

(4)

Prerequisite: ME 411. Analysis of multidegree of freedom systems, continuous systems, random vibrations, finite element software.

- **ME 514 - Fatigue and Failure in Engineering Design**

---

(4)

Prerequisite: ME 402 or ME 414. Elasticity, plastic deformation, imperfections, dislocations, creep, oxidation and corrosion, fatigue, fracture mechanics, cyclic stresses, design against fatigue, procedures for fatigue analysis, and influence of various factors on fatigue failure.

- **ME 521 - Dynamic Systems Analysis**

---

(4)

Prerequisite: ME 409 or 410. Dynamic behavior of physical systems; input-output and state space representation of linear continuous-time and

discrete-time systems; controllability, observability, and stability of linear systems; examples of mechanical, thermal, fluid, and electrical systems.

- **ME 522 - Optimal Control of Mechanical Systems**

---

(4)

Prerequisite: ME 410 or 422. State space representation of continuous-time and discrete-time dynamic systems, problem statement of optimal control and performance index, maximum principle, design of linear optimal control systems, mechanical system examples.

- **ME 525 - Computational Fluid Dynamics**

---

(4)

Prerequisite: ME 406 or ME 408. Use of computational fluid dynamics for the study of fluid flow, heat transfer, and mass transfer. Transfer mechanisms include advection, convection, and diffusion. Sample applications include mass flow through piping systems and over objects, heat exchangers, evaporators, and boilers.

- **ME 528 - Metalforming Science and Applications**

---

(4)

Prerequisite: ME 414. Nature and purpose of metalworking theory, determination of working loads, drawing and rolling of flat slabs and strips, deep drawing, extrusion, forging, punching and piercing, friction and lubrication in metalworking.

- **ME 529 - Machining Science and Applications**

---

(4)

Prerequisite: ME 414. Deformation of materials during machining; mechanics of orthogonal cutting; cutting fluids; tool wear; tool life and machinability; vibrations in cutting; practical machining operations; and modern machining processes.

- **ME 530 - Near-Net-Shape Manufacturing and Surface Treatment**

---

(4)

Prerequisite: ME 430. Near-net-shape forging and casting of parts, powder metallurgy, metal injection molding. Sheet metal deformation, joining and fastening processes. Surface texture, treatments and coatings. Engineering metrology. Friction, wear and lubrication.

- **ME 531 - Processing of and Design with Modern Engineering Materials**

---

(4)

Prerequisite: ME 430. Manufacturing of ceramics, glasses and composites. Design using composites. Processing of polymers semiconductors and superconductors. Rapid prototyping. Fabrication of printed wire boards. Introduction to microelectronic devices, microelectromechanical systems (MEMS) and nano-technology.

- **ME 554 - Special Graduate Topics in Mechanical Engineering**

---

(1–4)

Prerequisites: As needed for specific topic. Current topics of interest to graduate students in Mechanical Engineering, as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **ME 559 - Advanced Rehabilitation Design and Internship**

---

(4)

Prerequisite: ME459. Advanced multi-disciplinary design analysis and synthesis to analyze, create and test solutions to maximize independence and enhance activities of people with disabilities. This course requires Service-Learning.

- **ME 596 - Comprehensive Examination**

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(0)

Permission needed by department. Students who select the comprehensive examination (ME 596) should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements.

- **ME 597 - Graduate Research**

---

(1–5)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Graded CR/ NC.

- **ME 598 - Graduate Directed Study**

---

(1–4)

Prerequisites: Instructor consent to act as sponsor, and departmental approval. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

- **ME 599 - Thesis**

---

(1–4)

Prerequisites: Advancement to candidacy, instructor consent to act as a sponsor, college approval of the topic prior to registration. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/ NC.

#### Microbiology (Undergraduate)

- **MICR 151 - Biology of Microorganisms**

---

(4)

Inquiry-based course in microbiology designed for non-majors; content addresses the impact of microorganisms on the human experience and the biosphere; laboratory application of selected procedures. No credit if taken after any other college microbiology course. Lecture 3 hours, laboratory 3 hours.

GE B1

- **MICR 201 - Microbiology for Health Related Sciences**

---

(4)

Prerequisites: BIOL 100B or 200A and 200B with a grade of C or higher; CHEM 102 or 151 with a grade of C or higher. Basic function and structure of microorganisms; host-parasite relationships, infectious diseases, immunology and serology, epidemiology, antimicrobial agents, and chemotherapy. Lecture 4 hours.

- **MICR 202 - Microbiology Laboratory for Health Related Sciences**

---

(2)

Corequisite: MICR 201. Laboratory methods used in studying microorganisms; aseptic techniques, environmental influences on microorganisms, microbial interrelationships; water microbiology and sanitation; immunology and infectious disease diagnosis. Laboratory 6 hours.

- **MICR 300 - General Microbiology**

---

(5)

Prerequisites: BIOL 100B; CHEM 102. Structure, growth, nutrition, metabolism, genetics and diversity of microbes; introduction to environmental, industrial, and medical aspects of microbiology and biotechnology. Lecture 3 hours; laboratory 6 hours.

## • MICR 301 - General Medical Microbiology

---

(4)

Prerequisite: MICR 300 with grade of C or higher. Host-parasite- drug interactions; isolation, culture, and identification of human normal flora. Lecture 2 hours, laboratory 6 hours.

## • MICR 302 - Pathogenic Bacteriology




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(5)

Prerequisite: MICR 301 with grade of C or higher. Bacteriology and pathology of infectious bacterial diseases of humans; diagnostic procedures for identification of major pathogens. Lecture 3 hours, laboratory 6 hours.




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## Course Descriptions

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### Microbiology (Undergraduate)

#### • **MICR 304 - Immunology and Serology**

---

(5)

Prerequisites: MICR 302, CHEM 301A, 302A, each with a grade of C or higher. Immune response, cellular and humoral, induction of immunity, detection of antibodies, principal serologic methods evaluation of immune response; three sections: fundamental immunology, serology, and clinical immunology. Lecture 3 hours, laboratory 6 hours.

#### • **MICR 331 - Structure and Function of Bacteria**

---

(3)

Prerequisites: MICR 300; CHEM 301A; prerequisite or corequisite: 302A. Function of bacteria, emphasis on structure and growth.

#### • **MICR 340 - Microbial Genetics**

---

(3)

Prerequisite: Grade of C or higher in MICR 300. Principles of microbial genetics with emphasis on genetic exchange, genetic manipulation, and applications with environmentally, industrially, and medically significant organisms.

#### • **MICR 396 - Honors Thesis in Microbiology**

---

(1–3)

Prerequisites: Upper division standing, 40 units in the major, ENGL 102, admission to the Microbiology Honors program. Independent research in microbiology culminating in a written thesis, seminar presentation, and oral defense. Must be repeated until 5 units have been completed, after which no additional units may be taken. Graded CR/NC.

#### • **MICR 398 - Cooperative Education** (see UNIV 398)

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(1–4)

Cooperative Education

#### • **MICR 401 - General Virology**

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(3)

Prerequisite: MICR 340 or BIOL 340 plus 380. Basic principles of virology; emphasizes properties, classification, multiplication, genetics, and viral-host interactions of bacterial, animal, and plant viruses.

#### • **MICR 410 - Hematology**

---

(4)

Prerequisites: MICR 301; CHEM 431A. CHEM 431A may be taken concurrently. Normal hematopoiesis and hemostasis and how defects in

the normal processes affect the blood, anemias, leukemias, coagulation, and other hematologic or nonhematologic disorders. Lecture 3 hours, laboratory 3 hours.

- **MICR 412 - Introduction to Epidemiology**  
(also listed as HS 412)

---

(4)

Fundamental principles in studying the distribution and determinants of health states and events in specified populations and implications for health and safety promotion and disease and injury prevention.

- **MICR 420 - Emerging and Re-Emerging Infectious Diseases**

---

(4)

Prerequisites: BIOL 100C or MICR 201 and 202 or MICR 300 or instructor consent. Microbiology and pathogenesis of infectious diseases in today's news, forces driving their appearance, and tools for their recognition, identification and control. Emphasis on primary literature and group discussions.

- **MICR 430 - Bacterial Physiology**

---

(3)

Prerequisites: MICR 331; CHEM 431A, 432A; corequisites: CHEM 431B, 432B. Bacterial physiology with emphasis on biochemical events related to cellular differentiation and basic bacterial biochemical pathways.

- **MICR 433 - Bacterial Physiology Laboratory**

---

(2)

Corequisite: MICR 430. Experimental work to accompany MICR 430. Laboratory 6 hours.

- **MICR 440 - Fungal Pathogenesis**

---

(4)

Prerequisites: One of the following. MICR 340, BIOL 340, or consent of instructor. Molecular principles of microbial pathogenesis with a focus on pathogenic fungi that infect humans. Emphasis on primary literature, student presentations and group discussions.

- **MICR 450 - Innate Immunity**

---

(4)

Prerequisites: One of the following BIOL 380, MICR 201 + MICR 202, MICR 300, or instructor consent. First line immune defenses from concepts to molecules. Up-to-date experimental approaches, scientific data analysis and distribution. Lecture 2 hours, laboratory 3 hours, recitation 1 hour.

- **MICR 454L - Special Topics in Microbiology**

---

(1–4 each)

Prerequisites: Upper division standing, others as needed for specific topics. Topics of current interest in microbiology, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

- **MICR 454P - Activities in Special Topics in Microbiology**

---

(1–3)

Prerequisites: Upper division standing, others as needed or specific topics. Corequisite: MICR 454L. Activities related to topics of current interest in microbiology, as announced in Schedule of Classes. MICR 454L and 454P may be repeated to a maximum of 8 units total.

- **MICR 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and a final report submitted. May be repeated for credit. Graded CR/NC.

#### Modern Languages (Undergraduate)

- **ML 140 - Modern Languages and the Criminal Justice System**

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(4)

Prerequisite: Completion of any course in a language other than English is recommended. Introduction to verbal behavior in languages other than English in settings common to the criminal justice system.

- **ML 150 - Building a Modern Languages Portfolio**

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(1)

Assessment of language proficiency, content knowledge, and portfolio design. Required of all Modern Languages majors upon beginning program. Graded CR/NC.

- **ML 154 - Special Topics in (a) Modern Language**

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(1–5)

Topics of special interest to students of modern language, as announced in Schedule of Classes.

- **ML 180 - Chinese Written Symbols in Asian and Asian American Communities  
(also listed as AAAS 180)**

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(4)

Development of Chinese characters, similarity and dissimilarity in their usage among Asian countries, and their impact on Asian's and Asian American's cultural identities.

- **ML 300 - Language Diversity in Urban America**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. NIS account required. Study of the nature and socio-cultural impact of language diversity in urban America.

**GE Theme D**

- **ML 301A - Advanced Study of (a) Strategic Language**

---

(4)

Prerequisite: Intermediate-level Summer Intensive courses in one of the languages offered by CSU campuses participating in the Strategic Language Initiative project, or equivalent. Permit from Department and NIS account required. Advanced study language such its Arabic, Farsi, Korean, or Russian with emphasis on reading and writing in students' major fields.

- **ML 301B - Advanced Study of (a) Strategic Language**

---

(4)

Prerequisite: Intermediate-level Summer Intensive courses in one of the languages offered by CSU campuses participating in the Strategic Language Initiative project, or equivalent. Permit from Department and NIS account required. Advanced study language such its Arabic, Farsi, Korean, or Russian with emphasis on reading and writing in students' major fields.



- **ML 301C - Advanced Study of (a) Strategic Language**

---

(4)

Prerequisite: Intermediate-level Summer Intensive courses in one of the languages offered by CSU campuses participating in the Strategic Language Initiative project, or equivalent. Permit from Department and NIS account required. Advanced study language such as Arabic, Farsi, Korean, or Russian with emphasis on reading and writing in students' major fields.

- **ML 312 - Mediterranean and Pre-Columbian Myths in Latin America Literature**  
(also listed as CHS 312)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course in Block C.

**Critical readings of modern Latin American narrative fiction, poetry and drama, with interpretive emphasis in their allusions to Greco-Roman and Pre-Columbian myths.**

- **ML 354L - Special Topics in (a) Modern Language**

---

(1–4)

Prerequisites: As needed for specific topic. Topics of special interest to students in modern languages as announced in Schedule of Classes.

- **ML 354P - Special Topics in (a) Modern Language**

---

(1–4)

Prerequisites: As needed for specific topic. Topics of special interest to students in modern languages as announced in Schedule of Classes.

- **ML 382 - Maturity and Aging in East Asia and Romance Literatures**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Critical examination and comparison of the themes of maturity, aging and human development in East Asian and Romance literatures.

**GE Theme F**

- **ML 389 - Human Emotions in Literary Expression**  
(also listed as ENGL 389)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C.

**Emotions such as love, anger, laughter, fear, joy, sorrow, guilt, pain or oppression, as represented in prose and poetic forms of various cultures.**

- **ML 392 - Literary Gazette**

---

(1–4)

Prerequisites: Upper Division standing, instructor consent. Techniques of producing a university literary magazine. May be repeated to maximum of 6 units. Graded CR/NC.

- **ML 396 - Early Field Experience in Language Teaching**

---

(4)

Prerequisites: Major status in a single-subject matter preparation program and approval by chair or principal undergraduate advisor after completion of 12 upper-division units. Study of the Foreign Language Framework for California Public Schools in conjunction with practical field experience. Observe language classes in public schools.

- **ML 399 - Directed Reading**

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(1-4)

Prerequisite: Consent of adviser. Readings in a modern language about topics of interest to student under direction of faculty member; regular oral and/or written reports in the language.

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• **ML 400 - Research Methods in Modern Languages**

---

(4)

Prerequisite: Satisfactory completion of Graduation Writing Assessment Requirement (GWAR). Exploration of methods of research and documentation in the field of modern languages and literatures. Writing research papers, reports, and essays. All discussions and writing in English.

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• **ML 403 - Current Approaches to Teaching and Assessment in Languages other than English**

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(4)

Prerequisite: ML 396. Current approaches to teaching languages, emphasizing the communicative approach and technology-enhanced language learning. Introduction to language assessment. Study of LOTE Subject Matter Standards. Course taught in English.

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• **ML 410 - Chicana and Mexican Women Writers**  
(Also listed as CHS 413 and WOMN 410)

---

(4)

Prerequisite: ENGL 305 or SPAN 300A or equivalent. Reading knowledge of Spanish, class discussions and instruction in English. Comparative study of contemporary Mexican and Chicana female writers with a focus on gender and sexuality issues, and their particular historical and cultural context.

---

• **ML 450 - Modern Languages Exit Assessment**

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(1)

Documentation of meetings with mentor, completion of exit assessment and survey, and submission of portfolio. Required of all Modern Languages majors in last quarter of study. Graded CR/NC.

---

• **ML 460 - Cultural Crosscurrents in Literature**

---

(4)

Prerequisite: Upper Division standing. Study of a distinctive theme, movement, or genre in a number of Western and non-Western literatures in languages other than English. Conducted in English. May be repeated to maximum of 8 units for credit as content changes.

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• **ML 487 - Latin American Literature in Translation**  
(Also listed as ENGL 487)

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(4)

Critical examination of Latin American literature, with emphasis on post-independence and modern periods.

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• **ML 496 - Instructional Practicum**

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(4)

Prerequisites: ML 403, and approval by chair. Required of all teaching associates; experience in the teaching of a second language at the university level. Weekly progress meetings required.

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• **ML 499 - Undergraduate Directed Study**

---

(1-4)

Prerequisite: Consent of adviser. Reading in a modern language about topics of interest to student under direction of faculty member; regular

oral and/or written reports in the language. May be repeated to a maximum of 8 units.

### **Modern Languages (Graduate)**

- **ML 901 - Modern Language Reading Exam**

---

(0)

Required for student who must demonstrate competence in a foreign language as part of a degree program. Students must enroll each quarter in which they expect to take the examination.

### **Music (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 400*

- **MUS 100 - Supplemental Music Theory Practice**

---

(1)

Prerequisite: Permission of the instructor, concurrent enrollment in MUS 161A or 161B or other designated course. Supplemental practice with music theory content, writing and editing theory assignments. Regularly scheduled meetings with the music theory tutor. May be repeated to maximum of 4 units. Graded CR/NC

- **MUS 101 - Concert/Recital Attendance**

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(0)

Attendance at department recitals and concerts. Required attendance at a minimum of four recitals per quarter. May be repeated a maximum of 12 times. Graded CR/NC.

- **MUS 115A - Strings**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 6 units.

- **MUS 115B - Strings**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 6 units.

- **MUS 116A - Woodwinds**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 6 units.

- **MUS 116B - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to maximum of 6 units.

- **MUS 117A - Brass**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 6 units.

- **MUS 117B - Brass**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 6 units.

- **MUS 118A - Percussion**

---

(1)

Prerequisite Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 6 units.

- **MUS 118B - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 6 units.

- **MUS 119A - Applied Music: Commercial Music**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in music technology commercial composition, and commercial arranging. May be repeated to a maximum of 6 units.

- **MUS 119B - Applied Music: Commercial Music**

---

(2)

Prerequisite: For students in the BM degree program. Students admitted by audition only. Instruction in music technology, commercial composition, commercial arranging, and pedagogy. May be repeated to a maximum of 6 units.

- **MUS 121 - Symphony Orchestra**

---

(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard orchestral literature and contemporary orchestral works. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

- **MUS 122 - Wind Ensemble**

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(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard ensemble literature and contemporary ensemble work. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

- **MUS 124 - Jazz Ensemble**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard Jazz Orchestra literature, including original and published arrangements. Meets minimum of 3 hours weekly. May be repeated to a maximum of 12 units.

- **MUS 126 - Concert Choir**

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(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard choral literature and contemporary choral works. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

- **MUS 127 - Opera Workshop**

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(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard operatic literature both scenes and full productions. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

- **MUS 128 - Vocal Jazz Ensemble**

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(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard and contemporary vocal jazz literature. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

- **MUS 135A - Voice**

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(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 6 units.

- **MUS 135B - Voice**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 6 units.

- **MUS 143A - Class Piano Instruction I**

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(1)

Prerequisite: Ability to read music notation. Development of piano skills: technique of harmonization and transposition, score reading, sightreading, and accompaniment. Activity 2 hours.

- **MUS 143B - Class Piano Instruction II**

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(1)

Prerequisite: MUS 143A or the equivalent. Development of piano skills: technique of harmonization and transposition, score reading, sightreading, and accompaniment. Activity 2 hours.

- **MUS 143C - Class Piano Instruction III**

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(1)

Prerequisite: MUS 143B or the equivalent. Development of piano skills: technique of harmonization and transposition, score reading, sightreading, and accompaniment. Activity 2 hours.

- **MUS 145A - Piano**

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(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 6 units.

- **MUS 145B - Piano**

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(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 6 units.

- **MUS 146A - Organ**

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(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to a maximum of 6 units.

- **MUS 146B - Organ**

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(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to maximum of 6 units.

- **MUS 147 - Keyboard Harmony and Sight Reading**

---

(1)

Corequisite: MUS 145 or 343C. Keyboard harmony and sight reading music on the piano: chord progressions, harmonization, patterns of pitch and rhythmic notation. Activity 2 hours. May be repeated to maximum of 3 units.

- **MUS 150 - Music in World Culture**

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(4)

Study of the music of many cultures within a broad humanities framework of visual arts, literature, history, and philosophy. A written project is required.

**GE C2**

- **MUS 151 - Classical Music in Western Culture**

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(4)

Introduces the student to the major styles, genres, and forms of Western classical music within the context of the many cultures in which it developed.

**GE C2**

- **MUS 152 - The Roots of Rock and Pop Music in American Culture**

---

(4)

The origins of popular music in the United States, and its place in contemporary society, culture, and diverse communities.

**GE C2**

- **MUS 156 - Jazz in American Culture**

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(4)

Study of different eras and styles of Jazz in the United States and the social forces that shape it.

**GE C2**

- **MUS 157 - Musical Expressions of the Latino Communities in the USA**

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(4)

Study of Latino musical expressions in the United States and the social forces that shape them.

GE C2

- **MUS 160 - Music Fundamentals**

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(4)

Exploring basic musical elements common to the major world cultures through improvisation; emphasis on rhythm, melody, harmony, texture, and form.

GE C2

- **MUS 161A - Music Theory I**

---

(3)

Prerequisites: MUS 160 or instructor approval. Corequisite MUS 162ABC, 243ABC. Integrated approach to music theory: essentials of harmony, counterpoint, form, and keyboard experience emphasized. Meets 3 hours weekly.

- **MUS 161B - Music Theory II**

---

(3)

Prerequisites: MUS 160 or instructor approval. Corequisite MUS 162ABC, 243ABC. Integrated approach to music theory: essentials of harmony, counterpoint, form, and keyboard experience emphasized. Meets 3 hours weekly.

- **MUS 161C - Music Theory III**

---

(3)

Prerequisites: MUS 160 or instructor approval. Corequisite MUS 162ABC, 243ABC. Integrated approach to music theory: essentials of harmony, counterpoint, form, and keyboard experience emphasized. Meets 3 hours weekly.

- **MUS 162A - Musicianship I**

---

(1)

Prerequisite: MUS 160 or instructor approval. Must be taken concurrently with 161ABC and 243 ABC; Sight-singing, eartraining, keyboard application, and aural analysis correlated with 161 ABC. Meets 2 hours weekly.

- **MUS 162B - Musicianship II**

---

(1)

Prerequisite: MUS 160 or instructor approval. Must be taken concurrently with 161ABC and 243 ABC; Sight-singing, eartraining, keyboard application, and aural analysis correlated with 161 ABC. Meets 2 hours weekly.

- **MUS 162C - Musicianship III**

---

(1)

Prerequisite: MUS 160 or instructor approval. Must be taken concurrently with 161ABC and 243 ABC; Sight-singing, eartraining, keyboard application, and aural analysis correlated with 161 ABC. Meets 2 hours weekly.

- **MUS 169 - Introduction to Music: Music Technology I**

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(2)

Introductory class in computer usage, computer sequencing, computer notation, MIDI and synthesizer basics, and other music software and hardware.

- **MUS 170 - Introduction to Music: Music Literature**

---

(2)

Prerequisite: MUS 169. Introduction to music for majors and minors: listening, elements of music, and basic styles and genres of western classical and world musics.

- **MUS 190 - Exploring Sound, Movement, and Melody in Preschool Teaching**

---

(4)

Pre-school child learning activities to explore sound, movement, song activities; learn basic song repertoire for young children and basic developmental movement skills. Not applicable to GE or credential requirements. Lecture 2 hours, laboratory 4 hours.

- **MUS 191 - Introduction to Music In Schools**

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(2)

Introduction to choral, instrumental, and general music teaching techniques. Current approaches to music education are explored and observed in area elementary and secondary schools.

- **MUS 211 - Orchestral Instruments**

---

(1)

Prerequisite or Corequisite: MUS161A and MUS 162A; enrollment in an appropriate ensemble required. Class instruction in theory and performance of orchestral instruments or guitar. Open to majors, minors and non-majors with instructor approval. Meets 3 hours weekly. May be repeated to maximum of 6 units.

- **MUS 211B - Brass and Percussion**

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(3 each)

Class instruction in theory and performance of orchestral instruments; ensemble experience provided. Designed for all music majors and minors except those with an instrumental focus. Meets 4 hours weekly.

- **MUS 211S - Strings**

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(3 each)

Class instruction in theory and performance of orchestral instruments; ensemble experience provided. Designed for all music majors and minors except those with an instrumental focus. Meets 4 hours weekly.

- **MUS 211W - Woodwinds**

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(3 each)

Class instruction in theory and performance of orchestral instruments; ensemble experience provided. Designed for all music majors and minors except those with an instrumental focus. Meets 4 hours weekly.

- **MUS 215A - Strings**

---

(1)

Prerequisite: MUS 115A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 6 units.

- **MUS 215B - Strings**

---



(2)

Prerequisite: For students in BM degree programs. MUS 115B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 6 units.

### • **MUS 216A - Woodwinds**

---

(1)

Prerequisite: MUS 116A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 6 units.

### • **MUS 216B - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. MUS 116B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to maximum of 6 units.

### • **MUS 217A - Brass**

---

(1)

Prerequisite: MUS 117A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 6 units.

### • **MUS 217B - Brass**

---

(2)

Prerequisite: For students in BM degree programs. MUS 117B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 6 units.

### • **MUS 218A - Percussion**

---

(1)

Prerequisite: MUS 118A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 6 units.

### • **MUS 218B - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. MUS 118B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 6 units.

### • **MUS 219A - Applied Music: Commercial Music**

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(1)

Prerequisite: MUS 119A or jury examination. Instruction in music technology, commercial composition, and commercial arranging. May be repeated to a maximum of 6 Units.

### • **MUS 219B - Applied Music Commercial Music**

---

(2)

Prerequisite: For students in BM degree programs. MUS 119B or jury examination. Instruction in music technology, commercial composition, and commercial arranging. May be repeated to a maximum of 6 units.

## • MUS 230 - Elementary Voice Instruction




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(2)

Primarily for students not majoring in music. Technique of voice production, study of song interpretation, emphasis upon recreational singing, some attention to elementary musicianship and remedial problems. Meets 4 hours weekly. May be repeated to maximum of 6 units.

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## Course Descriptions

### Music (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 400

#### • MUS 235A - Voice

---

(1)

Prerequisite: MUS 135A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 6 units.

#### • MUS 235B - Voice

---

(2)

Prerequisite: For students in BM degree programs. MUS 135B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 6 units.

#### • MUS 243A - Class Piano Instruction IV

---

(1)

Prerequisite: MUS 143C or the equivalent of keyboard skills. Development of intermediate keyboard skills. Work on improvisation, transposition, literature, chord progressions, and basic solo repertoire. Activity 2 hours.

#### • MUS 243B - Class Piano Instruction V

---

(1)

Prerequisite: MUS 243A or the equivalent of keyboard skills. Development of intermediate keyboard skills. Work on improvisation, transposition, literature, chord progressions, and basic solo repertoire. Activity 2 hours.

#### • MUS 243C - Class Piano Instruction VI

---

(1)

Prerequisite: MUS 243B or the equivalent of keyboard skills. Development of intermediate keyboard skills. Work on improvisation, transposition, literature, chord progressions, and basic solo repertoire. Activity 2 hours.

#### • MUS 243D - Piano Proficiency Examination

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(0)

Piano-proficiency is required of all music majors prior to graduation. This requirement may be fulfilled by either completing the class-piano sequence through MUS 243C or by passing MUS 243D. Graded CR/NC.

#### • MUS 244A - Introduction to Organ and Harpsichord

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(1)

Corequisite: MUS 245. Introduction to Organ: Design, Technique, and Literature.

• **MUS 244B - Introduction to Organ and Harpsichord**

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(1)

Corequisite: MUS 245. Introduction to Harpsichord: Design, Technique and Literature.

• **MUS 245A - Piano**

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(1)

Prerequisite: MUS 145A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 6 units.

• **MUS 245B - Piano**

---

(2)

Prerequisite: For students in BM degree programs. MUS 145B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 6 units.

• **MUS 246A - Organ**

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(1)

Prerequisite: MUS 146A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to a maximum of 6 units.

• **MUS 246B - Organ**

---

(2)

Prerequisite: For students in BM degree programs. MUS 146B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to maximum of 6 units

• **MUS 247 - Keyboard Sight Reading/Ensemble**

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(1)

Prerequisite: MUS 145. Development of sightreading skills and ensemble experience on the piano: score reading and reduction technique. May be repeated to total of 6 units.

• **MUS 261A - Music Theory IV**

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(3)

Prerequisite: MUS 161C, 162C. Must be taken concurrently with 262ABC. Continued study of materials of music using more complex forms and more difficult techniques and styles. Writing emphasis on student's performing medium. Meets 3 hours weekly.

• **MUS 261B - Music Theory V**

---

(3)

Prerequisite: MUS 161C, 162C. Must be taken concurrently with 262ABC. Continued study of materials of music using more complex forms and more difficult techniques and styles. Writing emphasis on student's performing medium. Meets 3 hours weekly.

• **MUS 261C - Music Theory VI**

---

(3)

Prerequisite: MUS 161C, 162C. Must be taken concurrently with 262ABC. Continued study of materials of music using more complex forms and more difficult techniques and styles. Writing emphasis on student's performing medium. Meets 3 hours weekly.

- **MUS 262A - Musicianship IV**

---

(1)

Prerequisites: MUS 161C, 162C. Must be taken concurrently with 261ABC. Sight singing, ear training, keyboard application, and aural analysis correlated with MUS 261ABC. Activity two hours.

- **MUS 262B - Musicianship V**

---

(1)

Prerequisites: MUS 161C, 162C. Must be taken concurrently with 261ABC. Sight singing, ear training, keyboard application, and aural analysis correlated with MUS 261ABC. Activity two hours.

- **MUS 262C - Musicianship VI**

---

(1)

Prerequisites: MUS 161C, 162C. Must be taken concurrently with 261ABC. Sight singing, ear training, keyboard application, and aural analysis correlated with MUS 261ABC. Activity two hours.

- **MUS 263 - Introduction to Composition**

---

(2)

Prerequisites: MUS 161C, 162C. Rudimentary skill in music composition including short works for instrumental duo and accompanied voice. Introduction to recent compositional practices. Must be completed in advance of the junior recital in music composition. May be repeated to a maximum of 4 units.

- **MUS 300 - Career Planning and Writing in Music**

---

(3)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Combined career assessment/planning with writing skills. Career component includes assessment, job opportunities, and planning. Extensive writing practice of projects useful to the field.

- **MUS 312 - Orchestral Instruments A-H**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 312A - Strings**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 312C - Woodwinds**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 312E - Brass**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 312G - Percussion**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 312H - Guitar**

---

(2)

Prerequisites: MUS 161ABC and 162ABC. Development of performance proficiencies on orchestral instruments and guitar. Emphasis on instrument pedagogy. Meets 4 hours weekly. Each section may be repeated to a maximum of 4 units if different instruments are studied.

- **MUS 315A - Strings**

---

(1)

Prerequisite: MUS 215A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 6 units.

- **MUS 315B - Strings**

---

(2)

Prerequisite: For students in BM degree programs. MUS 215B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 6 units.

- **MUS 316A - Woodwinds**

---

(1)

Prerequisite: MUS 216A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 6 units.

- **MUS 316B - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. MUS 216B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. Maybe repeated to maximum of 6 units.

- **MUS 317A - Brass**

---

(1)

Prerequisite: MUS 217A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 6 units.

- **MUS 317B - Brass**

---

(2)

Prerequisite: For students in BM degree programs. MUS 217B or jury examination. Instruction in technique, repertoire, literature, and

pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 6 units.

- **MUS 318A - Percussion**

---

(1)

Prerequisite: MUS 218A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 6 units.

- **MUS 318B - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. MUS 218B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 6 units.

- **MUS 320 - Symphonic Band**

---

(1)

Prerequisite: Instructor consent. Preparation and performance of standard and contemporary literature of the symphonic band. Meets minimum of 4 hours weekly. May be repeated to maximum of 12 units.

- **MUS 321 - Orchestral Performance and Practice**

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(1)

Prerequisite: Instructor consent by audition. Exploration in standard symphonic orchestral repertoire, performance practice, and audition preparation. Meets up to 4 hours per week. May be repeated to maximum of 12 units.

- **MUS 322 - Wind Ensemble**

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(1)

Prerequisite: Instructor consent. Preparation and performance of standard and contemporary wind literature. Activity 4 hours. May be repeated to maximum of 12 units.

- **MUS 325 - Accompanying Ensemble**

---

(1)

Prerequisite: Instructor consent. Preparation and public performance of standard and contemporary ensemble literature, which includes a keyboard instrument. Meets minimum of 4 hours weekly. May be repeated to maximum of 12 units.

- **MUS 326 - Concert Choir**

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(1)

Prerequisite: Instructor consent through audition. Preparation and public performance of standard choral literature and contemporary choral works. Concerts given on and off campus. Meets minimum of 4 hours weekly. May be repeated to maximum of 12 units.

- **MUS 327 - University Chorus**

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(1)

Preparation and performance of standard choral literature, primarily in large forms, with accompaniment. Meets minimum of 4 hours weekly. May be repeated to maximum of 12 units.

- **MUS 329 - International Choir**

---

(1)

Prerequisite: Instructor consent. Preparation and performance of international choral literature, both masterworks and smaller works, from all cultural origins. Meets minimum of four hours weekly. May be repeated to a maximum of 12 units.

## • **MUS 330 - Principles of Applied Vocal Development**

---

(3)

Prerequisite: MUS 230 or one year of choral experience. Open to music majors and minors only. Principles of correct vocal production development through lecture and demonstration with laboratory experience in solo singing. Analysis by class members and instructor. Lecture 2 hours, laboratory 2 hours.

## • **MUS 335A - Voice**

---

(1)

Prerequisite: MUS 235A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 6 units.

## • **MUS 335B - Voice**

---

(2)

Prerequisite: For students in BM degree programs. MUS 235B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 6 units.

## • **MUS 340 - BM Junior Recital**

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(0) units)

Prerequisite: Consent of major professor. Junior level standing in applied music study. Corequisites: One of the following: MUS 315, 316, 317, 335, 345, 346. Performance of a 30 minute Junior Recital.

## • **MUS 345A - Piano**

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(1)

Prerequisite: MUS 245A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 6 units.

## • **MUS 345B - Piano**

---

(2)

Prerequisite: For students in BM degree programs. MUS245B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 6 units.

## • **MUS 346A - Organ**

---

(1)

Prerequisite: MUS 246A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to a maximum of 6 units.

## • **MUS 346B - Organ**

---

(2)

Prerequisite: For students in BM degree programs. MUS 246B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to maximum of 6 units.



- **MUS 352 - History of Popular Music**

---

(4)

Prerequisite: MUS 261C, MUS 262C. Development of American popular music from the 19th century to the present. Emphasis on the roots of rock and roll. Analysis of repertoire, form, genre, style, and performance.

- **MUS 358 - Music of the Oppressed in Latin America**

---

(4)

Prerequisite: Completion of GE Basic Subjects and at least one course each from blocks B, C, and D. Analysis of musical expressions within a social, political and historical context, that were created by oppressed groups in Latin America and Latinos in the United States.

**GE Theme A ; Approved diversity course**

- **MUS 362 - Orchestration and Arranging**

---

(4)

Prerequisites: MUS 261C, 262C; prior completion of MUS 211 or 312 recommended. Theory of writing for instrumental ensembles, Instrumentation, basic instrumental acoustics, study of orchestral scores, and introduction to symphonic orchestration and arranging.

- **MUS 366 - Jazz and Commercial Harmony**

---

(3)

Prerequisite: MUS 261C. The study of the fundamental aspects of harmony and composition in relation to jazz and commercial music, including harmonic progressions, melodic design and rhythm.

- **MUS 367A - Jazz, Rock, and Popular Piano Techniques**

---

(1)

Prerequisite: 343C or consent of instructor. Keyboard harmony, styles, and concepts employed in the commercial and popular music fields. Activity 2 hours.

- **MUS 367B - Jazz, Rock, and Popular Piano Techniques**

---

(1)

Prerequisite: 343C or consent of instructor. Keyboard harmony, styles, and concepts employed in the commercial and popular music fields. Activity 2 hours.

- **MUS 367C - Jazz, Rock, and Popular Piano Techniques**

---

(1)

Prerequisite: 343C or consent of instructor. Keyboard harmony, styles, and concepts employed in the commercial and popular music fields. Activity 2 hours.

- **MUS 368A - Jazz Improvisation**

---

(2)

Prerequisites: MUS 161C, MUS 162C. Basic improvisation technique, including scales, chords, simple harmonic progressions, and standard blues literature characteristic of jazz idiom. Meets 3 hours weekly.

- **MUS 368B - Jazz Improvisation**

---

(2)

Prerequisite: MUS 368A. Continuation of development of improvisational techniques with emphasis on standard jazz literature. Meets 3 hours weekly.

- **MUS 368C - Jazz Improvisation**

---

(2)

Prerequisite: MUS 368B. Continued development of improvisational techniques, composition, and transcription of jazz melodies. Meets 3 hours weekly.

- **MUS 369 - Music Technology II**

---

(2 Units)

Prerequisites: MUS 161C, 162C, 243C. Continuing preparatory class in computer usage, computer sequencing, computer notation, MIDI and synthesizer basics, other music software and hardware, and basic music recording principles.

- **MUS 370 - History of Music in Western Civilization I**

---

(4)

Prerequisites: 261C, 262C, and 170. Survey of music in general culture, emphasizing evolution of musical style and practice.

- **MUS 371 - History of Music in Western Civilization II**

---

(4)

Prerequisites: 261C, 262C, and 170. Survey of music in general culture, emphasizing evolution of musical style and practice.

- **MUS 372 - History of Music in Western Civilization III**

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(4)

Prerequisites: 261C, 262C, and 170. Survey of music in general culture, emphasizing evolution of musical style and practice.

- **MUS 380 - Beginning Conducting**

---

(3)

Prerequisites: MUS 261C, 262C. Elements of baton techniques, interpretation, score reading, and rehearsal techniques utilizing suitable choral and instrumental literature. Meets 4 hours weekly.

- **MUS 384 - Introduction to Commercial Songwriting**

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(2)

Prerequisite: MUS 261C, MUS 262C, MUS 366, MUS 368A Introduction to the techniques of contemporary commercial songwriting. Melodic, harmonic and lyric writing in the context of contemporary popular music.

- **MUS 385 - Introduction to Film Scoring**

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(2)

Prerequisite: MUS 261C, MUS 262C, MUS 362, MUS 366. Introduction to the techniques of composing music for film and television.

- **MUS 386 - Introduction to Recording**

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(2)

Introduction to the techniques of analog and digital recording.

## **MUS 387 - Lead Sheet and Chart Writing for Commercial Music**

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(3)

Prerequisite: MUS 261 C, MUS 262 C. MUS 366. Techniques of creating and reading lead sheets and chord charts for commercial music. Students will also learn to translate between different styles of chord chart, including Nashville style and classical figured bass, and to transcribe.

## **• MUS 388 - Introduction to the Business of Music**

---

(2)

Prerequisite: MUS 261C, MUS 262C An introduction to the legal and business practices of the music industry. Topics include: copyright, record contracts, band agreements, licensing material, unions, digital publishing, ownership rights, film and television music, and basic music practices.

## **• MUS 390 - Performance Techniques for the Recording Studio**

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(2)

Prerequisite: MUS 169. Introduction to the techniques of musical performance in the recording studio environment.

## **• MUS 400 - Elementary Classroom Music**

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(3)

Investigation of the perceptual, expressive, historical and cultural components of music relevant to the elementary classroom. Meets 4 hours weekly.

## **• MUS 401 - Elementary General Music Techniques**

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(3)

Prerequisites: MUS 261C and 262C. Comparison of ideas and practices relevant to the teaching of elementary general music in grades K-12. Observation and participation laboratory provided.

## **• MUS 402 - World Musics**

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(3)

Prerequisites: MUS 161C and 162C. Introduction to musical styles of world cultures with emphasis on theory, forms, instruments and sociological implications. Influence of world musics on popular musical styles.

## **• MUS 403 - Training Select Children's Choirs**

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(3)

Prerequisites: MUS 330, 380. Choral techniques as applied to children with vocal ability or interest prior to and during voice change. Arranged visits with school and community children's choir rehearsals. Meets 3 hours weekly.

## **• MUS 404 - Acoustical Analysis of Instrument Construction**

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(3)

Prerequisite: MUS 312 A-H. Physical and acoustical principles of musical instrument construction with laboratory experience in evaluation and maintenance of instruments. Meets 4 hours weekly.

## **• MUS 405A - Approaches to Piano Teaching.**

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(3)

Prerequisite: MUS 345. Approaches to Piano Teaching.

- **MUS 405B - Materials for Beginning/Intermediate Piano Students**

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(3)

Prerequisite: MUS 345. Observation of teaching.

- **MUS 406 - Comparative Vocal Techniques**

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(3)

Prerequisite: MUS 330. Comparative analysis of theories of vocal production as applied to the child voice, changing voice, and mature voice; study of the literature for each category.

- **MUS 407 - Instrumental Techniques I**

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(3)

Prerequisite: Completion of 312 series or equivalent knowledge of orchestral instruments. Comparison of ideas and practices relevant to the teaching of instrumental music at the elementary and junior high school levels. Observation and participation in laboratory provided. Lecture 2 hours, activity 2 hours.

- **MUS 408 - Choral Techniques**

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(3)

Prerequisites: MUS 261C, 262C, 330, 480. Period, style, form, and other technical aspects of literature suitable for various types of vocal ensembles, and analysis of performance problems. Lecture 2 hours, activity 2 hours.

- **MUS 409 - Instrumental Techniques II**

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(3)

Prerequisite: Completion of 312 series or equivalent knowledge of orchestral instruments. Comparison of ideas and practices relevant to the teaching of instrumental music at the high school level. Observation and participation in laboratory provided. Lecture 2 hours, activity 2 hours.

- **MUS 411 - Performance Repertoire**

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(1)

Prerequisite: Completion of 200-level studio lessons with B or better, or admission to BM or MM degree program. Solo repertoire for voice, brass, winds, percussion, strings, or piano; emphasis on analysis, interpretation, and performance of representative literature. May be repeated to maximum of 12 units.

- **MUS 415A - Strings**

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(1)

Prerequisite: MUS 315A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 6 units.

- **MUS 415B - Strings**

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(2)

Prerequisite: For students in BM degree programs. MUS 315B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 6 units.

- **MUS 416A - Woodwinds**

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(1)

Prerequisite: MUS 316A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 6 units.

- **MUS 416B - Woodwinds**

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(2)

Prerequisite: For students in BM degree programs. MUS 316B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to maximum of 6 units.

- **MUS 417A - Brass**

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(1)

Prerequisite: MUS 317A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 6 units

- **MUS 417B - Brass**

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(2)

Prerequisite: For students in BM degree programs. MUS 317B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 6 units.

- **MUS 418A - Percussion**

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(1)

Prerequisite: MUS 318A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 6 units.

- **MUS 418B - Percussion**

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(2)

Prerequisite: For students in BM degree programs. MUS 318B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 6 units.

- **MUS 420A - String Ensemble: Orchestral Instruments**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 4 hours weekly.

- **MUS 420B - String Ensemble: Guitars**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard guitar ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 4 hours weekly.

- **MUS 421A - Woodwind Ensemble: For mixed woodwind instruments (for example, flute; oboe; clarinet and bassoon; and flute trios).**

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(1)

Prerequisite: Instructor Consent Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

- **MUS 421B - Woodwind Ensemble: For clarinet choir, clarinet, and saxophone trios.**

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(1)

Prerequisite: Instructor Consent Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

- **MUS 422 - Brass Ensemble**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

- **MUS 423A - Percussion Ensemble: Orchestral Percussion**

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(1)

Prerequisite: Instructor's consent. Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. May be repeated to a maximum of twelve units. Meets a minimum of four hours weekly.

- **MUS 423B - Percussion Ensemble: Latin Percussion**

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(1)

Prerequisite: Instructor's consent. Rehearsal and performance of Latin-American percussion music using traditional Latin American percussion instruments. Historical background and instrument maintenance will be covered. May be repeated to a maximum of twelve units. Meets a minimum of four hours weekly.

- **MUS 424 - Jazz Ensemble**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard Jazz orchestra literature, including original and published arrangements. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.




- **MUS 425 - Chamber Singers**

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(1)

Prerequisite: Instructor consent by audition. Choral music from 15th century to present with special attention to madrigals; music of all styles for choral ensemble of twenty or less. Concerts on and off campus. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

## Course Descriptions

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### Music (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 400

#### • **MUS 426 - Opera Repertory, Performance, and Production**

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(1)

Prerequisite: Instructor consent. Training in the preparation and performance of operatic repertory. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

#### • **MUS 427 - Afro-Latin Ensemble**

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(1)

Prerequisite: Consent of instructor. Rehearsal and performance of Latin-Jazz including Afro-Cuban music as well as rhythms from other Latin-American countries for a medium size ensemble. May be repeated to a maximum of 12 units.

#### • **MUS 428 - New Music Ensemble**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of 20th century chamber music literature with special emphasis on recent works and student compositions. Meets minimum of 3 hours weekly. May be repeated to maximum of 12 units.

#### • **MUS 429 - Jazz Ensemble: Small**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of jazz literature for small ensemble (2-9 players) in a variety of combinations. May be repeated to maximum of 12 units.

#### • **MUS 430 - Mariachi Ensemble**

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(1)

Prerequisite: Consent of instructor. Rehearsal and performance of music in the Mariachi tradition with an emphasis on its historical and cultural development. May be repeated to a maximum of 12 units.

#### • **MUS 431 - Proseminar: Theory Pedagogy**

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(4)

Prerequisite: MUS 261C. Comparative study of various techniques, procedures, and instructional materials used in teaching music theory with special emphasis on new instructional media.

#### • **MUS 432 - Computer Notation**

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(2)

Prerequisites: MUS 369. Methods in the utilization of computer music software for professional music manuscript preparation. Lecture 1 hour, activity 2 hours.

### • **MUS 434 - Introduction to Phonetics for Musicians**

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(2)

Introduction to International Phonetics Alphabet and its symbols and sounds, prepares students for success in any specific language diction course; through lectures, listening, speaking, translating and transcribing song texts. Lecture: 1 hour, activity 2 hours

### • **MUS 435A - Voice**

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(1)

Prerequisite: MUS 335A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 6 units.

### • **MUS 435B - Voice**

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(2)

Prerequisite: For students in BM degree programs. MUS 335B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 6 units.

### • **MUS 436F - French Diction for Singers**

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(2)

Prerequisite: MUS 434 or equivalent. Thorough study of phonemes of French language via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire with open-class recital at conclusion of quarter. Lecture 1 hour, activity 2 hours.

### • **MUS 436G - German Diction for Singers**

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(2)

Prerequisite: MUS 434 or equivalent. Thorough study of phonemes of German language via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire with open-class recital at conclusion of quarter. Lecture 1 hour, activity 2 hours.

### • **MUS 436I - Italian Diction for Singers**

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(2)

Prerequisite: Instructor Consent, MUS 434 or equivalent. Thorough study of phonemes of Italian language via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire with open-class recital at conclusion of quarter. Lecture 1 hour, activity 2 hours.

### • **MUS 436S - Spanish and English Diction for Singers**

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(2)

Prerequisite: MUS 434 or equivalent. Thorough study of phonemes of Spanish and English languages via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire with open-class recital at conclusion of quarter. Lecture 1 hour, activity 2 hours.

### • **MUS 437A - Song Repertoire and Interpretation – French**

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(2)

Prerequisite: Upper division standing. Survey of French language song literature in all periods of music history. Emphasis on student



performances of representative selections.

- **MUS 437B - Song Repertoire and Interpretation – German**

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(2)

Prerequisite: Upper division standing. Survey of German language song literature in all periods of music history. Emphasis on student performances of representative selections.

- **MUS 437C - Song Repertoire and Interpretation - English and Italian**

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(2)

Prerequisite: Upper division standing. Survey of English and Italian language song literature in all periods of music history. Emphasis on student performances of representative selections.

- **MUS 439 - Introduction to Music Librarianship**

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(4)

Course offered online only. Introduction to the necessary skills of music librarianship. The course is designed for someone working in a music library who is not a trained librarian, or a librarian with limited music background. Repeatability: None.

- **MUS 440 - BM Senior Recital**

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(0) units)

Prerequisites: Consent of major professor. Senior level standing in applied music study. Corequisites: One of the following: MUS 415, 416, 417, 435, 445, 446. Performance of a 50 minute Senior Recital.

- **MUS 441 - BA Senior Recital**

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(0) units)

Prerequisites: Consent of major professor. Senior level standing in applied music study. Corequisites: One of the following: MUS 415, 416, 417, 435, 445, 446. Performance of a 20 minute Senior Recital.

- **MUS 444 - Commercial Music Ensemble**

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(1)

Prerequisite: Instructor consent. Rehearsal and performance of commercial songs and material including but not limited to the blues, classic rock, roll, acid rock, heavy metal, folk rock standards, current popular music, and original material. Meets a minimum of three hours weekly. May be repeated to a maximum of twelve units.

- **MUS 445A - Piano**

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(1)

Prerequisite: MUS 345A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 6 units.

- **MUS 445B - Piano**

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(2)

Prerequisite: For students in BM degree programs. MUS 345B or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 6 units.

- **MUS 446A - Organ**

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(1)

Prerequisite: MUS 346A or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of organ. May be repeated to a maximum of 6 units.

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• **MUS 447 - Accompanying**

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(2)

Prerequisite: Instructor consent. Training in performance styles of different periods and combinations of performers and in the specific tasks of accompanying. Practical experience through guided performance with vocalists and instrumentalists. Meets 4 hours weekly. May be repeated to maximum of 6 units.

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• **MUS 448 - Live Concert Recording**

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(4)

Prerequisite: MUS 386. Introduction to the techniques of recording live music.

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• **MUS 452 - History of Jazz**

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(4)

Nature and processes of jazz with concentration on its historical background and development in the U.S., and its resultant impact on culture and music worldwide.

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• **MUS 454L - Special Topics in Music**

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(1–4)

Prerequisites: Upper division standing: specific prerequisites subject to course content. Selected topics reflecting specific issues, problems, and interests in music, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

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• **MUS 454P - Special Topics in Music**

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(1–4)

Prerequisites: Upper division standing: specific prerequisites subject to course content. Selected topics reflecting specific issues, problems, and interests in music, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

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• **MUS 458 - Music of Latin America**

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(4)

Prerequisite: MUS 150. Development of understanding of and appreciation for music of Latin America; examination of representative works from folk and art music of the twenty republics.

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• **MUS 460 - Composition**

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(3)

Prerequisites: MUS 261C, 262C and 362. Writing for small instrumental and/or vocal ensembles. May be repeated to maximum of 18 units.

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• **MUS 461 - Choral Arranging**

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(3)

Prerequisites: MUS 261C, 262C. Writing and arranging for vocal groups, problems in arranging for the usual school groups, and creative arranging in smaller vocal forms.

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• **MUS 462 - Advanced Orchestration and Arranging**

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(3)

Prerequisite: MUS 362. Survey of techniques necessary for orchestrating compositions for symphonic band and symphony orchestra; special attention given to problems encountered in public school bands and orchestras.

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• **MUS 463 - Counterpoint**

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(3)

Prerequisites: MUS 261C, 262C. Eighteenth century contrapuntal techniques, including some work in the species; invertible counterpoint, motive development, two- and three-part inventions, and the fugue.

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• **MUS 464 - Musical Form**

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(3)

Prerequisites: MUS 261C, 262C. Analytic techniques for study of balance in organization of musical material.

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• **MUS 465 - Contemporary Techniques**

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(4)

Prerequisites: MUS 261C, 262C. Techniques used in contemporary composition.

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• **MUS 466A - Jazz Arranging: Beginning**

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(3)

Prerequisite: MUS 368C. Basic arranging techniques. Emphasis on arranging for small jazz ensembles with practical writing experience. Will cover voicings, scoring practices, calligraphy and contemporary trends within the medium.

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• **MUS 466B - Jazz Arranging: Advanced**

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(3)

Prerequisite: MUS 466A. Advanced arranging techniques for jazz and studio orchestras, including use of extended forms, woodwind doubles and unusual meter. May be repeated to maximum of 9 units.

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• **MUS 467 - Music Composition for Television and Films**

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(3)

Prerequisites: MUS 366, 462, 469. Techniques used in composing music for television and film productions; practical writing experience.

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• **MUS 468 - Jazz Pedagogy**

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(3)

Prerequisite: MUS 368C or instructor consent. Techniques and materials for teaching jazz improvisation, jazz arranging, jazz history, and jazz ensemble.

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• **MUS 469 - Music Technology III**

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(3)

Prerequisites: MUS 362, 369. Computer music composition and arranging; recording, sequencing, editing, mixing, sound sources. Lecture 2 hours, activity 2 hours.

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• **MUS 470 - History and Literature of Opera**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of opera from Baroque to present; discussion and analysis of representative opera texts and scores with emphasis on visual experience.

- **MUS 471 - History and Literature of Large Vocal Forms**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of large vocal forms from Baroque to present; discussion and analysis of representative works including masses, cantatas, and oratorios.

- **MUS 472 - History and Literature of Vocal Solo Music**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of solo song from Baroque to present; discussion and analysis of representative art songs and vocal chamber music.

- **MUS 473 - History and Literature of Symphonic Music**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of symphonic music from pre-classicism to present; discussion and analysis of representative orchestral scores.

- **MUS 474 - History and Literature of Chamber Music**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of instrumental chamber music from Renaissance to present; discussion and analysis of representative works.

- **MUS 475 - History and Literature of Keyboard Music**

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(4)

Prerequisites: MUS 370, 371, and 372. Development of keyboard music from Renaissance to present; discussion and analysis of representative works for keyboard instruments including harpsichord, organ, and piano.

- **MUS 477 - History and Literature of Wind Band in U.S.**

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(4)

Prerequisites: MUS 370, 371, and 372. History of wind band in U.S.; emphasis on twentieth century literature.

- **MUS 478 - Music History Review**

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(4)

Prerequisites: MUS 370, 371, and 372 or consent of instructor. Comprehensive review of the history of music. Designed particularly for returning students who need to review the history of music. Does not fulfill MA or MM degree requirements.

- **MUS 479 - Music Theory Review**

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(4)

Prerequisites: MUS 261C and 262C, or consent of instructor. Comprehensive review of the principles of music theory and analysis. Designed particularly for returning students who need to review the principles of music theory and analysis. Does not fulfill MA or MM degree requirements.

- **MUS 480 - Choral Conducting**

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(3)

Prerequisite: MUS 380. Application of basic conducting techniques to problems of choral conducting. May be repeated to maximum of 9 units. Meets 4 hours weekly.

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• **MUS 481 - Instrumental Conducting**

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(3)

Prerequisite: MUS 380; 312 recommended. Experience offered in transposition, score reading, baton technique, and interpretation of symphonic literature; recognition of psychologically sound rehearsal procedure. Meets 4 hours weekly.

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• **MUS 483 - Analysis of Jazz Styles and Literature**

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(3)

Prerequisites: MUS 261C, 262C, 368C, 452. Survey of significant jazz composers, their contributions and performance practices; analyses of representative compositions and improvisations.

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• **MUS 484 - Commercial Songwriting**

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(3)

Prerequisites: MUS 261C, 262C, 362, 366, 368AB. Techniques of songwriting. Melodic, harmonic writing with lyrics in the context of contemporary commercial music.

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• **MUS 485 - Chamber Music**

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(1)

Study and performance of selected works from the duo, trio, quartet, or larger chamber ensemble literature. Activity 4 hours. May be repeated to maximum of 12 units.

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• **MUS 486 - Recording Techniques**

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(2)

Prerequisite: Upper division standing. Techniques of audio recording currently in use in studio and concert settings. Multitrack and master recording using digital and analog formats. May be repeated to maximum of 6 units.

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• **MUS 486B - Advanced Recording Techniques**

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(4)

Prerequisite: MUS 486A. Advanced concepts of modern recording and mixing practice.

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• **MUS 487 - Senior Project**

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(1–4)

Prerequisite/Corequisite: MUS 261C, MUS 372. Project in lieu of a recital for students enrolled in the Bachelor of Arts, General Option. The project is selected in consultation with the major adviser. May be repeated to a maximum of 4 units. Graded CR/NC.

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• **MUS 488 - Music Technology IV**

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(3)

Prerequisite: MUS 469. Advanced computer music composition; digital recording, editing, mixing, sound sources. Continuation of MUS 469. Lecture 2 hours, activity 2 hours.

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• **MUS 489 - Instructional Technology for the Music Educator**

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(3)

Prerequisite: MUS 261C. Computer applications for musicians, familiarity with available software, integrating computer technology into the music classroom and the development of a teaching module. Lecture 2 hours, activity 2 hours.

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• **MUS 490 - Music for Early Childhood**

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(4)

Prerequisites: EDFN 413, CHDV 220, PSY 412A. Music activities suitable for the young child. Includes five field trips for observation of children in preschool or kindergarten and primary situations. May not be taken in lieu of MUS 400.

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• **MUS 493 - Solfege I**

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(3)

Prerequisite: MUS 261C. Introduction to the pentatone through ear training, sight singing, reading, writing, and interval study. Explores pentatonic melodies with tonal counters on do, la, re and sol. Introduction to the Curwen hand signs.

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• **MUS 494 - Kodaly Methodology Level I**

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(4)

Prerequisite: MUS 401. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level I presents pedagogy for preschool through grade 2. Additional 15 contact hours required for national certification. Lecture 3 hours, activity 2 hours.

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• **MUS 495 - Orff-Schulwerk Certification Level I**

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(4)

Prerequisite: MUS 401. Basic Orff pedagogy for working with pentatonics on do and la, beginning movement experiences and introduction to the soprano recorder. Follows AOSA guidelines for Level I certification. Lecture 3 hours, activity 2 hours.

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• **MUS 496 - Demonstration of Competencies in Music Education**

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(1)

A capstone examination in which students must demonstrate musical competency in five areas: senior recital, piano proficiency, conducting skills, ear training/ sightsinging, and music history and theory.

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• **MUS 498 - Cooperative Education**

(see UNIV 498)

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(2)

Cooperative Education

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• **MUS 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated to a maximum of 12 units for credit.

**Music (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 400*

*Classified graduate standing in Music or equivalent music background is required for admission to all 500 level courses.*

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• **MUS 500 - Research Techniques in Music**

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(2)

Basic bibliography, survey of literature, methods of research in music and music education, and practice in organizing and reporting data, both oral and written.

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• **MUS 501 - Psychology of Music**

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(4)

Prerequisites: MUS 497, introductory course in psychology or educational psychology, at least 30 units in music. Musical personality, perception of musical characteristics, musical taste, and theories of learning applied to music; survey of standardized tests of musical aptitude and achievement.

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• **MUS 502 - Seminar: Music Education**

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(4)

Prerequisites: MUS 497, baccalaureate with major in music education, at least one year of teaching experience. Evaluation of research and various philosophies, methods, and trends in music education.

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• **MUS 503 - Musics in World Cultures for the Music Educator**

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(4)

Gaining knowledge and understanding of musics of nonwestern origin through experiences in listening and active participation. Curriculum development projects in multicultural music education for students in K-12 programs.

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• **MUS 504 - Evaluation and Testing in Music**

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(4)

Measurement and evaluation of music behaviors. Acquaints students with standardized tests in music aptitude and achievement. Emphasizes teacher-made tests measuring cognitive psychomotor and affective outcomes.

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• **MUS 507 - Seminar: Vocal Techniques**

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(4)

Prerequisite: MUS 406. Seminar and critique on psychophysiological approach to vocal techniques. Designed for experienced teachers, soloists, and choir directors. Individual research and class demonstration.

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• **MUS 508 - Seminar: Choral Music**

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(4)

Prerequisites: MUS 408, 497. Survey of choral literature with emphasis on stylistic and performance practice considerations.

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• **MUS 509 - Seminar: Instrumental Music Education**

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(4)

Prerequisites: MUS 407 or 409; 497. Survey and criteria for selection and interpretation of instrumental music.

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• **MUS 510 - Graduate Choral Ensemble**

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(1)

Prerequisite: Instructor consent by audition. Student will be required to perform additional duties such as: conducting sectionals, preparation of program notes. May be repeated to a maximum of 9 units.

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• **MUS 511 - Graduate Instrumental Ensemble**

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(1)

Prerequisite: Instructor consent by audition to Symphonic Band or Symphony Orchestra. Student will be required to perform additional duties such as: conducting sectionals, preparation of program notes. May be repeated to a maximum of 9 units.

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• **MUS 519A - Applied Music: Orchestral Instruments**

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(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 6 units.

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• **MUS 519B - Applied Music: Instrumental**

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(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction (at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 6 units.

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• **MUS 520 - Applied Music: Conducting**

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(2)

Prerequisite: Instructor consent. Private instruction in score preparation and conducting technique as applied to specific literature for band, orchestra, choir, or other selected ensembles. May be repeated to maximum of 6 units.

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• **MUS 530A - Advanced Style Analysis: Chronological Survey to 1700.**

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(4)

Prerequisites: MUS 464, 465. Advanced analytical techniques applied to study of musical styles as related to period, genre, geographic region, and individual composers.

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• **MUS 530B - Advanced Style Analysis: From 1700 to the Present**

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(4)

Prerequisites: MUS 464, 465. Advanced analytical techniques applied to study of musical styles as related to period, genre, geographic region, and individual composers.

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• **MUS 530C - Popular Music Style Analysis**

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(4)

Prerequisite: Admission to the M.M. Commercial Music option or permission of the Instructor. Advanced analytical techniques applied to the study of popular music styles as related to period, genre and individual composers.

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• **MUS 535A - Applied Music: Voice**

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(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 6 units.

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• **MUS 535B - Applied Music: Voice**

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(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 6 units.



- **MUS 545 - The Business of Music**

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(3)

Review of contracts, copyright, licensing, unions and basic business practices used in the commercial music industry.

- **MUS 546 - Seminar: Commercial Music**

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(4)

Prerequisite: MUS 545. Practical, theoretical, and philosophical approaches for achieving success as a professional musician in the commercial music industry; emphasis on discourse with professionals in Los Angeles.

- **MUS 547A - Advanced Orchestration and Arranging for Contemporary Media: Small Sized Combinations**

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(4)

Prerequisites: MUS 462, 466B, 484, 488. Advanced techniques in arranging and orchestrating music for film, radio and television commercials, and records; emphasis on writing for medium-sized (4-8) MIDI instruments and live instrumental ensembles.

- **MUS 547B - Advanced Orchestration and Arranging for Contemporary Media: Medium Sized Combinations**

---

(4)

Prerequisite: MUS 547A. Advanced techniques in arranging and orchestrating music for film, radio commercials, and records; emphasis on writing for medium-sized (9-24) instrumental and vocal ensembles with MIDI instruments included.

- **MUS 547C - Advanced Orchestration and Arranging for Contemporary Media: Large Sized Combinations**

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(4)

Prerequisite: MUS 547B. Advanced techniques in arranging and orchestrating music for film, radio commercials, and records; emphasis on writing for large studio orchestras.

- **MUS 548 - Advanced Orchestration and Arranging for Afro-Latin Ensembles**

---

(4)

Prerequisite: MUS 362 or equivalent. Study of advanced arranging and orchestrational techniques used in Afro-Latin music ensembles. Idiomatic writing for Afro-Latin instruments such as tumbadoras, timbales, bongos and maracas.

- **MUS 549A - Applied Music, Keyboard Instruments**

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(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 6 units.

- **MUS 549B - Applied Music: Keyboard Instruments**

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(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction (at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 6 units.

- **MUS 551 - Music Practicum**

---

(1)

Prerequisites: Graduate standing in music or instructor approval. Integrated theoretical and practical approaches to rehearsal and performance

issues in graduate instrumental or vocal music.

- **MUS 552 - Music Internship**

---

(1 -3)

Prerequisites: Graduate standing and instructor approval. Graduate internships in professional music environments, including: commercial music; music: production; music management; music education; or collaborative music-making (on or off campus). May be repeated to a maximum of 7 quarters (or up to 14 units total)

- **MUS 557 - Seminar: Afro-Latin Music**

---

(4)

Prerequisite: Instructor's consent. Study of practical, theoretical and philosophical topics concerning Afro-Latin music; emphasis on discourse with professional musicians in Los Angeles. May be repeated to a maximum of 8 units.

- **MUS 558 - Histories and Literature of Afro-Latin Music**

---

(4)

Prerequisite: MUS 458. Study of representative composers and music from the various Afro-Latin cultures. The course includes stylistic, formal, and thematic score analysis of representative works from the music literature.

- **MUS 559 - History and Literature of American Popular Music**

---

(4)

Prerequisite: Consent of Instructor. Development of American popular music from the 18th century to the present. Study of representative composers and songs. Analysis of repertoire, form genre, style and performance.

- **MUS 560 - Advanced Composition**

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(4)

Prerequisite: MUS 460. Free composition in selected vocal and instrumental forms. May be repeated to maximum of 12 units.

- **MUS 568 - Seminar: Performance**

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(4)

Prerequisite: 400-level applied music course. Student performance with critiques highlighting stylistic, aesthetic, and practical components that influence musical performance; artist performances (taped or live) and critiques; preparation of graduate recital.

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# Course Descriptions

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## Music (Graduate)

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 400*

*Classified graduate standing in Music or equivalent music background is required for admission to all 500 level courses.*

- **MUS 569 - Seminar: Composition**

---

(4)

Prerequisites: MUS 497, 560. Philosophies and aesthetic theories involved in contemporary music; compositional problems and projects of an advanced nature intended to synthesize previous creative skills and techniques. May be repeated to maximum of 8 units.

- **MUS 570 - Music of the Medieval Period**

---

(4)

Characteristics of Medieval period; analysis of representative works; music in relation to other arts and medieval society.

- **MUS 571 - Music of Renaissance Period**

---

(4)

Discussion of stylistic characteristics of music of Renaissance; formal, technical, and thematic score analysis of representative works, accompanied by live or recorded performance.

- **MUS 572 - Music of Baroque Period**

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(4)

Characteristics of Baroque music; analysis of representative works and performance practices; music in relation to Baroque arts and society.

- **MUS 573 - Music of Classic Period**

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(4)

Characteristics of Classic period; analysis of representative works; music in relation to 18th century arts and society.

- **MUS 574 - Music of Romantic Period**

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(4)

Characteristics of Romantic period; analysis of representative works; music in relation to 19th century arts and society.

- **MUS 575 - 20th Century Music to 1945**

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(4)

Characteristics of 20th century music from 1900 to 1945; analysis of representative works; music in relation to early 20th century arts and society.

- **MUS 576 - 20th Century Music Since 1945**

---

(4)

Characteristics of 20th century music from 1945 to present; analysis of representative works; music in relation to avant-garde arts and society.

- **MUS 579 - Seminar: Musicology**

---

(4)

Prerequisite: MUS 497. Specific musicological problems reported by students and discussed by class. May be repeated to maximum of 12 units.

- **MUS 580 - Advanced Choral Conducting**

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(4)

Prerequisite: MUS 480. Analysis of conducting problems of standing choral literature, including both accompanied and unaccompanied music; study of metric relationships, less frequently used conducting patterns, and survey of literature. May be repeated to maximum of 8 units.

- **MUS 581 - Advanced Instrumental Conducting**

---

(4)

Prerequisite: MUS 481. Analysis and preparation for conducting major works for symphonic band and orchestra. May be repeated to maximum of 8 units.

- **MUS 582 - Music Technology V**

---

(3)

Prerequisite: MUS 488. Advanced sound design and production; the uses of Pro Tools for music composition and arranging.

- **MUS 583 - Seminar: Conducting**

---

(4)

Prerequisites: MUS 480 or 481; 580 or 581; 508; 509;497. Conducting topics; study of literature, analytical procedures, and rehearsal techniques applicable to choral and instrumental conducting. May be repeated to maximum of 12 units.

- **MUS 584 - Solfège II**

---

(3)

Prerequisite: MUS 493. Further development of aural, vocal and visual skills through sight singing and ear training with emphasis on diatonic scales through the use of movable do solmization. Includes rhythmic, melodic and harmonic dictation.

- **MUS 585 - Solfège III**

---

(3)

Prerequisite: MUS 584. Further development of aural, vocal and visual skills through sight singing and ear training with emphasis on modal scales, modulation and chromaticism. Includes a teaching practicum.

- **MUS 586 - Kodaly Methodology Level II**

---

(4)

Prerequisite: MUS 494. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level II presents pedagogy for grades 3-5. Additional fifteen contact hours required for national certification. Lecture 3 hours, activity 2 hours.

- **MUS 587 - Orff-Schulwerk Certification Level II**

---

(4)

Prerequisite: MUS 495. Basic Orff pedagogy for working with modal music, folk dance in 5 and 7 meters and introduction to the alto recorder. Follows AOSA guidelines for Level II certification. Lecture 3 hours, activity 2 hours.

- **MUS 588 - Kodaly Methodology Level III**

---

(4)

Prerequisite: MUS 586. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level III presents pedagogy for middle school and high school instruction. Additional fifteen contact hours required for national certification. Lecture 3 hours, activity 2 hours.

- **MUS 589 - Orff-Schulwerk Certification Level III**

---

(4)

Prerequisite: MUS 587. Orff pedagogy for major-minor, the addition of tenor and bass recorders and a teaching practicum of original music and movement. Follows AOSA guidelines for Level III certification. Lecture 3 hours, activity 2 hours.

- **MUS 592 - Advanced Film Scoring, Songwriting and Music Production**

---

(4 units)

Prerequisites: MUS 467, 481, 484, and 488. Intensive scoring, songwriting, and music production techniques for students with previous experience. Enhanced sound and production skills. Specific relationships between music and film will be explored. Lecture: 3 hours, activity 2 hours.

- **MUS 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **MUS 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 12 units.

- **MUS 599 - Thesis or Project**

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(1–4)

Prerequisites: MUS 497, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 4 units. Graded CR/NC.

## **Multimedia Courses**

- **MM 450A - Introduction to Multimedia: Planning a Multimedia Product**

---

(4)

Prerequisite: Completion of Skill Set requirement for multimedia minor and permission of Multimedia Minor Coordinator. Introduction to the tools and techniques used in multimedia. Team skill assessment. Selection, preliminary design, and planning for this year's product.

- **MM 450B - Designing and Developing a Multimedia Product**

---

(4)

Prerequisite: MM 450A completed the previous quarter with a grade of B- or better. The class will work as a team to complete the detailed design and develop the components for the Multimedia product planned during the previous quarter in MM 450A.

- **MM 450C - Integration and Post-Production for a Multimedia Product**

---

(4)

Prerequisite: MM 450B completed the previous quarter with a grade of B- or better. Using the components and framework developed during the previous quarter in MM 450B, the class will work as a team to integrate, edit, test, revise, polish, package, and otherwise complete the development of this year's Multimedia product.

## **Natural and Social Sciences (Undergraduate)**

- **NSS 101 - Introduction to Higher Education: Living an Examined Life**

---

(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded ABC/NC

## Freshmen IHE and Block E

- **NSS 301 - Transition to Cal State L.A. for Natural and Social Science Majors**

---

(2)

Exploration of skills and resources that will help the transfer student attain degree objectives. This course fulfills the University requirement for an introduction to higher education course for transfer students. NIS account required. Graded ABC/NC.

- **NSS 354 - Special Topics**

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(1–4)

Prerequisite; varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **NSS 454 - Special Topics in Natural and Social Sciences**

---

(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest to students in Natural and Social Sciences, as announced in the Schedule of Classes. May be repeated to a maximum of 8 units for credit

## Natural Science (Undergraduate)

- **NATS 180 - Motion and Energy for Elementary Teachers**

---

(3)

Primarily for the Elementary Subject Matter program. Basic concepts in motion, energy, heat, sound light and electricity, which are correlated with the California science standards for the Multiple Subject credential. Topics illustrated by activities and demonstrations. Lecture 2 hours, activity 2 hours. Students may not receive credit for both NATS180 and NATS185.

- **NATS 181 - Structure and Properties of Matter for Elementary Teachers**

---

(3)

Primarily for the Elementary Subject Matter Program. Basic concepts in chemistry, which are correlated with the California science standards for the Multiple Subject credential. Topics illustrated by activities and demonstrations. Lecture 2 hours, activity 2 hours.



## **NATS 182 - Topics in Space Science for Elementary Teachers**

---

(2)

Primarily for students preparing for the Multiple Subject credential. Basic facts and concepts about the Universe required by California science standards for the Multiple Subject credential. Topics illustrated by activities and demonstrations. Lecture 1 hour, activity 2 hours.

- **NATS 183 - Earth Science for Elementary Teachers**

---

(4)

Primarily for students preparing for the Multiple Subject credential. Basic concepts in earth science correlated with the California science standards for the Multiple Subject credential. Topics illustrated by demonstrations and activities. Lecture 3 hours, activity 2 hours. Some sections of the course may be taught online.

- **NATS 398 - Field Observations in Science Education**

---

(2)

Early field experiences of science education in 9th-12th grade schools, activities conducted in the course correlate with content/concepts from the California standards for professional teacher preparation programs.

- **NATS 461 - Topics in Physical Science Content and Pedagogy**

---

(4)

Prerequisite: Completion of the GE natural science Block B. Topics in physical science are presented that illustrate both content and pedagogy appropriate for K-6 teachers. Lecture 3 hours, activity 2 hours.

- **NATS 462 - Topics in Life Science Content and Pedagogy**

---

(4)

Prerequisite: Completion of the GE natural science Block B. Topics in life science are presented that illustrate both content and pedagogy for K-6 teachers. Lecture 3 hours, activity 2 hours.

- **NATS 495 - Natural Science Field Studies**

---

(4)

Prerequisites: Completion of Natural Science core requirements and adviser approval. Interdisciplinary application of the concepts of science for field and laboratory studies of the physical and biological environments. Lecture 2 hours, Laboratory 6 hours.

- **NATS 496A - Natural Science Field Studies and Pedagogy**

---

(3)

Prerequisites: Completion of the Natural Science core requirements, approval of the Natural Science adviser, admission to the Single Subject credential program, EDSE 401, EDSE 415. Design and proposal of an interdisciplinary science field/laboratory project and a related secondary instructional unit. Strategies, objectives, and methods of teaching science in the urban setting. Lecture 1 hour, Laboratory 6 hours.

- **NATS 496B - Natural Science Field Studies and Pedagogy**

---

(3)

Prerequisite: NATS496A. Carry out and present the results of an interdisciplinary science field/laboratory project. Create a related secondary instructional unit and peer-teach selected lessons. Strategies, objectives, and methods in the teaching of science in the urban setting. Lecture 1 hour, Laboratory 6 hours.

### **Nursing (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **NURS 100 - Introduction to Professional Nursing Process and Skills I**

---

(2)

Prerequisite: Admission to the Generic Nursing program. Corequisites: NURS 105, 214, 272, 273. Introduction to nursing process, documentation, nursing informatics, comfort measures and medical/surgical asepsis, self care, safety, pain management, elimination, hygiene, mobility, sleep, wound care, nutrition and methods of feeding.

- **NURS 105 - Introduction to Professional Nursing Process and Skills Laboratory I**

---

(1)

Prerequisites: Admission to the Generic Nursing program. Corequisites: NURS 100; 214; 272; 273 and all required clinical documentation per student handbook. Clinical application of nursing therapeutics: nursing process, documentation, comfort measures and medical/surgical asepsis. Concepts of safety, elimination, hygiene, mobility and sleep and nutrition are included.

## **NURS 210 - Introduction to Professional Nursing Process and Skills II**

---

(3)

Prerequisites: NURS 100; 105; 214; 272; and 273; NTRS 317 or 250. Corequisites: NURS 211, 215 and 250. The nursing process will be the foundation for providing care to patients experiencing fluid/electrolyte imbalance, metabolic and musculoskeletal dysfunction and rehabilitation. Includes principles of pharmacology and I.V. therapeutics.

- **NURS 211 - Introduction to Professional Nursing Process and Skills Laboratory II**

---

(3)

Prerequisites: NURS 100; 105; 214; 272; and 273. Corequisites: NURS 210, 215 and 250. Simulated/practical laboratory and clinical experience in caring for patients with electrolyte imbalance, endocrine and musculoskeletal dysfunction including the administration of medications and I.V. therapeutics.

- **NURS 214 - Introduction to the Art and Science of Nursing**

---

(3)

Prerequisites: Admission to the Generic Nursing program. Corequisites: NURS 100, NURS 105, NURS 272, NURS 273. Introduction to professional and clinical issues in nursing practice with a focus on coping with requirements of daily living during hospitalization.

- **NURS 215 - Clinical Introduction to Professional and Clinical Practice Issues**

---

(1)

Prerequisites or Corequisites: COMM 150, NURS 214, SOC 201. Corequisites: NURS 210, 211. Structured clinical activities and experiences focused on professional and caregiver role development.

- **NURS 216 - Nursing Care of Women, Child-bearing Families and Infants**

---

(3)

Prerequisites: NURS 224, 225; PSY 160, SOC 201. Corequisite: NURS 217. Assessment and clinical management of women, childbearing families and infants.

- **NURS 217 - Nursing Care of Women, Child-bearing Families and Infants Lab**

---

(3)

Prerequisites: NURS 224, 225. Corequisite: NURS 216. Nursing care of women, childbearing

families, and infants based on analysis of self-care requirements.

- **NURS 218 - Information Literacy for Nurses**

---

(1)

Prerequisites: NURS100, NURS 105. Introduction to nursing information literacy and information needs relevant to nursing domains. Introduction to the process of efficiently searching, organizing, managing and evaluating evidence-based medical information in multiple formats.

- **NURS 220 - Nursing Care of Children**

---

(3)

Prerequisites: NURS 224, 225. Corequisite: NURS 221. Nursing care of children emphasizing health promotion and common health disturbances.

- **NURS 221 - Nursing Care of Children Clinical Laboratory**

---

(3)

Prerequisites: NURS 224, 225; SOC 201. Corequisite: NURS 220. Clinical experience with children and their families in various settings emphasizing health promotion and common health deviations.

- **NURS 222 - Acute Professional Nursing Care of Adults I**

---

(3)

Prerequisites: NURS 210, 211, 250. Corequisite: NURS 223. Introduction to nursing care and management of the preoperative and intraoperative patient and patients with basic cardiovascular, respiratory, integumentary and hemopoietic dysfunction.

- **NURS 223 - Acute Professional Nursing Care of Adults Laboratory I**

---

(4)

Prerequisites: NURS 210, 211, 250. Corequisite: NURS 222. Practice, demonstration and application of clinical skills necessary to care for adults in acute care settings who are experiencing fluid and electrolyte, metabolic, hematopoietic, cardiovascular and/or respiratory physiological dysfunction and preoperative care.

- **NURS 224 - Acute Professional Nursing Care of Adults II**

---

(3)

Prerequisites: NURS 222, 223. Corequisite: NURS 225. Nursing assessment and management of adult patients experiencing oto-ophthalmic, genitourinary, gastrointestinal and hepatobiliary dysfunction including care of the adult during the post operative period.

- **NURS 225 - Acute Professional Nursing Care of Adults Laboratory II**

---

(4)

Prerequisites: NURS 222, 223. Corequisite: NURS 224. Practice, demonstration and application of clinical skills necessary to care for patients experiencing genitourinary, hepatobiliary, gastrointestinal, and oto-ophthalmic dysfunctions, includes care during the post operative period.

- **NURS 250 - Introduction to Pathophysiology for Nursing Practice**

---

(4)

Prerequisites: BIOL 200A/B, CHEM 151, MICR 201,202. Corequisites: NURS210; 211; 215. Basic concepts of pathophysiologic alterations throughout the lifespan including cellular function and growth; integrative body functions. Beginning understanding of the pathophysiological rationale for nursing interventions.

- **NURS 254L - Selected Topics in Nursing**

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(1-6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 254P - Selected Topics in Nursing**

---

(1-6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 272 - Introduction to Health Assessment and Promotion Across the Life Span**

---

(3)

Prerequisites: Admission to the Generic Nursing program. Corequisites: NURS 100, NURS 105, NURS 273. Required of Generic students only. Introduction to health assessment including: Vital sign assessment, history taking, physical assessment and examination and diagnostic testing, health promotion and patient education.

- **NURS 273 - Introduction to Health Assessment and Promotion Across The Life Span Laboratory**

---

(2)

Prerequisites: Admission to the Generic Nursing program. Corequisites: NURS 100;105; 214; 272. Required of Generic students only. Clinical demonstration and practice of vital sign assessment, history taking, physical assessment techniques and examination, diagnostic testing, health promotion, and patient education.

- **NURS 280 - Contemporary Nursing**

---

(2)

Prerequisite: HHS 101 (or equivalent). A survey of nursing in contemporary society, including historical perspectives, current trends, and scope of nursing education and practice.

- **NURS 300 - Acute Nursing Care of Adults III**

---

(3)

Prerequisites: All 200 level Nursing courses. Corequisite: NURS 301. Advanced theoretical and clinical nursing interventions, for the care of adults with complicated, acute and chronic problems in neurological, integumentary, neoplastic/immune and /or multisystem failure and/or dysfunction.

- **NURS 301 - Acute Nursing Care of Adults Laboratory III**

---

(3)

Prerequisites: All 200 level Nursing courses. Corequisite: NURS 300. Practice, demonstration and application of advanced theoretical and clinical nursing interventions, necessary for adults with complicated, acute and chronic neurological, integumentary, neoplastic/immune, and/or multisystem failure and/or dysfunction.

- **NURS 307 - Physiology and Psychology of Violence and Aggression  
(cross-listed as PSY 307)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Biological and psychobehavioral approaches to violent individuals; analysis of and research support for

understanding the role diversity plays in intercultural and intergroup violence drawn from natural, medical, and behavioral sciences.

## **GE Theme B**

- **NURS 308 - Psychophysiology of Substance Abuse and Violence**  
(cross-listed as HS 308)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Physiological effects of abused substance; examination of connection between substance abuse and violent behavior.

## **GE Theme B**

- **NURS 318 - Nursing Care of Psychiatric Patients**

---

(3)

Prerequisites: NURS 224, 225. Corequisite: NURS 319. Introduction to nursing practice in a variety of psychiatric care settings caring for patients with problems in social and psychological functioning.

- **NURS 319 - Psychiatric Clinical Nursing Lab**

---

(3)

Prerequisites: NURS 224, 225. Corequisite: NURS 318. Clinical experience in a variety of settings implementing the nursing process in the area of adult patient/clients demonstrating deficits in social and psychological functioning.

- **NURS 320 - Fundamentals of Nursing**

---

(5)

Prerequisites: Admission to the Entry Level Master's or Entry Level Bachelor's Program in Nursing. Corequisites: NURS 321, 328, and 362. Introduction to professional and clinical issues in nursing. Theoretical and conceptual approaches to nursing, the nursing process, basic nursing skills, communication, legal/ethical issues, culture and client education concepts.

- **NURS 321 - Practicum: Fundamentals of Nursing**

---

(5)

Prerequisite: Admission to the Entry Level Master's or Entry Level Bachelor's Program in Nursing. Corequisite: NURS 320, 328, and 362. Structured, clinical activities and experience focused on application of professional and care giver role including clinical skills, medication administration,

and use of nursing process.

- **NURS 322 - Nursing Care of Adults and Older Adults**

---

(6)

Prerequisites: Completion of NURS 320, 321, 328, and 362. Corequisites: NURS 323, 360, and 424. Nursing process in the care of adults and older adults experiencing health deviations in various body systems and across diverse health care settings.

- **NURS 323 - Practicum: Nursing Care of Adults and Older Adults**

---

(6)

Prerequisites: Completion of NURS 320, 321, 328, and 362. Corequisites: NURS 322, 360, and 424. Clinical practice in the care of adults and older adults experiencing health deviations in various body systems and across diverse health settings.

- **NURS 324 - Nursing Care of Women, Childbearing Families and Infants**

---

(4)

Prerequisites: Completion of NURS 320, 321, 322, 323, 328, 360, 362, and 424. Corequisites: NURS 325, 326, 327, and 434. Introduction to family nursing; assessment and nursing care of women, childbearing families and infants.

- **NURS 325 - Practicum: Nursing Care of Women, Childbearing Families, and Infants**

---

(3)

Prerequisites: Completion of NURS 320, 321, 322, 323, 328, 360, 362, and 424. Corequisites: NURS 324, 326, 327, and 434. Clinical practice in the care of women and their families during the childbearing cycle.

- **NURS 326 - Nursing Care of Children**

---

(3)

Prerequisites: Completion of NURS 320, 321, 322, 323, 328, 360, 362, and 424. Corequisites: NURS 324, 325, 327, and 434. Nursing care of children emphasizing health promotion and common health deviations.

- **NURS 327 - Practicum: Nursing Care of Children**



---

(3)

Prerequisites: Completion of NURS 320, 321, 322, 323, 328, 360, 362, and 424. Corequisite: NURS 324, 325, 326, and 434. Patient care experiences with children encountering common health deviations in various settings.

- **NURS 328 - Pathophysiology**

---

(3)

Prerequisites: Admission to the Entry Level Master's or Entry Level Bachelor's Program in Nursing. Corequisites: NURS 320, 321, and 362. The pathogenesis of clinical findings in health deviations, emphasis on pathophysiologic basis for nursing diagnosis and interventions during deviations from normal body system functioning.

- **NURS 330 - Human Reproductive Health**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Physical health needs and issues, emphasizing the reproductive systems for women and men across the age span; overview of physiology, pathophysiology, diagnostic technologies, and therapeutic management of common health problems.

**GE Theme C**

- **NURS 346 - Family Nursing**

---

(3)

Pre-or corequisite: ANTH 444. Theoretical foundations of family nursing and its application to the nursing process with families.

- **NURS 348A - Development for Professional Practice**

---

(4)

Prerequisites: Transfer RN nursing students, background check, personal health insurance and health clearance documentation. Socialization and development into professional nursing roles including the nurse as professional, advocate, provider, and coordinator of care. Focus on nursing process and selected issues in professional practice.

- **NURS 349A - Development for Professional Practice Laboratory**

---

(1)

Prerequisites: Registered Nurse license, malpractice insurance. Corequisite: NURS 348A.

Application of nursing process for professional practice within a self-care framework to patient care situation in clinical setting.

- **NURS 350 - Pathophysiology For Nursing Practice**

---

(4)

Prerequisite: BIOL 200B; CHEM 151, MICR 201, 202. Corequisite: RN-BSN Transfer students only. Course builds upon the student's prior foundation of concepts of disease process throughout the lifespan including cellular function and integrative body functions. Focus on the pathophysiologic rationale for nursing interventions.

- **NURS 354L - Selected Topics in Nursing**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 354P - Selected Topics in Nursing**

---

(1–6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 355 - Strategies for Preventing and Intervening in Family Violence and Abuse**  
(also crosslisted as SW 355)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course in Block D. Major theories used to explain family violence; emphasis on preventing abuse and intervening with victims across the age span; social, policy, and legal issues.

**GE Theme B**

- **NURS 360 - Pharmacology**

---

(2)

Prerequisites: Completion of NURS 320, 321, 328, and 362. Corequisites: NURS 322, 323, and 424. Basic principles and contemporary issues in pharmacology for nurses; major drug classifications, mechanism of drug action and nursing implications throughout the nursing process.

- **NURS 362 - Health Assessment and Health Promotion Across the Life Span**

---

(3)

Prerequisite: Admission to the Entry Level Master's or Entry Level Bachelor's Program in Nursing. Corequisites: NURS 320, 321, and 328. Health Assessment including history taking and physical examination; principles of health promotion across the life span.

- **NURS 372 - Health Assessment and Promotion Across the Life Span**

---

(3)

Prerequisites: RN-BSN transfer students only; NURS 348A. Corequisite: NURS 373. Health assessment including history taking, physical examination and diagnostic testing; principles of health promotion across the life span and concepts of patient education.

- **NURS 373 - Health Assessment and Promotion Across the Life Span  
Laboratory**

---

(2)

Prerequisites: RN-BSN transfer students only; NURS 348A. Corequisite: NURS 372. Health assessment including history taking, physical examination and diagnostic testing, health promotion and patient education experiences in a variety of settings.

- **NURS 393 - Health Assessment and Health Promotion in Community Setting  
Laboratory**

---

(2)

Prerequisites: NURS 300, 301, 346, 272 or 373. Prerequisite or corequisite: NURS 394. Application of nursing concepts for the care of clients with chronic illness and/or disabilities outside of acute care settings, focusing on treatment adherence, coping and adaptation.

- **NURS 394 - Nursing Concepts in Health Promotion: Prevention, Treatment  
and Adherence**

---

(4)

Prerequisites: NURS 346, NURS 272 or 372; SOC 201.

The development of strategies for assisting populations, across the age span, with self-care actions focused on promoting health, facilitating treatment adherence, coping and adaptation. A focused concentration on populations with chronic illnesses.

- **NURS 398 - Cooperative Education**  
(see UNIV 398)

---

(2)  
Cooperative Education

- **NURS 402A - Fundamentals of Electrocardiography**

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(2)  
Fundamentals of vector analysis of the 12 lead electrocardiogram and basic arrhythmia detection.

- **NURS 402B - Advanced Electrocardiography**

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(2)  
Prerequisite: NURS 402A. Advanced electrocardiography including detailed evaluation of 12 lead electrocardiogram in determining axis changes, conduction defect, cardiovascular hypertrophies, location of myocardial infraction, differentiation of complicated arrhythmias, and selected electrolyte and drug effects.

- **NURS 404 - Acute Health Deviations in Metabolic, Hematologic, and Sensorimotor Function**

---

(3)  
Prerequisite: Upper division standing or consent of instructor. Nursing care related to acute health deviations in metabolic, hematologic, and sensorimotor functions with their related pathophysiology and nursing care implications.

- **NURS 423 - Nursing in School Health Programs Clinical Laboratory**

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(6)  
Prerequisites or corequisites: NURS 426, 428; COMD 440; admission to Health Services credential program. Clinical school nursing experience with multicultural and ethnic students in elementary, secondary, and special education settings under direction of credentialed school nurse preceptor.

- **NURS 424 - Introduction to Nursing Research**

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(3)  
Prerequisites: Completion of NURS 320, 321, 328, and 362. Corequisites: NURS 322, 323, and 360. Introduction to the nursing research process with application of the process to clinical

practice. Reading, critiquing and utilization of nursing research.

- **NURS 434 - Nursing Case Management of Clients with Chronic Illness Across the Life Span**

---

(4)

Prerequisites: Completion of NURS 320, 321, 322, 323, 328, 360, 362, and 424. Corequisites: NURS 324, 325, 326, 327. Nursing case management role, models and strategies for chronically ill clients; effects of chronic illness and comprehensive care coordination.

- **NURS 440 - Psychiatric and Mental Health Nursing**

---

(3)

Prerequisites: Completion of NURS 300 series, NURS 424, and 434. Corequisites: NURS 441, 442, and 443. Nursing process in the care of clients with deviations in social and psychological functioning.

- **NURS 441 - Practicum: Psychiatric and Mental Health Nursing**

---

(3)

Prerequisites: Completion of 300 series, NURS 424, and 434. Corequisites: NURS 440, 442, and 443. Clinical experience in a variety of settings implementing the nursing process with clients demonstrating deviations in social and psychological functioning.

- **NURS 442 - Community Health Nursing**

---

(5)

Pre-requisites: NURS 300 course series, NURS 424, and 434. Corequisite: NURS 440, 441, and 443. Synthesis of nursing theories and public health science applied to assessing and promoting the health of at risk populations: communities, families and aggregates.

# Course Descriptions

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## Nursing (Undergraduate)

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **NURS 443 - Practicum: Community Health Nursing**

---

(4)

Prerequisites: Completion of NURS 300 course series, NURS 424, and 434. Corequisite: NURS 440, 441, and 442. Nursing in the community: experiences in home health, family focused care, and population based nursing in the community.

- **NURS 444 - Advanced Nursing Concepts and Leadership**

---

(4)

Prerequisite: NURS 300 course series, NURS 424, and 434. Corequisite: NURS 445, and 498. Advanced clinical nursing: principles of nursing leadership; care of hospitalized adults experiencing complex, acute and chronic multidimensional health problems including neurological, renal, integumentary, neoplastic, and immune diseases, or multi-system failure.

- **NURS 445 - Practicum: Advanced Nursing Concepts and Leadership**

---

(4)

Prerequisite: Completion of NURS 300 course series, NURS 424, 434, 440, 441, 442, and 443. Corequisite: NURS 444, and 498. Practicum in nursing leadership and care of patients with acute and chronic complex medical surgical conditions; basic skills for critical care nursing and end-of-life care.

- **NURS 450 - Nursing Leadership and Management Dynamics**

---

(2)

Prerequisites: Completion of 300 level courses. Corequisite: NURS 451. Introduction to the

organizational theory and socioeconomic political trends in nursing leadership and management. Skills and competencies for the frontline nurse manager with-in and beyond the wall of the acute care setting.

- **NURS 451 - Nursing Leadership and Management Dynamics Laboratory**

---

(2)

Prerequisites Completion of 300 level courses. Corequisite: NURS450. Application of organizational theory in health care settings. Development of skills and competencies for the frontline nurse manager with-in and beyond the wall of the acute care setting.

- **NURS 454L - Selected Topics in Nursing**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit.

- **NURS 454P - Selected Topics in Nursing**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit.

- **NURS 456 - Crisis Theory: Mental Health Promotion**

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(3)

Prerequisite: Upper division standing or consent of instructor. Crisis theory as a basis for identification of maturational and situational high risk events that create an impact on mental health.

- **NURS 460 - Problems of Parenting**

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(2)

Prerequisites: PSY 150 and upper division standing. Parent and child health problems created by inadequate parent-child relationships. Health assessment and exploration of nursing intervention techniques.

- **NURS 468 - Legal Aspects of Health Care Provision in California**

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(3)

Prerequisite: Professional experience or upper division standing in a health related program. Exploration of legal aspects of health care provision: intentional torts, negligence and malpractice, practice acts, ethical-legal conflicts, and litigation procedure.

- **NURS 470 - Community/Public Health Nursing**

---

(4)

Prerequisite: Completion of 300-level nursing courses or approval of instructor. Corequisite: NURS 471. Synthesis of nursing theories and public health science applied to assessing and promoting the health of communities and aggregates at risk in the population, including the risks to communities from bio-terrorism.

- **NURS 471 - Community/Public Health Nursing Lab**

---

(4)

Corequisite: NURS 470 and access to an insured automobile. Application of the nursing process, levels of prevention and public health theories and strategies in vulnerable clients, families, and aggregates.

- **NURS 476 - Nursing and the Health Care System**

---

(2)

Prerequisites: Completion of all 300-level nursing courses or approval of instructor. Forces shaping health care delivery and their influences on the delivery of nursing care in today's dynamic health care arena. Nursing strategies for cost-effective care that increases access and ensures quality care. Some sections may use technologically mediated instruction.

- **NURS 480 - Assessment and Care of Patients' Spiritual Needs**

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(4)

Exploration of individual's spiritual needs in health care, and how spiritual care may be closely integrated with that of body and mind.

- **NURS 486 - Transition to Nursing Professional Practice**

---

(2)

Corequisite: NURS 487. Capstone course that integrates clinical decision making, critical thinking skills and theoretical knowledge for the professional transition into nursing practice. Focuses on integration, reflection and preparation for the professional role. Graded CR/NC.



- **NURS 487 - Transition to Nursing Professional Practice Laboratory**

---

(4)

Prerequisites: Completion of lower division nursing courses and completion of medication administration exam with a minimum score of 90%. Co-requisite: NURS 486. Clinical decision making and the integration of advanced medical-surgical nursing skills with selected patients in acute care settings is the focus of this capstone preceptor practicum. Graded CR/NC.

- **NURS 490 - Introduction to Nursing Research**

---

(4)

Prerequisites: Satisfactory completion of Graduation Writing Assessment Requirement (GWAR) and a statistics course that included inferential statistical content. Nursing research process and concepts applicable to clinical practice, reading, analyzing and critiquing research; development of skills in writing professional nursing papers according to the conventions of the genre. Some sections may use technologically mediated instruction.

- **NURS 494 - Ethics in Nursing**

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(3)

Lecture-seminar course covering the history and development of ethics in American nursing from 1800s to the present.

- **NURS 496 - Nursing Case Management for Vulnerable Populations**

---

(2)

Prerequisites: NURS 476, 470, 471, or consent of instructor. Corequisite: NURS 497. Nursing case management roles, models, and strategies used for managing high-risk client populations. Focus on comprehensive care coordination: brokerage, monitoring, discharge planning, client/family advocacy, and nursing interventions. Courses stress: access, quality, and risk management.

- **NURS 497 - Nursing Case Management of Vulnerable Populations Lab**

---

(2)

Corequisite: NURS 496. Clinical nursing case management laboratory for high-risk clients with complex health care problems. Focus on comprehensive care coordination: Brokerage, monitoring, discharge planning, client/family advocacy, and nursing interventions.

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## **NURS 498 - Advanced Cooperative Education** (see UNIV 498)

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(1–4)

Advanced Cooperative Education

- **NURS 499 - Undergraduate Directed Study**

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(1–6)

Prerequisites: Instructor consent to act as sponsor; ability to assume responsibility for independent work and to prepare written and oral reports. Project selected with sponsor before registration; progress meetings held regularly. May be repeated to 20 units.

### **Nursing (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500-level courses.*

- **NUBS 615 - Epidemiology and Clinical Prevention**

---

(3\*)

Prerequisite: Admission to the DNP program. Epidemiological principles and approaches to health and illness in at-risk populations. Epidemiological models are used to determine population needs and promote interventions to enhance health-related quality of life and prevent illness. May use technologically mediated instruction.

\*Semester units

- **NURS 502 - Role Development of the Advanced Practice Nurse**

---

(3)

Prerequisites: Admission into graduate program in nursing or consent of instructor. Examination of advanced nursing practice roles within acute and primary care settings; critical analysis of issues related to legal scope of practice, licensure, certification, quality improvement, and reimbursement. Some sections may use technologically mediated instruction.

- **NURS 504 - Research Utilization in Nursing Practice**

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(2)

Prerequisite: NURS 592 Application of available knowledge to improve client outcomes using the

research utilization process. Some sections may use technologically mediated instruction.

- **NURS 510 - Development and Evaluation of Nursing Curricula**

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(3\*)

Prerequisite: Admission to the DNP Program. Reviews the major components of, and processes for, curriculum development and program evaluation. Students analyze a curriculum and utilize a program evaluation model to recommend curricular revisions. May use technologically mediated instruction.

\*Semester units

- **NURS 512 - Instructional Design in Nursing Education**

---

(3\*)

Prerequisite: NURS 510. Focuses on behavioral, cognitive, constructivist learning theories, related concepts and their implications for course design and instructional strategies to include teaching modalities for both in-person and online environments and evaluation of student learning. May use technologically mediated instruction.

\*Semester units

- **NURS 512A - Primary Care of Adults with Acute Health Problems**

---

(4)

Prerequisite: NURS 572B. Theories and research related to health promotion and disease prevention, assessment, differential diagnosis, management, and education of adults with acute, episodic health problems in ambulatory care clinics.

- **NURS 512B - Care of Aging Adults**

---

(3)

Prerequisites: NURS 518A and NURS 519A. Corequisite: NURS 513B. Theory and research related to assessment, diagnosis, and management of problems specific to aging clients with emphasis on chronic disease management as well as the socioeconomic, political, environmental, and cultural influence affecting care of older clients.

- **NURS 513A - Practicum: Primary Care of Adults with Acute Health Problems**

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(4)

Prerequisite: NURS 573B. Clinical application of theory and research of health care to adult clients with acute, episodic health problems in ambulatory clinics.

- **NURS 513B - Care of Aging Adults Practicum**

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(4)

Prerequisite: NURS 513A. Corequisite: NURS 512B. Assessment, diagnosis, management and education/ counseling of aging clients in outpatient clinics and long-term care facilities with an emphasis on clinical decision-making, health promotion, and disease complication prevention.

- **NURS 513C - Care of Adults with Chronic Health Care Problems Practicum**

---

(4)

Prerequisites: NURS 572A, and 573A or consent of instructor. Corequisite: NURS 520. Clinical application of assessment, diagnosis, management, and education/counseling of adults with chronic health problems with an emphasis on lifestyle change, health promotion, and disease prevention in the students' selected specialty.

- **NURS 516 - Nurse Educator Practicum**

---

(3\*)

Prerequisites: NURS 510, NURS 512. The course focuses on application of theories and concepts in curriculum development, evaluation, instructional strategies and student evaluation in nursing education. Students work with an experienced nurse educator in an academic or agency setting under the supervision of the instructor. Group discussions may be on-line or face-to-face.

\*Semester units

- **NURS 516A - Management of Acutely Ill Adults I**

---

(5)

Prerequisites: NURS 566, 572A, 573A, 528, 573B. Corequisites: NURS 524, 525 This evidence-based theory course examines the diagnosis and management of adult patients with both acute and chronic disorders involving the cardiovascular, respiratory, endocrine and gastrointestinal systems.

- **NURS 516B - Management of Acutely Ill Adults II**

---

(5)

Prerequisite: NURS 516A. Corequisite: NURS 517A. This evidence-based theory course examines the diagnosis and management of adult patients with both acute and chronic disorders involving shock, the neurological and renal/genitourinary systems and numerous emergency states.

- **NURS 516C - Management of Acutely Ill Adults III**

---

(5)

Prerequisites: NURS 516A, 517A. Corequisites: NURS 517A, 517B, 517C. This evidence-based theory course examines the diagnosis and management of adult patients with both acute and chronic disorders involving common problems in acute care, immunologic/autoimmune diseases and psychosocial health issues.

- **NURS 517A - Advanced Therapeutics Practicum I**

---

(4)

Prerequisites: NURS 524, NURS 525. Corequisite: NURS 516B. This clinical application course for Acute Care Nurse Practitioner students emphasizes advanced assessment, differential diagnosis, management, treatment and education/counseling of adults and families with acute illnesses.

- **NURS 517B - Advanced Therapeutics Practicum II**

---

(4)

Prerequisite: NURS 517A. Corequisite: NURS 516B. This clinical application course for Acute Care Nurse Practitioner students emphasizes advanced assessment, differential diagnosis, management, treatment and education/counseling of adults and families with acute illnesses.

- **NURS 517C - Advanced Therapeutics Practicum III**

---

(4)

Prerequisites: NURS 516B, 517A. Corequisites: NURS 516C, 517B. This clinical application course for Acute Care Nurse Practitioner students emphasizes advanced assessment, differential diagnosis, management, treatment and education/counseling of adults and families with acute illnesses and injury.

- **NURS 518A - Primary Care of the Adult Client**

---

(4)

Prerequisite: NURS 578, 573B, and 573C. Corequisite: NURS 519A. Theoretical basis for Family Nurse Practitioner assessment, diagnosis, and management of culturally diverse adults and families with acute and episodic problems, with emphasis on health promotion and disease prevention.

- **NURS 518B - Primary Care of Children**

---

(4)

Prerequisites: NURS 578, 573B, and 573C. Corequisite: NURS 519B. Family Nurse Practitioner health promotion and disease prevention, assessment, differential diagnosis and management of culturally diverse children and their families with acute and chronic problems in the primary care environment.

- **NURS 518C - Adolescent and Young Adult Health Care**

---

(4)

Prerequisites: NURS 578, 573B, and 573C. Corequisite: NURS 519C. Family Nurse Practitioner health promotion, disease prevention, and diagnosis and management of the culturally diverse adolescent and young adult clients and their families in the primary care setting.

- **NURS 518D - Women's Health Care**

---

(3)

Prerequisites: NURS 573B, 524, 525. Corequisites: NURS 518a, 519a. Management of gynecological concerns common to culturally diverse women and their families in the primary care setting. Role of the nurse practitioner in women's health.

- **NURS 519A - Primary Care of the Adult Practicum**

---

(3)

Prerequisite: NURS 578, 572, 573B, and 573C. Corequisite: NURS 518A. Application of the theoretical and research-based assessment, diagnosis, and management of culturally diverse adults and families with acute and episodic problems, with emphasis on health promotion and disease prevention.

- **NURS 519B - Primary Care of Children Practicum**

---

(3)

Prerequisites: NURS 578, 573B, 573C. Corequisite: NURS 518C. Clinical practice application of knowledge in the assessment, diagnosing, management of health concerns relating to culturally diverse children and their families in the primary care setting.

- **NURS 519C - Adolescent and Young Adult Health Care Practicum**

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---

(3)

Prerequisites: NURS 578, 573B, 573C. Corequisite: NURS 518C. Clinical application of assessment, diagnosis, management, and health promotion of culturally diverse adolescents, young adults, and their families in the primary care setting.

- **NURS 519D - Women's Health Practicum**

---

(3)

Prerequisites: NURS 578, 572, 573B, and 573C. Corequisite: NURS 518D. Clinical application of assessment, diagnosis and management of culturally diverse women with gynecological health concerns in the primary care setting.

- **NURS 520 - Care of Adults with Chronic Health Problems**

---

(3)

Corequisite: NURS 516A. Assessment, differential diagnosis, management, and education/counseling of adults and families with chronic health problems with an emphasis on lifestyle change, health promotion, and disease complication prevention.

- **NURS 522A - Primary Care of Children with Acute Health Problem**

---

(4)

Prerequisite: NURS 572A. Corequisite: NURS 523A. Assessment, diagnosis and management of children with acute health problems and of their families, within primary care settings; health promotion, disease prevention, and multidimensional problems management strategies.

- **NURS 522B - Primary Care of Children with Chronic Health Problem**

---

(4)

Prerequisite: NURS 573B or 522A. Assessment, diagnosis and management of children with chronic health problems and of their families, within primary care settings; health promotion, disease prevention, and multidimensional problems; management strategies.

- **NURS 522C - Primary Care of Adolescents**

---

(2)

Prerequisite: NURS 573B. Corequisite: NURS 523C. Assessment, diagnosis, management of adolescents with special health problems and their families within primary care settings; health promotion, disease prevention, and multidimensional problems; management strategies.

- **NURS 523A - Primary Care Practicum: Children with Acute Illness**

---

(3)

Corequisite: NURS 522A. Application of assessment knowledge and skills to appraise children and their families' health status; identification of acute health problems within primary care settings; management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 523B - Primary Care Practicum: Children with Chronic Illness**

---

(3)

Corequisite: NURS 522B. Application of knowledge and skills to appraise children and their families' health status; identification of chronic health problems within primary care settings, management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 523C - Primary Care Practicum: Adolescents**

---

(3)

Corequisite: NURS 522C. Application of assessment knowledge and skills to appraise adolescents' and their families' health status within primary care settings. Identification of health problems, management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 524 - Care of Vulnerable Populations**

---

(4)

Prerequisite: Admission to graduate program in nursing or consent of instructor. Examination of major health problems of vulnerable children, adults, and families from urban, underserved communities; assessment of risk factors; exploration of multidimensional, culturally-sensitive intervention strategies. Some sections may use technologically mediated instruction.

- **NURS 525 - Capstone Practicum in Vulnerable Populations**

---

(2)

Prerequisite: Completion of all course work prior to the final quarter of study. Capstone practicum experience for all nurse practitioner options with emphasis placed on application of epidemiological model and provision of health care to clients from select vulnerable populations. Graded CR/NC.

- **NURS 526 - Advanced Nursing Management in Public Schools**

---

(5)



Prerequisite: Admission into Health Services Credential program or School Health Option. A theory-based course focusing on the roles and scope of practice of the school nurse as a manager and advocate within the organization and management of school health services. Special emphasis will be on the California Department of Education's curriculum requirements for Drug and Alcohol Education in the K-12 educational setting.

- **NURS 528 - Advanced Pharmacology**

---

(5)

Prerequisites: NURS 572A and NURS 573A. Pharmacokinetic principles and pharmacotherapeutic agents for promotion, prevention, diagnosis, and treatment of common client conditions encountered in primary care and acute health care settings. Some sections may use technologically mediated instruction.

- **NURS 529 - Advanced Pediatrics Clinical Practicum**

---

(3)

Prerequisites: NURS 522C, 524. A preceptored clinical practicum designed to enhance the application of theory and acquisition of clinical skills in pediatric primary care settings. Graded CR/NC.

- **NURS 530 - Advanced Nursing Assessment in Public Schools**

---

(5)

Prerequisites: Admission into Health Services Credential program or School Health Option. This course focuses on the assessment and management of physical, psychosocial, environmental, and educational requisites, processes, and selected needs of the student.

- **NURS 542A - Diagnosis and Individual Psychotherapy in Psychiatric Nursing**

---

(3)

Prerequisite: Acceptance into a Psychiatric/Mental Health Nursing Option. Corequisite: NURS 595

Analysis of theories of individual psychotherapy; development of eclectic models; assessment and diagnostic criteria for psychiatric disorders and mental health problems; case formulation; and application of appropriate psychiatric/mental health nursing interventions models.

- **NURS 542B - Group Psychotherapy and Psychoeducation in Psychiatric Nursing**

---

(3)

Prerequisite: NURS 542A. Corequisite: NURS 595. Study and analysis of theories of group

psychotherapy and theories of psychoeducation; development of eclectic models; application of appropriate models to development of psychiatric/mental health nursing interventions.

- **NURS 542C - Psychiatric Nursing of Children and Adolescents**

---

(2)

Prerequisite: NURS 542A. Co-requisite: NURS 543. This course provides the Psychiatric Family Nurse Practitioner Student with advanced understanding of the diagnosis, management and treatment of the child and adolescent with diagnosis of a psychiatric disorder.

- **NURS 542D - Family, Community and Agency Interventions in Psychiatric Nursing**

---

(3)

Prerequisites: NURS 542A, NURS 542B, and NURS 542C. A course that addresses advanced psychiatric nursing evidenced based interventions with clients that are other than individuals. Students will learn principles of family development and family therapy. The course will address psychiatric nursing interventions for psychiatric units, general hospitals, outpatient clinics or practices, and community agencies such as schools. Students will learn how to access community and agency resources that are required to promote healthy change.

- **NURS 543 - Advanced Psychiatric/Mental Health Nursing Across the Life Span Practicum**

---

(1-4)

Clinical application of theoretical and evidence based strategies for clinical decision making in the assessment, diagnosis, and management of culturally diverse clients across the life span with problems in psychological, emotional, or social functioning who are being cared for by mental health providers. Must be repeated to maximum of 13 units.

- **NURS 545 - International Health Care Experience**

---

(1)

Prerequisites: NURS 578, 524, 525 or permission of faculty. Student/faculty clinical application of assessment, diagnosis, management, and education/counseling of indigenous clients in their environment outside of the United States. Minimum B grade required for passing. May be repeated up to 3 units.

- **NURS 560A - Development of Educational Programs in Nursing I**

---

(3)

Prerequisites: EDFN 510; NURS 592; One year of clinical experience as RN. Development of nursing educational programs in collegiate, staff development and client settings; roles of nurse educator including instruction and evaluation roles.

- **NURS 560B - Development of Education Programs in Nursing II**

---

(3)

Prerequisites: EDFN 510; NURS 560A, NURS 592. Development of nursing educational program in collegiate, staff development and client settings; conceptual models for organization of nursing curricula; issues and trends in nursing education.

- **NURS 562 - Human Resource Utilization in Health Care Organizations**

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(2)

Analysis of procedures in health care personnel practices: licensure, recruitment, hiring, staffing, continuing education, performance evaluation, incentive plans; changing roles among health care personnel.

- **NURS 564 - Seminar: Health Care Administration**

---

(2)

Corequisite: NURS 595. Administrative issues in health care settings: goal complexity, power distribution, administrative-professional conflict, decision-making process, introduction of change; systems concept as assessment tool; interdependence of management team members in a health agency.

- **NURS 564A - Advanced Concepts in Health Care Leadership and Management I**

---

(4)

Prerequisites: MGMT 500, MGMT 578. Corequisites: NURS 595 (Advanced Field Study I). An overview of theories and concepts necessary for effective health care supervision and management with emphasis on patient/client safety within and outside of the hospital. All sections use technologically mediated instruction.

- **NURS 564B - Advanced Concepts in Health Care Leadership and Management II**

---

(4)

Prerequisites: NURS 564 A and NURS 595 (Advanced Field Study I). Corequisites: NURS 595 (Advanced Field Study II). Principles of human resource management, economics, quality outcome

measurement, management and patient safety are applied to case-based analysis at the unit-level of hospital and health care organizations. All sections use technologically-mediated instruction.

- **NURS 566 - Advanced Pathophysiology**

---

(4)

Prerequisite: Admission to graduate program in nursing or consent of instructor. Physical disease processes within human body; body's adaptive physiologic mechanisms resulting from pathophysiologic alterations; rationale for clinical intervention. Some sections may use technologically mediated instruction.

- **NURS 572A - Advanced Health Assessment and Health Promotion**

---

(4)

Prerequisite: NURS 566. Corequisite: NURS 573A. Advanced health assessment of clients from holistic and contextual perspectives; analysis of physical, psychosocial, developmental, and environmental needs and processes of clients across the life span. Major health promotion strategies.

- **NURS 572B - Developmental Assessment and Health Promotion**

---

(2)

Corequisite: NURS 572A. Developmental theories and tasks, nursing assessment strategies and health promotion in clients across the life span, as appropriate for advanced practice nurses.

- **NURS 573A - Advanced Health Assessment and Health Promotion Laboratory**

---

(1)

Prerequisite: Successful completion of recent physical assessment course. Corequisite: NURS 572A. Clinical application of theory and research focusing on advanced assessment skills essential to practice in students' area of specialization.

- **NURS 573B - Advanced Health Assessment and Health Promotion Practicum**

---

(3)

Prerequisite: NURS 573A. Application of advanced comprehensive health assessment and health promotion knowledge and skills to clients in selected adult or pediatric inpatient and/or outpatient clinical settings.

- **NURS 573C - Advanced Health Assessment and Health Promotion Practicum**

---

(1)

Prerequisites: NURS 572 and 578. Corequisite: NURS 573B. Application of advanced comprehensive health assessment and health promotion knowledge and skills to culturally diverse families in primary health care settings.

- **NURS 578 - International Health Perspectives**

---

(3)

Prerequisite: For Family Nurse Practitioner students only. Global nurse practitioner practice, meeting health care needs unique to developing, underserved nations and international travelers. Includes assessment, diagnosis, and management of tropical disease and health promotion/disease prevention.

- **NURS 580 - Introduction to Forensic Nursing**

---

(4)

Prerequisite: Consent of Instructor. This course focuses on the principles of forensic nursing and the nursing care of patient populations including children who are abused, men and women who are sexually assaulted and battered and the men and women who commit these crimes. Some sections may use technologically mediated instruction.

- **NURS 590 - Nursing Research Methods**

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(4)

Prerequisite: NURS 592. Research designs and methodologies in nursing leading to proposal development. Some sections may use technologically mediated instruction.

- **NURS 592 - Theoretical Basis of Nursing Research and Practice**

---

(2)

Prerequisites: NURS 490 or equivalent and 4-unit statistics course. An introduction to analysis and evaluation of selected nursing and interdisciplinary theories and the relationship to nursing research and practice. Some sections may use technologically mediated instruction.

- **NURS 594 - Decision-Making in Nursing and Health Care Policy**

---

(3)

Prerequisite: Admission to graduate program or consent of instructor. Nursing decision-making for

health care systems based on ethical, economical, legal, political and professional considerations; analysis of health care policy and role of nursing in changing health care delivery system. Some sections may use technologically mediated instruction.

- **NURS 595 - Advanced Field Study**

---

(1–15)

Corequisite: One NURS seminar selected from 506AB, 524; 542ABC, 560AB, 564, or enrollment in MS–Health Care Management program. Experience in specialized clinical and functional areas assigned on an individual basis. Weekly tutorial sessions required for student-teacher synthesis of data from concurrent seminar and field experience. Graded CR/NC.

- **NURS 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **NURS 597 - Graduate Research**

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(1–4)

Prerequisites: NURS 590 and instructor consent to act as sponsor. Independent research under guidance of faculty sponsor. May be repeated for credit. Graded CR/NR only.

- **NURS 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Directed study of advanced topics in field; regularly scheduled conferences with sponsor. May be repeated to maximum of 8 units.

- **NURS 599 - Thesis or Project**

---

(1–3)

Prerequisites: Advancement to candidacy, two units of NURS 597, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 3 units. Graded CR/NC.

- **NURS 600 - Biostatistics for Advanced Practice Nurses**

---

(3\*)

Prerequisite: Acceptance into the DNP Program. Provides the necessary skills and knowledge to interpret research that employs multivariate statistical techniques. Topics include choosing correct statistical methods; descriptive, univariate, and multivariate statistics; probability; estimation and hypothesis testing; and use of a statistical software package. May use technologically mediated instruction.

\*Semester units

- **NURS 605 - Advanced Evidence-Based Practice in Nursing**

---

(3\*)

Prerequisite: Admission to the DNP program. Advanced research course focused on reading, interpreting, and evaluating studies using quantitative and qualitative methods in nursing and other health care disciplines; develop initial literature review for integrative scholarship proposal. May use technologically mediated instruction.

\*Semester units

- **NURS 610 - Leadership, Management and Economics in Advanced Nursing Practice**

---

(3\*)

Prerequisite: Admission to the DNP program. Emphasis on analyzing leadership theories and organizational models within healthcare delivery systems. Principles of change theory, financial management, strategic planning, program development and implementation are evaluated. Application focuses on fiscally sound leadership management in providing healthcare. May use technologically mediated instruction.

\*Semester units

- **NURS 630 - Healthcare Policy, Ethics, and Advocacy for Nurses**

---

(3\*)

Prerequisite: Admission to the DNP program. Critical appraisal of how national and international health policies, advocacy efforts, ethics, and economics impact health care delivery and its outcomes and influence advanced practice nursing. May use technologically mediated instruction.

\*Semester units

- **NURS 640 - DNP Clinical Practicum: Professional Role Development**

---

(3)\*

Prerequisite: Admission to the DNP program. Supervised clinical opportunities in selected clinical settings to enhance professional role development in advanced nursing practice. Synthesis of prior graduate learning experience in student's specialty. May be repeated for credit up to 12 units.

\*Semester units

- **NURS 697A - Integrative Clinical Scholarship I: Evidence-Based Practice**

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(3\*)

Prerequisite: NURS 605. Advanced research/laboratory course focused on analysis of role of DNP, role transition, interprofessional collaboration and leadership, clinical microsystems thinking, project development and management within healthcare systems. Includes development of DNP project proposal.

\*Semester units

- **NURS 697B - Integrative Clinical Scholarship II: Evidence-Based Practice**

---

(3\*)

Prerequisite: NURS 697A. Implementation of DNP project, within a clinical setting, using integration of theory and evidence-based change from nursing science and other disciplines. Emphasizes principles of practice inquiry and evidence-based practice,. Integration of core DNP concepts and competencies.

\*Semester units

- **NURS 697C - Integrative Clinical Scholarship III: Evidence-Based Practice**

---

(3\*)

Prerequisite: NURS 697B. Evaluation and completion of DNP project. Emphasizes incorporation of principles of practice inquiry, evidence-based practice, and/or practice inquiry. Integration of core DNP concepts and competencies.

\*Semester units



## Nutritional Science (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the School and approval of the graduate adviser: NTRS 419ABC, 419S, 479

- **NTRS 204A - Diet and Exercise for Weight Management**  
(also listed as KIN 204A)

---

(1)

Evaluation of personal diet and exercise patterns. Development, implementation, and evaluation of an individualized diet and exercise plan for weight management. Brief examination of diet and exercise regimens for purposes of weight management; importance of combining a healthy diet and appropriate exercise in daily activities. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **NTRS 210 - Foundations of Food**  
(also listed as HS 438)

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(4)

Introduction to foods as a profession. Principles and procedures of food preparation including selection, storage, food sanitation, product evaluation, and meal management. Lecture 2 hours, laboratory 5 hours.

- **NTRS 250 - Human Nutrition**

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(4)

Nutrition and its relation to health, behavior, growth, development, and aging. No credit towards nutrition majors. Some of the sections of the course may be taught online.

- **NTRS 312 - Cultural Cuisine**

---

(4)

Prerequisite: NTRS 210. Cultural food patterns represented regionally, nationally and internationally; food choices, typical dishes, menus, nutritional aspects, purchasing, preparation techniques, equipment, and significance in cultural settings. Lecture 3 hours, laboratory 2 hours.

# Course Descriptions

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## Nutritional Science (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the School and approval of the graduate adviser: NTRS 419ABC, 419S, 479

- **NTRS 315 - Communication Skills in Dietetics**

---

(3)

Prerequisites: NTRS 210, 317; PSY 150; COMM 150; admission to the Coordinated Dietetics Program (CDP). Basic communication skills needed by dietitian; sociopsychological aspects of nutritional care in outpatient or clinical setting. Lecture 1 hour, laboratory 6 hours.

- **NTRS 317 - Fundamentals for Human Nutrition**

---

(4)

Prerequisites: BIOL 200AB and CHEM 151. Scientific role of nutrients in the body and in development, growth and maturation. Some sections of this course may be offered online.

- **NTRS 351 - Adult Nutrition**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Nutritional needs and common diseases afflicting adults; promotion of adult health by nutritional intervention.

**GE Theme F**

- **NTRS 357 - The Changing Food Supply: Impact on Health**

---

(4)

Prerequisites: Completion of GE Basic Subjects (Block A) and one course from Block B. Changing food consumption patterns since our ancient ancestors, and the subsequent impact on health. Agricultural systems and food availability, and their impact on today's established cultural food habits will be explored. Some sections of this course may be taught online.

## GE Theme I

- **NTRS 403 - Environment and Food Customs**  
(Also listed as GEOG 403)

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(4)

This course will examine the geographical distribution of various food cultures as well as the connections between those food cultures and the physical environments in which they have developed.

- **NTRS 410 - Experimental Foods**

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(4)

Prerequisites: NTRS 210, CHEM 152. Application of scientific principles to experimental methods in food preparation and recipe analysis. Lecture 2 hours, laboratory 6 hours.

- **NTRS 411 - Evaluation of Current Nutrition Concepts**

---

(4)

Prerequisite: NTRS 317. Interpretation of nutrition research findings and consideration of possible applications for individuals and population groups.

- **NTRS 413 - Maternal and Child Nutrition**

---

(4)

Prerequisite: NTRS 317. Nutritional requirements of pregnant women and of children; nutrition-related health considerations.

- **NTRS 414A - Institutional Food Service I**

---

(4)

Prerequisites: NTRS 210, NTRS 317, MICRO 151. Introduction to organization and management of quantity food service, including menu writing, food safety and quantity food preparation. Lecture 3 hours, laboratory 3 hours.

- **NTRS 414B - Institutional Food Service II**

---

(4)

Prerequisite: NTRS 414A. Experience in organization and management of quantity food service,

incorporating menu writing, food safety and quantity food preparation, including equipment selection and institutional kitchen design. Lecture 2 hours, laboratory 6 hours.

- **NTRS 415A - Medical Nutrition Therapy**

---

(4)

Prerequisites: NTRS 210, 417B or concurrent enrollment in 417B. Nutritional intervention in disease processes; special emphasis on interrelationships between pathophysiology of disease processes and dietary modifications. Lecture 3 hours, laboratory 3 hours.

- **NTRS 415B - Medical Nutrition Therapy**

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(4)

NTRS 415A. Nutritional intervention in disease processes; special emphasis on interrelationships between pathophysiology of disease processes and dietary modifications. Lecture 3 hours, laboratory 3 hours.

- **NTRS 416 - Child Nutrition**

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(4)

Prerequisite: CHDV 200. Nutritional needs of pregnant and lactating women and of children from conception through adolescence; strategies for nutrition education in early childhood.

- **NTRS 417A - Advanced Nutrition I**

---

(4)

Prerequisites: NTRS 317, BIOL 200B, CHEM 353, MICR 151. Scientific bases for nutritional needs of humans; factors involved in meeting such needs in individuals and population groups; metabolic factors in nutrition.

- **NTRS 417B - Advanced Nutrition II**

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(4)

Prerequisites: NTRS 417A. Scientific bases for nutritional needs of humans; factors involved in meeting such needs in individuals and population groups; metabolic factors in nutrition.

- **NTRS 417L - Nutritional Assessment Laboratory**

---

(1)

Prerequisites: NTRS 317, BIOL 200B, CHEM 353, MICR 151, each with a minimum C grade. Laboratory experience in nutritional assessment using anthropometric, dietary, biochemical, and clinical tests and criteria.

- **NTRS 418 - Community Nutrition**

---

(4)

Prerequisite: NTRS 317. Community nutrition problems, agencies, and programs. Service learning course. Lecture 3 hours, activity 2 hours. A total of 40 hours of service learning required.

- **NTRS 419A - Supervised Practice in Dietetics**

---

(8)

Prerequisites: NTRS 415B, 434, 479; corequisite: NTRS 419S. Intensive learning experiences in food service administration and nutritional intervention in hospitals, public health facilities, or other health care facilities. Supervised experience 24 hours weekly; concurrent weekly professional colloquium required.

- **NTRS 419B - Supervised Practice in Dietetics**

---

(8)

Prerequisites: NTRS 415B, 434, 479; corequisite: NTRS 419S. Intensive learning experiences in food service administration and nutritional intervention in hospitals, public health facilities, or other health care facilities. Supervised experience 24 hours weekly; concurrent weekly professional colloquium required.

- **NTRS 419C - Supervised Practice in Dietetics**

---

(8)

Prerequisites: NTRS 415B, 434, 479; corequisite: NTRS 419S. Intensive learning experiences in food service administration and nutritional intervention in hospitals, public health facilities, or other health care facilities. Supervised experience 24 hours weekly; concurrent weekly professional colloquium required.

- **NTRS 419S - Seminar: Dietetics**

---

(2)

Prerequisites: NTRS 415B, 434, 479; corequisite: NTRS 419A, 419B, or 419C. Selected professional topics in food service administration and nutritional care.

- **NTRS 430 - Sports Nutrition**

---

(4)

Prerequisite: BIOL200AB or equivalent. Advanced topics in nutrition as related to athletic performance; current research on energy nutrient requirements and caloric distribution, fluid needs, ergogenic aids, supplementation, pre/post event meals, and biochemical pathways.

- **NTRS 434 - Management Principles in Dietetics**

---

(5)

Prerequisite: NTRS 414AB. Principles of management for quality food service systems. Lecture 3 hours, laboratory 6 hours.

- **NTRS 438 - Food-Borne Illnesses: Etiology, Prevention and Control**  
(also listed as HS 438)

---

(4)

Prerequisites: MICR 151 and MICR 201, 202. Food-borne diseases and their causes, control and prevention.

- **NTRS 450N - Nutrition and Well Being**

---

(4)

Prerequisite: BIOL 165 or CHEM 158. Nutrition in the life cycle as related to maturation, aging, well being, emphasizing the individual as an integrated being.

- **NTRS 451 - Nutrition and Aging**

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(4)

Prerequisite: BIOL 165, CHEM 151 or CHEM 158. Relationship of nutrition to aging and diseases common among elderly; nutritional needs and problems of elderly.

- **NTRS 454L - Selected Topics in Nutritional Science**

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(1–6)

Current topics of special interest in Nutritional Science as announced in Schedule of Classes. May be repeated for 16 units of credit as subject matter changes.

-

## **NTRS 454P - Selected Topics in Nutritional Science**

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(1–6)

Current topics of special interest in Nutritional Science as announced in Schedule of Classes. May be repeated for 16 units of credit as subject matter changes.

- **NTRS 462 - Alternative Nutrition**

---

(4)

Prerequisite: NTRS 250 or NTRS 317. Nutritional implication of alternative dietary behavior in health promotion and disease prevention; incorporation of functional foods, dietary supplements and medicinal herbs into nutrition as complementary care.

- **NTRS 463 - Functional Foods for Health**

---

(4)

Prerequisite: NTRS 250 or NTRS 317. Use of foods and biological active ingredients for treatment and prevention of diseases; non-nutritive and biochemical constituents of foods to protect human health.

- **NTRS 465 - Medicinal Herbs and Nutrition**

---

(4)

Prerequisite: NTRS 250 or NTRS 317. Nutritional implication of medicinal herbs in health promotion and disease prevention; incorporation of medicinal herbs as complementary treatment option in dietetics.

- **NTRS 467 - Functional Food Design for Health**

---

(4)

Prerequisite: NTRS 250 or NTRS 317. Physiological and food industry perspectives of functional food and health promoting food recipes; biochemical, technological and marketing aspects of functional foods in health promotion and disease prevention.

- **NTRS 479 - Professional Interactions and Writing Skills**  
(also listed as FST 479)

---

(4)

Prerequisites: NTRS 317, NTRS 210, PSY 150, COMM 150. Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Role of the dietitian/nutritionist as an educator on the health care team, with emphasis on the development of written and oral

communication skills. Lecture 3 hours, activity 2 hours. Concurrent weekly professional colloquium required.

- **NTRS 491 - Advanced Community Nutrition: Program Planning and Evaluation**

---

(4)

Prerequisites: NTRS 413, NTRS 418 and WPE This course builds on concepts learned in NTRS 418, Community Nutrition. The focus of this course is program planning, intervention and evaluation of community nutrition programs, especially amongst underserved neighborhoods. Seminar 2 hours, activity 4 hours.

- **NTRS 493 - Grant Writing in Community Nutrition**

---

(4)

Prerequisites: NTRS 413, NTRS 418, NTRS 479 and WPE. Roles of the community and clinical nutritionists/dietitian in grant writing. Working with local community agencies to write and submit grants in the field is required. Lecture 2 hours, activity 4 hours

- **NTRS 495 - Field Work in Nutritional Science**

---

(2–4)

Prerequisites: Thirty-five NTRS units, of which at least 15 must be upper division; School approval. Supervised experience utilizing professional preparation in field setting. Graded CR/NC

- **NTRS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted.

**May be repeated for 12 units of credit.**

### **Nutritional Science (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the School and approval of the graduate adviser: NTRS 419ABC, 419S, 479  
Classified graduate standing is required for admission to 500-level*

- **NTRS 511 - Research Concepts and Methodology in Nutritional Science**

---



(4)

Prerequisites: NTRS 410, 415AB, 417ABL, EDFN 452, HHS 400 or equivalent). Examination of research methodology within conceptual framework of nutritional science; utilization of the tools of research; review and critique of research reports; development of a research proposal and pilot project. Lecture 3 hours, activity 2 hours.

- **NTRS 513 - Advanced Problems and Topics in Nutritional Science**

---

(4)

Prerequisites: NTRS 410, 415AB, 417ABL. Contemporary problems and topics in nutritional science.

- **NTRS 519 - Seminar: Special Topics in Food and Nutritional Science**

---

(4)

Prerequisites: 8 units of 400 or 500-level courses in nutrition, food, dietetics. Selected topics in nutrition, food, and dietetics. (May be repeated as subject matter changes to maximum of 12 units.)

- **NTRS 521 - Advanced Topics in Eating Behaviors**

---

(4)

Prerequisite: NTRS 417AB. An examination of current research trends and health problems associated with eating behaviors such as dieting, disordered eating, compulsive overeating, restrictive eating and unusual diet practices.

- **NTRS 523 - Advanced Topics in Dietetic Management**

---

(4)

Prerequisites: NTRS 414A, 414B, 434 or equivalent. Topics in foodservice and dietetic management will be examined, including trends, regulatory agencies, legislations, current research and controversies.

- **NTRS 525 - Advanced Topics in Food Science and Technology**

---

(4)

Prerequisite: NTRS 410. Current developments in food chemistry, food engineering and physical properties, food microbiology and safety, and sensory and nutritive qualities of foods.

- **NTRS 527 - Nutritional Epidemiology**

---

(4)

Prerequisite: Basic statistics course. Critical reading of nutritional epidemiology research. Basic research methods will be reviewed, and issues in design, analysis, and interpretation unique to nutritional epidemiology are addressed.

- **NTRS 595 - Fieldwork in Nutritional Science**

---

(2–4)

Prerequisites: School approval; agency/business acceptance, and 23 units of upper division or graduate level units. Supervised experience at supervisory level. Four hours per week required for each unit. May be repeated to a maximum of 6 units. Combined units of 495, 595, 597, 598, and 599 may not exceed 15 units. Graded CR/NC.

- **NTRS 596 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **NTRS 597 - Graduate Research**

---

(1–4)

Prerequisites: NTRS 511, instructor consent to act as sponsor, School approval of project before registration. Independent research under faculty guidance. May be repeated to maximum of 8 units; combined 587/598 units may not exceed 12 units; combined 595, 597, 598, 599 units may not exceed 15 units. Graded CR/NC.

- **NTRS 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: NTRS 597, instructor consent to act as sponsor; School approval of topic prior to registration. Independent directed study of advanced topics. May be repeated to maximum of 8 units: combined 597 and 598 units may not exceed 12 units; combined 595, 597, 598, and 599 may not exceed 15 units.

- **NTRS 599 - Thesis or Project**

---

(1–6)

Prerequisites: NTRS 511 or KIN 504, NTRS 513, advancement to candidacy, minimum 3.0 GPA,

instructor consent to act as sponsor, School approval of topic before registration. Independent research resulting in thesis or project; oral thesis defense required. May be repeated to maximum of 6 units; combined 595, 597, 598, 599 units may not exceed 15. Graded CR/NC.

## **Pan-African Studies (Undergraduate)**

- **PAS 102 - The African Diaspora in the United States**  
(also listed as LAS 102)

---

(4)

Diversity among the varied people of African descent in the United States and their relation to the dominant society.

**GE D ; Approved diversity course**

- **PAS 108 - Comparative Ethnic Studies**  
(also listed as LAS, AAAS, CHS 108)

---

(4)

This survey course examines comparatively the notions of “race” and ethnicity, the exploitation based on these statuses, and the resulting resistance and multi-ethnic social movements in the U.S. and elsewhere.

- **PAS 120 - Elementary Igbo**

---

(4 Units).

Methodical presentation of fundamental structure of language through hearing, speaking, reading and writing Igbo. Introduction to the customs, culture, and institutions of the Igbo people.

**GE C3**

- **PAS 140 - Introduction to Globalization, Race, and Place**  
(also listed as AAAS 140, CHS 140, and LAS 140)

---

(4)

Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race.

- **PAS 180 - Race and Ethnicity in American Society**

---

(4)

An interdisciplinary examination of ethnic and racial groups in America.

**GE D ; Approved diversity course**

- **PAS 250A - African History**

---

(4)

Major themes of African history from origin of humankind and African civilization to institutional realities of Africa today.

**GE D**

- **PAS 250B - African History**

---

(4)

Major themes of African history from origin of humankind and African civilization to institutional realities of Africa today.

**GE D**

- **PAS 251A - African American History**

---

(4)

History of African Americans from the beginning of the nation to the present.

- **PAS 251B - African American History**

---

(4)

History of African Americans from the beginning of the nation to the present.

- **PAS 254 - Special Topics in Pan-African Studies**

---

(1–4)

Prerequisite: As needed for specific topic. Current topics of special interest to students in Pan-African Studies, as announced in Schedule of Classes. May be repeated to maximum of 8 units as subject matter changes.

- **PAS 260 - Third World Images in Film**  
(also listed as CHS 260)

---

(4)

Introduction to a critical examination of the historical and cultural representations of Third World peoples, including U.S. and Third World cinemas.

**GE C2 ; Approved diversity course**

- **PAS 301 - The Black Experience Across Disciplines: Intensive Writing and Research**

---

(4)

Prerequisites: ENGL 102 and satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Interdisciplinary approach to Pan-African Studies that provides an intensive writing experience including: thesis-statement development, organization and structure, citations bibliography, data collection, argumentation/methodology, and utilization of editorial assessment.

- **PAS 327 - Ethnicity and Emotions in U.S. Film  
(also listed as ENGL 327 and CHS 327)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Critical analysis of the representations of ethnicity and emotions in U.S. film.

**GE Theme E ; Approved diversity course**

- **PAS 342 - Cultural Impact of Development  
(also listed as LAS 342)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Impact of colonialism, neocolonialism and globalization on art, literature, music and identity in developing countries.

**GE Theme A ; Approved diversity course**

- **PAS 348 - Class, Race/Ethnicity, and Gender  
(also listed as AAAS 348, CHS 348 and SOC 348)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of social class, sex/gender, and ethnicity/race as bases of inequality and the processes by which inequalities are maintained or reproduced. Some course sections may require service-learning. Some course sections maybe offered online.

**GE Theme H**

- **PAS 360 - Dynamics of Change in the Developing World**

**(also listed as LAS 360 and POLS 360)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Case studies illustrating why the third world came into being and how it is changing in the context of the globalized world economy.

**GE Theme A ; Approved diversity course**

- **PAS 369 - Race, Activism, and Emotions**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. With reference to historic and contemporary movements for racial justice, this course examines how human emotions both shape, and are shaped by, individual and group action.

**GE Theme E ; Approved diversity course**

- **PAS 377 - Literary Explorations of Justice and Racism**  
**(also listed as ENGL 377)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Analysis of the literary depiction of racism and justice, with emphasis on the treatment of civil rights issues in fiction, drama, and poetry.

**GE Theme H ; Approved diversity course**

- **PAS 380 - Education and Development in the Third World**  
**(also listed as EDFN 380 and LAS 380)**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Comparative analysis of the systems of education in the Third World with particular emphasis on educational problems and issues, and their relationship to economic development and social change.

- **PAS 386 - Literature and the Third World**  
**(also listed as ENGL 386)**

---

(4)

Prerequisites: Completion of Basis Subjects (Block A) and one course from Block C. Critically survey cultural representations, themes, and techniques of Third World literature and their Western diaspora writers.

- **PAS 395 - Service in Black Community**

---

(1–4)

Prerequisites: Approval by department faculty adviser in consultation with EPIC Director, acceptance by community agency. Participation in work of community agency or activity utilizing professional and/or vocational skills in service to community. Graded CR/NC. Credit toward baccalaureate limited to 4 units.

- **PAS 400 - Psychology and African Americans**

---

(4)

An examination of psychological research/theory relevant to African Americans, particularly the impact of racial discrimination on identity, class, gender, sexual orientation, biracialism, family-community relations, education, and mental health.

- **PAS 401 - Topics on Education and African American Advancement**

---

(4)

Exposes students to controversies over education as a factor in African American advancement, including desegregation, busing, community control, inner-city education, affirmative action, performance ratings, multiculturalism, charter schools, vouchers and others.

- **PAS 402 - Black Political Economy**

---

(4)

Examines American capitalism and government policy in relation to racial discrimination and inequality; course also explores strategies of economic empowerment and social justice in the Black experience.

- **PAS 403 - The Black Intellectual Tradition**

---

(4)

A comprehensive survey of the modern Black intellectual tradition and relevant social movements, including thinkers associated with nationalism, socialism, communism, liberalism, populism, feminism, Pan-identity, conservatism and other approaches to thought.

- **PAS 404 - The Black Family**

---

(4)

Examines transitions of the African American family from slavery to the present, including distinctive structures/values and interpretations of its African heritage.

- **PAS 405 - Black Feminism**

---

(4)

Examines ideas associated with Black feminism and womanism – social foundations of Black women’s consciousness, Black male-female relations and engagement with other feminisms, both mainstream and amongst women of color.

- **PAS 406 - Black Women Leaders in Thought and Politics**

---

(4)

Highlights the civic engagement of Black women in America and comparative contexts. The course emphasizes Black gender identity as an influence on political, religious, social, professional and intellectual activism.

- **PAS 408 - Comparative Diaspora Studies  
(also listed as AAAS, CHS, LAS 408)**

---

(4)

Prerequisite: Any lower division course in AAAS, PAS, CHS or LAS. The course is a comparative examination of diaspora among principally Africans, Asians and Latin Americans emphasizing the conditions of dispersal, the patterns of settlement, and the formations of global tribes.

- **PAS 412 - Third World Women and Development**

---

(4)

Prerequisites: Upper division standing: ANTH 250 recommended. The status and role of Third World women in societal development with primary emphasis on Black women in developing countries.

- **PAS 414 - African Diaspora: Globalization, Locality, Community**

---

(4)

Concepts such as globalization, identity, locality, and community are used to expose students to diversity within the African Diaspora and to countries with significant populations or subpopulations of African descendants.

- **PAS 416 - Pan Africanism and World Politics**

---



(4)

The interplay of Pan-Africanism as a cultural and sociopolitical movement in world politics.

- **PAS 417 - Hip-Hop as Political Expression**

---

(4)

Course examines rap/Hip-Hop music as a form of political expression, with special emphasis on its domestic and international influence among youth in marginalized communities.

- **PAS 418 - African American Religion as Civic Culture**

---

(4)

Examines African American religion as a unique civic culture, including protest movements, political engagement, leadership formation, public policy, intellectual/theological traditions, Pan African identity, Islam/ black nationalism, and international affairs.

- **PAS 420 - African Foundations of African American Culture**

---

(4)

Exploration of existence of Africanisms, retentions, and syncretisms in the New World and their relationship to contemporary events and society.

- **PAS 421 - African American Music as History and Criticism**

---

(4)

Relates definitive styles of African American music to their original historical and social contexts as well as to assessments of each genre's influence on Black identity and race relations.

- **PAS 422 - Themes in Black Literature**

---

(4)

Analysis and discussion of representative works of Black authors from 18th century to present.

- **PAS 440 - Power and African American Communities**

---

(4)

Study of power relations in African American communities, including the interactions between community and dominant institutions.

- **PAS 441 - Power and African American Communities: Field Research**

---

(4)

Prerequisite: PAS 440 recommended. Supervised study and field research on topics relevant to power in African American communities.

- **PAS 456 - Politics of the Caribbean and Central America  
(also listed as POLS 456)**

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(4)

Prerequisite: POLS 150. Political development and dependency in the Caribbean and Central America.

- **PAS 480 - Education and Development in Africa**

---

(4)

Prerequisite: Upper division standing. Study of the educational systems in Africa with emphasis on the social, economic, and political factors influencing educational objectives and strategies.

- **PAS 490 - Special Topics in Pan-African Studies**

---

(4)

Prerequisite: Instructor consent. Presentation and discussion of academic papers relating to given topic; lectures aimed at critical analysis and appraisal. May be repeated once for credit.

- **PAS 495 - Senior Thesis**

---

(1–4)

Prerequisites: ENGL 102\*; passing WPE score; PAS 301; senior standing; consent of full-time faculty member to serve as advisor and recommendation of department chair. Individual project/senior thesis on Pan African Studies topic; course emphasizes research techniques, problem identification, hypothesis formulation, data gathering/analysis, effective writing and academic standards of format/style. \*Students subject to earlier catalogs satisfy this prerequisite with ENGL 101 or 190.

- **PAS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Minimum of 8 units in Pan-African Studies, 3.0 grade point average, senior or

graduate standing, consent of full-time faculty member to serve as sponsor, and recommendation of department chairperson. Term project selected in conference with sponsor, progress meetings held regularly, final report required. May be repeated to maximum of 8 units.

## **Persian (Undergraduate)**

- **PERS 100A - Elementary Persian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Persian. Introduction to the customs, culture, and institutions of the Persian-speaking peoples.

- **PERS 100B - Elementary Persian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Persian. Introduction to the customs, culture, and institutions of the Persian-speaking peoples.

- **PERS 100C - Elementary Persian**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of the language through hearing, speaking, reading, and writing Persian. Introduction to the customs, culture, and institutions of the Persian-speaking peoples.

## **Philosophy (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **PHIL 151 - Philosophical Ideas: Knowledge and Reality**

---

(4)

An examination of major philosophical issues concerning knowledge and reality, such as skepticism, belief, truth, the existence of God, personal identity, and the mind/body problem.

**GE C3**

- **PHIL 152 - Philosophical Ideas: Human Values**

---

(4)

An examination of philosophical issues concerning human values, such as relativism, the good life, and value conflicts.

**GE C3**

- **PHIL 160 - Critical Thinking**

---

(4)

Logical analysis of language and critical evaluation of arguments in everyday language; deductively valid and invalid argument forms; rudiments of inductive logic and scientific reasoning; informal fallacies. Some sections to be offered online.

**GE A3**

- **PHIL 200 - Introduction to Comparative Religions  
(also listed as RELS 200)**




---

(4)

Methods and concepts in comparative religions; multidisciplinary approaches to the study of ancient and contemporary religious phenomena in literate and nonliterate cultures. Some sections of the course may be taught online.

**GE C3 ; Approved diversity course**

## Course Descriptions

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### Philosophy (Undergraduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

#### • **PHIL 210 - Conceptions of the Self in Philosophy and Literature** (also listed as ENGL 210)

---

(4)

Examination of various conceptions of the self as they arise in philosophical and literary texts; examination of methods and goals of the philosophical and literary arts.

**GE C5**

#### • **PHIL 220 - Contemporary Moral and Social Issues in a Multicultural Society**

---

(4)

Philosophical examination of values, assumptions, and arguments concerning moral and social issues in a multicultural society. Possible topics include, reproductive rights, sexuality, racism, sexism, and justice. May include optional service learning.

**GE C3 ; Approved diversity course**

#### • **PHIL 230 - The Meanings of Human Life: A Multicultural Approach**

---

(4)

Multicultural investigations of the diverse meanings of human life. Emphasis on contrasting accounts of the self and its place in the world: and connections between philosophy and life experience. May include optional service learning.

**GE E ; Approved diversity course**

#### • **PHIL 250 - Introduction to Symbolic Logic**

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(4)

Introduction to modern symbolic logic and its relation to everyday language; methods of establishing the logical content of statements and of analyzing and/or criticizing arguments for validity and invalidity.

**GE A3**

#### • **PHIL 300 - Philosophical Research and Writing**

---

(4)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Instruction and practice in philosophical analysis, research, and writing; survey of various forms of philosophical writing; reading, research, and writing strategies; preparation for advanced course work in philosophy.

#### • **PHIL 304 - Ethics I**

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(4)

Analysis of empirical and normative factors involved in choice, types of ethical theory, nature of moral standards and judgments.

- **PHIL 311 - History of Ancient Philosophy**

---

(4)

Development of philosophical thought from the pre-Socratics to Plotinus; principal thinkers, major problems, and dominant trends in Western thought.

- **PHIL 313 - History of Modern Philosophy**

---

(4)

Prerequisite: One PHIL course. Development of philosophical thought from the Renaissance to Kant; principal thinkers, major problems, and dominant trends in Western thought.

- **PHIL 321 - Ancient Thought and its Modern Legacy**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Major themes in classical thought and their ongoing influence, for example, the development of self-consciousness, the concept of rationality, human values and the meaning of life.

**GE Theme I**

- **PHIL 323 - Human Diversity and Justice**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Philosophical examination of justice and its relations to individual, social and political treatment of differences in race, ethnicity, gender, class, religion. Implications for individual and cultural pride, self-respect, cultural diversity. May include optional service learning.

**GE Theme H ; Approved diversity course**

- **PHIL 325 - Violence and Ethics**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Philosophical examination of the nature of individual and societal violence including physical and psychological violence. Ethical issues: justification of violence, responsibility for violence, treatment or punishment. Moral psychology of violence.

**GE Theme B**

- **PHIL 327 - Philosophy, Gender and Culture**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Philosophical examination of concepts, values and assumptions relevant to gender in a multicultural context; for example, identity, power, culture and justice; moral issues concerning gender, sexual orientation, love and families. May include optional service learning.

**GE Theme C ; Approved diversity course**

- **PHIL 334 - Post-Colonial Values and Modernization in the Developing World**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Philosophical investigation of concepts and values underlying the modernization of developing countries in the areas of socio-economic development, cultural autonomy, ecological sustainability, and the post-colonial challenges of contemporary globalization.

**GE Theme A**

- **PHIL 354 - Special Topics in Philosophy**

---

(1–6)

Prerequisite: As needed for specific topic. Topics of special interest in philosophy as announced in Schedule of Classes. May be repeated to a maximum of 8 units for credit as subject matter changes.

- **PHIL 372 - Philosophy and the Emotions**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Philosophical examination of the nature of emotion; exploration of emotions such as anger, fear, love, shame, jealousy. Relations among emotion, reason, action, character and self-control. Contributions of nature and culture.

**GE Theme E**

- **PHIL 373 - Themes of Adult Life in Philosophy**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Maturity and aging explored philosophically through perspectives of race, ethnicity, class, and gender. Challenges of adult life such as personal relations, self-understanding and responsibility, death and dying, meaningfulness of life.

**GE Theme F ; Approved diversity course**

- **PHIL 380 - Ancient and Modern Science**

---

(also listed as HIST 380 and CHEM 380N)

(4)

Prerequisites: Completion of GE Basic Subjects (Block A) and one course from Block B.

**Systematic analysis of ancient scientific thought and its relationship to modern science.**

- **PHIL 385 - Measurement of Human Difference**

---

(also listed as ANTH 385)

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Exploration of issues of diversity and justice through examination of popularized accounts of scientific research into human difference; topics include I.Q. testing and race, "innate" gender differences, and sexuality.

**GE Theme H**

- **PHIL 395 - Philosophy in Practice: Internships and Service Learning**

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(1–3)

Prerequisite: Consent of instructor and, for service learning, clearance through EPIC. Experiential learning for philosophy majors/minors. Service to legal clinics, courts, schools, law enforcement, art organizations, youth, senior centers, etc. Traditional pre-law internships also available. Written reflection and meetings with instructor. May be repeated up to a maximum of 6 units. Graded CR/NC

- **PHIL 400A - Journal Editing and Production**

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(1–4)

Prerequisite: Invitation by the Philosophy Department. Overview of the techniques for producing a philosophical essay; peer review and copy editing techniques Class will assist in producing a volume of the student philosophical Journal. May be repeated for credit. Permit required.

- **PHIL 400B - Advanced Philosophical Writing and Journal Production**

---

(1–4)

Prerequisite: Invitation by the Philosophy Department. Advanced writing techniques, focusing on the production, evaluation, and revision of philosophical essays; peer review and copy editing techniques. Class will produce a volume of the student philosophical journal. May be repeated for credit. Permit required.

- **PHIL 404 - Inductive Logic**

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(4)

Prerequisite: PHIL 250. Analysis of induction and probability in everyday affairs and in science, systematic development of inductive logic, elements of the probability calculus and applications, philosophical issues in inductive logic.

- **PHIL 405 - Symbolic Logic**

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(4)

Prerequisite: PHIL 250. Logic and language, nature of argument, meaning and truth, propositional calculus, and predicate calculus.

- **PHIL 406 - Advanced Logic**

---

(4)

Prerequisite: PHIL 405. Selected topics in logic; e.g., identity, definite descriptions, foundations of mathematics, metalogic, philosophical logic, as announced in Schedule of Classes. May be repeated as content changes.

- **PHIL 410 - Social and Political Philosophy**

---

(4)

Prerequisite: One PHIL course. Philosophical foundations of social and political thought; analysis of such concepts as state, law, obligation, and sanction, and their relation to issues in metaphysics, theory of knowledge, and ethics.

- **PHIL 413 - Issues in Feminist Philosophy**

---

(Also listed as WOMN 413)

(4)

Prerequisite: One PHIL course. Central philosophical concepts and issues investigated from feminist perspectives, for example, topics in epistemology, philosophy of science, ethics, and personal identity. May be repeated to a maximum of 8 units as topics vary.

- **PHIL 415 - Philosophy of Religion**

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(4)

Prerequisite: One PHIL course. Systematic approach to issues of noteworthy religious significance, such as eternity, faith, worship, the holy, with aim of distinguishing religion from other modes of human experience.

- **PHIL 420 - Ethics II**

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(4)

Prerequisite: PHIL 304. Contemporary meta-ethical theories, analyses of concept of good, analyses of concept of obligation, validation of moral statements, ethical relativism, praise and blame, moral responsibility.

- **PHIL 427 - Environmental Ethics**

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(4)

Prerequisite: One PHIL course. Philosophical examination of concepts, values and moral principles regarding the natural environment and its relationship to human life. Topics may include biodiversity, animal rights, population, world hunger, pollution, sustainable communities.

- **PHIL 428 - Ethics and Genetics**

---

(4)

Prerequisite: One PHIL course. Ethical implications of "mapping" the human genome. Topics include: genetic testing, privacy and informed consent; behavioral genetics; genetic enhancement and eugenics; genetic discrimination; impact on minorities and indigenous peoples.



- **PHIL 429 - Bioethics**

---

(4)

Prerequisite: One PHIL course. Philosophical consideration of moral issues concerning health and health care, such as decisions about death, reproductive choices, medical experimentation, and justice in allocating health resources.

- **PHIL 433 - Latin American Philosophy**

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(4)

Prerequisite: One PHIL course. Philosophical thought in Latin America with emphasis on contemporary philosophers, especially those of Mexico and Argentina.

- **PHIL 436 - South Asian Philosophy**

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(4)

Prerequisite: One PHIL course. Exploration of the 4,000-year Indian/South-Asian philosophical traditions, encompassing the early classics, orthodox and unorthodox systems of Indian Philosophy, and modern developments.

- **PHIL 437 - East Asian Philosophy**

---

(4)

Prerequisite: One PHIL course. Exploration of the philosophical traditions of China, Japan and Korea and the development of those traditions, encompassing Confucianism, Taoism and Buddhism along with their rivals and offshoots.

- **PHIL 440 - Contemporary Philosophy**

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(4)

Prerequisite: One PHIL course. Major problems, issues or trends in philosophy since 1900. May be repeated as topics change to a maximum of 8 units.

- **PHIL 445 - Existentialism**

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(4)

Prerequisite: One PHIL course. Major works of existential philosophy; relation of existentialism to contemporary value problems; 19th century background and contemporary varieties of existential thought, both religious and nonreligious.

- **PHIL 446 - Phenomenology**

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(4)

Prerequisite: One PHIL course. Descriptive and constitutive methodologies of phenomenology; application of phenomenological method to problems in ontology, aesthetics, language, psychology, and social theory.

- **PHIL 447 - Hermeneutics and Critical Theory**

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(4)

Prerequisite: One PHIL course, preferably in history of modern philosophy. Major themes in hermeneutics and critical theory. Topics include: theories of meaning and interpretation, the nature of `texts', the impact of politics, culture and economics on modes of understanding.

- **PHIL 448 - Postmodernism**

---

(4)

Prerequisite: One PHIL course, preferably in history of modern philosophy. Treatment of the major themes in postmodernism: the departure from modernism and structuralism; deconstruction; the critique of foundationalism in epistemology, ethics and politics; language and construction of meaning.

- **PHIL 450 - Plato**

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(4)

Prerequisite: PHIL 311. Exposition and analysis of principal works of Plato.

- **PHIL 451 - Aristotle**

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(4)

Prerequisite: PHIL 311. Exposition and analysis of principal works of Aristotle.

- **PHIL 452 - Medieval Philosophy**

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(4)

Principal themes in neo-Platonic and/or neo-Aristotelian philosophy, with concentration on teachings of particular figures, e.g., Plotinus, Augustine, Pseudo-Dionysius, Anselm, Bonaventure, Aquinas, Duns Scotus, Ockham.

- **PHIL 454 - Islamic Philosophy**

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(4)

Prerequisite: One PHIL, course. PHIL 311 recommended. Central philosophical issues in the Classical era of Islamic thought, 9th to 12th century, such as God's essence and attributes, causality, cosmology and the eternity of the world, and knowledge. May be repeated to a maximum of 8 units as topics vary.

- **PHIL 458 - Major Figures in Modern Philosophy**

---

(4)

Selected philosophers in the modern era: e.g., Descartes, Hobbes, Spinoza, Locke, Berkeley, Hume, Rousseau and Kant. Specific topic listed in Schedule of Classes. May be repeated to a maximum of 8 units as content changes.

- **PHIL 459 - 19th Century Philosophy**

---

(4)

Prerequisite: One PHIL course. PHIL 313 recommended. Selected philosophical themes from Kant to late 19th century; contributions of selected philosophers, e.g.: Kant, Hegel, Marx, Nietzsche, Kierkegaard, Comte and Mill.

- **PHIL 460 - Metaphysics**

---

(4)

Prerequisite: One PHIL course. Investigation of fundamental nature of reality and of persons. Topics include some of the following: free will, personal identity, the mind/ body problem, universals and particulars, abstract objects, space/time and causality.

- **PHIL 470 - Theory of Knowledge**

---

(4)

Prerequisite: PHIL 250; one additional PHIL course. Investigation of fundamental nature of human knowledge and related concepts, including belief, truth, and justification; additional topics may include: realism and relativism, skepticism, critiques of traditional theory of knowledge.

- **PHIL 471 - Philosophy of Mind**

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(4)

Prerequisite: One PHIL course. Philosophical analysis of concepts of mind, mental phenomena, actions, emotions, and will; philosophical theories of mind.

### • **PHIL 474 - Philosophy in Literature**

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(4)

Philosophical ideas and issues in selected literary works.

### • **PHIL 475 - Aesthetics**

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(4)

Prerequisite: One PHIL course. Main problems and principal theories of art creation, appreciation and criticism; aesthetic experience and the work of art; principles of aesthetic evaluation and their effect on morality, government, society, science and philosophy.

### • **PHIL 480 - Philosophy of Language**

---

(4)

Prerequisites: PHIL 250; one additional PHIL course. Semantic, syntactic, and pragmatic dimensions of language; theories of signs and meaning; cognitive, emotive, and other features of language; ordinary language and formal language as analytical tools; philosophical importance of language.

### • **PHIL 485 - Philosophy of Science**

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(4)

Prerequisite: PHIL 250 or upper division standing in any major. Philosophical issues in the physical, life, and social sciences. Problems selected for study may include: concept formation, hypotheses and models, meaning and verification, prediction and explanation, causality and natural law.

### • **PHIL 490 - Philosophy of Law**

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(4)

Prerequisite: One PHIL course. Philosophical investigation of fundamental presuppositions of legal theory, analysis of basic legal concepts.

### • **PHIL 495 - Proseminar: Selected Works in Philosophy**

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(4)

Prerequisite: Varies according to subject matter. Close study of major philosophical writings, stressing meaning, methods of inquiry, and grounds upon which argued. Content varies. May be repeated to a maximum of 12 units for credit as subject matter changes.

### • **PHIL 496 - Senior Seminar**

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(2)

Prerequisites: PHIL 300 and senior standing in Philosophy major. Reflection on the purposes, methods and styles of Philosophy. Students' self-assessment of their own philosophical development.

### • **PHIL 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: Consent of an instructor to act as sponsor; ability to assume responsibility for independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to a maximum of 8 units for credit.

## Philosophy (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission.

### • PHIL 500A - Journal Editing and Production

---

(1–4)

Prerequisite: Graduate standing and invitation by the philosophy department. Overview of the techniques for producing a philosophical essay; peer review and copy editing techniques. Class will assist in producing a volume of the student philosophical journal. May be repeated for credit. Permit required.

### • PHIL 500B - Graduate Philosophical Writing and Journal Production

---

(1–4)

Prerequisite: Graduate standing and invitation by the philosophy department. Advanced writing techniques, focusing on the production, evaluation and revision of philosophical essays; peer review and copy editing techniques. Class will produce a volume of the student philosophical journal. May be repeated for credit. Permit required.

### • PHIL 510 - Seminar: History of Philosophy

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(4)

Advanced study of selected figures and problems in history of philosophy. May be repeated to a maximum of 8 units as subject matter changes.

### • PHIL 511 - Seminar: History of Ancient Philosophy

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(4)

Advanced study of selected figures and problems in history of ancient philosophy. May be repeated to a maximum of 8 units as subject matter changes.

### • PHIL 513 - Seminar: History of Modern Philosophy

---

(4)

Advanced study of selected figures and problems in history of modern philosophy. May be repeated to a maximum of 8 units as subject matter changes.

### • PHIL 515 - Seminar: 18th and 19th Century Philosophy

---

(4)

Advanced study of selected figures and problems in the history of 18th and 19th Century Philosophy. May be repeated to a maximum of 8 units as subject matter changes.

### • PHIL 521 - Seminar: Logic

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(4)

Advanced study of selected problems in deductive or inductive logic. May be repeated to a maximum of 8 units as subject matter changes.

### • PHIL 523 - Seminar: Philosophy of Language

---

(4)

Advanced study of selected problems in philosophy of language. May be repeated to a maximum of 8 units as subject matter changes.

• **PHIL 525 - Seminar: Philosophy of Science**

---

(4)

Advanced study of selected problems in philosophy of the sciences, including mathematics, natural sciences, psychology, and social sciences. May be repeated to a maximum of 12 units as subject matter changes.

• **PHIL 531 - Seminar: Metaphysics**

---

(4)

Advanced study of selected problems in metaphysics. May be repeated to a maximum of 12 units as subject matter changes.

• **PHIL 532 - Seminar: Theory of Knowledge**

---

(4)

Advanced study of selected problems in theory of knowledge. May be repeated to a maximum of 8 units as subject matter changes.

• **PHIL 533 - Philosophy of Mind**

---

(4)

Study of advanced topics in contemporary philosophy of mind, including consciousness, thought, the relationship between thought and consciousness, qualitative experience, and self-knowledge. May be repeated to a maximum of 8 units as subject matter changes.

• **PHIL 542 - Seminar: Aesthetics**

---

(4)

Advanced study of selected problems in aesthetics. May be repeated to a maximum of 8 units as subject matter changes.

• **PHIL 543 - Seminar: Ethics**

---

(4)

Advanced study of selected problems in ethics, including moral theory and applied issues. May be repeated to a maximum of 12 units as subject matter changes.

• **PHIL 544 - Seminar: Social and Political Philosophy**

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(4)

Advanced study of selected problems in social and political philosophy, including social/political theory and applied issues. May be repeated to a maximum of 12 units as subject matter changes.

• **PHIL 580 - Seminar: Critical Thinking—Models and Strategies**

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(4)

Prerequisites: 12 units of Critical Thinking certificate coursework. PHIL 405 strongly recommended. Theoretical models of critical thinking and pedagogical strategies and materials for teaching different kinds of students.

• **PHIL 581 - Projects in Teaching Philosophy**

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(1–4)

Prerequisite: Consent of instructor. Planned preparation and critical evaluation of undergraduate philosophy classes, especially Critical Thinking. May be repeated to a maximum of 16 units. Graded CR/NC.

• **PHIL 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

## • PHIL 598 - Graduate Directed Study

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(1–4)

Prerequisite: Consent of faculty sponsor before registration. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 8 units for credit.

## • PHIL 599 - Thesis

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(1–6)

Prerequisites: Minimum 3.5 grade point average in first 36 units of MA program, formal approval by department. Independent research resulting in a thesis. May be repeated to maximum of 6 units. Graded CR/NC. Not open to students with prior enrollment in comprehensive examinations (PHIL 596).

### Physics (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: PHYS 410AB, 425A, 426AB, 427, 432A, 470, 497, 499.

## • PHYS 101 - Physics

---

(4)

Prerequisite: Knowledge of elementary algebra and trigonometry. Mechanics of particles, rigid bodies; gravity; simple harmonic motion. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course.

\*C-ID PHYS 100S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • PHYS 101P - Physics Recitation

---

(1)

Recitation for Physics 101 with emphasis on techniques of problem solving. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course. Graded CR/NC.

## • PHYS 102 - Physics

---

(4)

Prerequisite: PHYS 101. Waves, sound, fluids, thermal physics, kinetic theory, electrostatics. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course.

\*C-ID PHYS 100S

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## • **PHYS 102P - Physics Recitation**

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(1)

Recitation for Physics 102 with emphasis on techniques of problem solving. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course. Graded CR/NC.

## • **PHYS 103 - Physics**

---

(4)

Prerequisite: PHYS 102. Electricity and magnetism, light and optics, relativity, quanta, atoms, nuclei, and fundamental particles. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course.

\*C-ID PHYS 100S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **PHYS 103P - Physics Recitation**

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(1)

Recitation for Physics 103 with emphasis on techniques of problem solving. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 211-214 and 306 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course. Graded CR/NC.

## • **PHYS 150P - Physics Recitation**

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(1)

Recitation for Physics 150 with emphasis on techniques of problem solving. Graded CR/NC.

## • **PHYS 154L - Selected Topics in Physics**

---

(1-6)

Prerequisite: Specific prerequisites announced in Schedule of Classes. Topics of current interest in physics and astronomy, as announced in Schedule of Classes; relevance of physics in solving problems of modern technological society.

## • **PHYS 154P - Selected Topics in Physics**

---

(1-6)

Prerequisite: Specific prerequisites announced in Schedule of Classes. Topics of current interest in physics and astronomy, as announced in Schedule of Classes; relevance of physics in solving problems of modern technological society.

## • **PHYS 156 - Physics for the Twenty-first Century**

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(4)

Current topics in physics that will play a significant role in social and economic issues of the 21st century. Fundamental physics concepts necessary to understand these topics. Lecture 3 hours, laboratory 3 hours.

**GE B2**

## PHYS 198 - General Physics Laboratory

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(1)

Prerequisites: Approval of the Physics Chair and student's major adviser. Provides registration mechanism for transfer students who require lower division laboratory to complete requirements for lower division physics course.

## • PHYS 211 - Mechanics

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(5)

Prerequisites: High school physics or equivalent, or permission of the department, MATH 206 or equivalent (may be taken concurrently). Four-quarter sequence for physical science and engineering majors, using calculus. Motion in one and two dimensions, Newton's laws of motion, circular motion, work and energy, energy transfer, linear and angular momentum and their conservation, collisions, universal gravitation. Lecture 3 hours, lab 3 hours, tutorial workshop 2 hours.

\*C-ID PHYS 200S

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## • PHYS 212 - Waves, Optics and Thermodynamics

---

(5)

Prerequisites: PHYS 211. Prerequisite or corequisite: MATH 207. Four-quarter sequence for physical science and engineering majors, using calculus. Mechanical vibrations and sound, optics, elementary thermodynamics. Lecture 3 hours, lab 3 hours, tutorial workshop 2 hours.

\*C-ID PHYS 200S

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## • PHYS 213 - Electricity and Magnetism

---

(5)

Prerequisite: PHYS 212. Prerequisite or corequisite: MATH 208. Four-quarter sequence for physical science and engineering majors, using calculus. Elementary field theory, basic electricity and magnetism, DC circuits. Lecture 3 hours, lab 3 hours, tutorial workshop 2 hours.

\*C-ID PHYS 200S

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## • PHYS 214 - Modern Physics

---

(4)

Prerequisite: PHYS 213. Prerequisite or corequisite: MATH 208. Four-quarter sequence for physical science and engineering majors, using calculus. Quantization of charge, light and energy. Structure of the atom. Wave properties of particles. Schrodinger equation. Atomic physics. Molecular structure and spectra. Lecture 3 hours, lab 3 hours.

\*C-ID PHYS 200S

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community*



college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **PHYS 306 - Modern Physics**

---

(4)

Prerequisites: PHYS 213, MATH 209. Corequisite PHYS 214. Special relativity, statistical physics, solid state physics, nuclear and particle physics, astrophysics and cosmology.

- **PHYS 311 - Elements of Modern Astronomy**  
(also listed as ASTR 311)

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(3)

Prerequisite: PHYS 214. Survey of modern astronomy, designed for students majoring in physical sciences, engineering, or mathematics.

- **PHYS 312 - Basic Electronics**

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(4)

Prerequisite: PHYS 213. AC and DC circuits, solid-state circuits and devices, feedback, operational amplifiers. Lecture 3 hours, laboratory 3 hours.

- **PHYS 313 - Digital Electronics**

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(4)

Prerequisite: PHYS 312. Design and use of pulse circuits and digital logic circuits. Fundamentals of computer design and computer programming. Lecture 3 hours, laboratory 3 hours.

- **PHYS 320 - Physics Computing**

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(3)

Prerequisites: MATH 206 and either PHYS 101 or PHYS 211. Corequisite: MATH 207. Introduction to the use of computers in physics. The use of numerical recipes and symbolic manipulation programs for the solution of scientific problems. Lecture 2 hours, laboratory 3 hours.

- **PHYS 333 - Applied Modern Physics**

---

(4)

Prerequisites: MATH 215, PHYS 213. Selected topics in modern physics of solids including special relativity, wave mechanics, photons, phonons, applications to lasers, semiconductors, and other devices.

- **PHYS 350N - Evolution of Universe and Earth**  
(also listed as GEOL 350N)

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(4)

Prerequisite: GE natural science requirement. Origin and evolution of the universe, elements, stars, sun, the Earth, and life upon it.

- **PHYS 396 - Honors Studies in Physics**

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(3)

Prerequisite: Admission to departmental honors program. Study leading to colloquium presentation required for conferral of Bachelor of Science degree with Departmental Honors in Physics.

- **PHYS 410A - Mathematical Methods of Physics**




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(4)

Prerequisites: PHYS 213; MATH 209. Vector calculus, integration, series, complex variables, special functions, boundary value problems, calculus of variations. Emphasis on mathematical solution of problems in physics.

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## Course Descriptions

### Physics (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: PHYS 410AB, 425A, 426AB, 427, 432A, 470, 497, 499.

#### • **PHYS 410B - Mathematical Methods of Physics**

---

(4)

Prerequisites: PHYS 213; MATH 209. Vector calculus, integration, series, complex variables, special functions, boundary value problems, calculus of variations. Emphasis on mathematical solution of problems in physics.

#### • **PHYS 411 - Introduction to Astrophysics** (also listed as ASTR 411)

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(3)

Prerequisites: PHYS 306; PHYS 311 recommended. Celestial mechanics, stellar interiors, atmospheres, and evolution; introductory cosmology.

#### • **PHYS 412 - Laboratory Applications of Minicomputers and Microcomputers**

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(4)

Prerequisite: PHYS 313 strongly recommended. The use of minicomputers and microcomputers in physics laboratories and research. Fundamentals of data acquisition, interfacing, and data display. Lecture 2 hours, laboratory 6 hours.

#### • **PHYS 425A - Introduction to Theoretical Physics**

---

(4)

Prerequisites: PHYS 214, 410A. Application of mathematics to solutions of problems in physics with emphasis on general area of mechanics; Newtonian, Lagrangian, and Hamiltonian mechanics, field theory, special relativity.

#### • **PHYS 425B - Introduction to Theoretical Physics**

---

(4)

Prerequisites: PHYS 214, 410A. Application of mathematics to solutions of problems in physics with emphasis on general area of mechanics; Newtonian, Lagrangian, and Hamiltonian mechanics, field theory, special relativity.

#### • **PHYS 426A - Electricity and Magnetism**

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(3)

Prerequisites: PHYS 214, 410A. Theoretical electricity and magnetism; properties of electric and magnetic fields, electromagnetic waves; emphasis on mathematical solution of problems.

#### • **PHYS 426B - Electricity and Magnetism**

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(3)

Prerequisites: PHYS 214, 410A. Theoretical electricity and magnetism; properties of electric and magnetic fields, electromagnetic waves; emphasis on mathematical solution of problems.

### • **PHYS 427 - Thermodynamics**

---

(4)

Prerequisites: PHYS 214, MATH 209. Corequisite: 410A. Introduction to thermodynamics and statistical physics; emphasis on mathematical solution of problems.

### • **PHYS 428 - Statistical Physics**

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(3)

Prerequisite: PHYS 427. Introduction to statistical mechanics, transport phenomena, fluctuations; emphasis on mathematical solution of problems.

### • **PHYS 431 - Modern Optics**

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(4)

Prerequisites or corequisites: PHYS 214, 410AB; recommended corequisite: PHYS 471. Introduction to modern optics; geometric optics by matrix methods, partial polarization, coherence, diffraction, quantum optics, and developments in laser technology.

### • **PHYS 432A - Introductory Quantum Mechanics**

---

(3)

Prerequisites: PHYS 306, 410A. Introduction to quantum mechanics with applications; emphasis on mathematical solution of problems. Fundamentals of wave mechanics, wave packets, and the uncertainty principle. Schrödinger's equation, operators and eigenfunctions, one-dimensional problems.

### • **PHYS 432B - Introductory Quantum Mechanics**

---

(3)

Prerequisites: PHYS 306, 410A. Introduction to quantum mechanics with applications; emphasis on mathematical solution of problems. Central potentials, spectroscopy, spin and angular momentum, symmetry and conservation laws.

### • **PHYS 433 - Solid State Physics I**

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(4)

Prerequisites: PHYS 306; 427 recommended. Crystal structure, thermal and electrical behavior of insulators, metals, and semiconductors; band theory.

### • **PHYS 434 - Solid State Physics II**

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(4)

Prerequisites: PHYS 432A; 427, 433 recommended. Fermi surface, transport theory, superconductivity, magnetic resonance, optical properties, superfluidity, ion implantation.

### • **PHYS 443A - Physical aspects of living state.**

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(3)

Prerequisites: Lower division biophysics or biochemistry program; CHEM 401 or PHYS 427. Lecture 3 hours.

- **PHYS 443B - Biophysics**

---

(2)

Prerequisites: Lower division biophysics or biochemistry program; CHEM 401 or PHYS 427. Theory of physical methods used in measurement of biological processes. Lecture 2 hours.

- **PHYS 444 - Nuclear Physics**

---

(4)

Prerequisite: PHYS 306. Nuclear phenomenology; alpha, beta, and gamma decays; nuclear reactions, nuclear energy, radiation detectors; radioactivity.

- **PHYS 470 - Advanced Physics Laboratory I**

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(3)

Prerequisites: PHYS 306, 312. Instrumentation, techniques, and analytical evaluation involved in current experimental practice; basic experiments in vacuum techniques, and in classical, solid-state, and nuclear physics. Lecture 1 hour, laboratory 6 hours.

- **PHYS 471 - Advanced Physics Laboratory II**

---

(3)

Prerequisite: PHYS 470. Further advanced laboratory experience in contemporary fields. Experiments in nuclear physics, solid-state physics, cryogenics, optics, laser physics, spectroscopy, and related topics, as selected by instructor. Lecture 1 hour, laboratory 6 hours. May be repeated to maximum of 9 units.

- **PHYS 488 - Modern Topics in General Relativity  
(also listed as ASTR 488)**

---

(3)

Prerequisites: PHYS 410AB; 425AB strongly recommended. Introduction to basic ideas of general relativity: physics of spacetime, relativistic stars, gravitational collapse and black holes, gravitational waves, testing of general relativity.

- **PHYS 491 - Topics in Contemporary Experimental Physics**

---

(3)

Prerequisites: Upper division or graduate standing in physics; others as listed in department announcement. Each section of course is a lecture series designed to present current developments in research; laboratory program may be included. Specific topics listed in Schedule of Classes and in department. May be repeated for credit.

- **PHYS 492 - Topics in Contemporary Theoretical Physics**

---

(3)

Prerequisites: Upper division or graduate standing in Physics; others as listed in department announcement. Each section of course is a lecture series designed to present current developments in theory. Specific topic listed in Schedule of Classes and in department. May be repeated for credit.

- **PHYS 497 - Undergraduate Research**

---

(1–4)

Prerequisite: Consent of faculty sponsor prior to registration. Laboratory work organized on a project basis open to a limited number of qualified physics majors each year. Emphasis on developing experimental ability and initiative of the student. May be repeated for credit.

- **PHYS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: Consent of faculty sponsor before registration and ability to work independently. Includes regular conferences with sponsor and preparation of a report. May be repeated for credit.

## Physics (Graduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: PHYS 410AB, 425AB, 426AB, 427, 432AB, 470, 497, 499.

Classified graduate standing is required for admission.

### • **PHYS 510A - Mathematical Methods of Physics**

---

(4)

Prerequisites: PHYS 410AB, 425A, 426A. Intended for beginning graduate students. Problem-solving using techniques current in theoretical physics. Series, integration, complex variables, integral transforms, matrices, eigenvalues, special functions, integral equations, numerical methods, probability and tensors.

### • **PHYS 510B - Mathematical Methods of Physics**

---

(4)

Prerequisites: PHYS 410AB, 425A, 426A. Intended for beginning graduate students. Problem-solving using techniques current in theoretical physics. Series, integration, complex variables, integral transforms, matrices, eigenvalues, special functions, integral equations, numerical methods, probability and tensors.

### • **PHYS 512A - Modern Physics**

---

(4)

Prerequisites: PHYS 425A, 426A Hydrogen atom, atomic spectroscopy, electron shell structure, molecular binding, quantum statistics, and theory of solids.

### • **PHYS 512B - Modern Physics**

---

(4)

Prerequisites: PHYS 425A, 426A X-rays, properties of nuclei, radioactivity, nuclear forces, elementary particles, cosmic rays, nuclear astrophysics.

### • **PHYS 530A - Classical Physics**

---

(4)

Prerequisite or corequisite: PHYS 510AB. Unified treatment of advanced topics in classical physics, including Lagrange's and Hamilton-Jacobi theory, special relativity, electrodynamics, and radiation theory.

### • **PHYS 530B - Classical Physics**

---

(4)

Prerequisite or corequisite: PHYS 510AB. Unified treatment of advanced topics in classical physics, including Lagrange's and Hamilton-Jacobi theory, special relativity, electrodynamics, and radiation theory.

### • **PHYS 531 - Topics in Electrodynamics**

---

(4)

Prerequisite: PHYS 530AB. Continuation and expansion of topics covered in 530B. Emphasis on special topics and applications such as wave guides, scattering, diffraction, plasma physics, radiation damping, and self fields of a particle.

- **PHYS 532A - Quantum Mechanics**

---

(4)

Prerequisite or corequisite: PHYS 510AB. Formal structure of quantum mechanics, hermitian operators, Schrödinger theory and applications to soluble systems, angular momentum, and rotation matrices.

- **PHYS 532B - Quantum Mechanics**

---

(4)

Prerequisite or corequisite: PHYS 510AB. Scattering theory and phase-shift analysis, matrix mechanics, spin, permutation symmetry and identical particles, and approximation methods.

- **PHYS 533 - Solid State Theory**

---

(4)

Prerequisites: PHYS 432A, 510AB; 433 recommended. Use of quantum field theory and group theory for development of solid state topics such as band theory, transport processes, and collective particle phenomena.

- **PHYS 542 - Physics Research Conference**

---

(1)

Weekly meetings of faculty and students for report and discussion of recent developments in physics. Includes presentations by faculty, advanced students, or invited speakers. May be repeated to maximum of 2 units. Graded CR/NC.

- **PHYS 544 - Theoretical Nuclear Physics**

---

(4)

Prerequisites: PHYS 510AB, 532A. Selected topics from theory of nuclear models, nuclear reactions, and symmetry properties of elementary particles.

- **PHYS 592 - Seminar: Contemporary Physics**

---

(1–4)

Prerequisite: Department approval. Current topics in theoretical and/or experimental physics. May be repeated to maximum of 16 units as subject matter changes.

- **PHYS 596 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **PHYS 597 - Graduate Research**

---

(1–4)

Prerequisites: Consent of a faculty sponsor and departmental approval of project prior to registration. Independent research, under guidance of the faculty. May be repeated for credit. Graded CR/NC.

- **PHYS 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Consent of a faculty sponsor before registration. Independent study of advanced topics in the field; regular conferences with the sponsor. May be repeated for credit.

- **PHYS 599 - Thesis**

---

(1–4)

Prerequisites: Advancement to candidacy, consent of a faculty sponsor, departmental approval of topic prior to enrollment in course. Independent research resulting in a thesis. May be repeated to maximum of 9 units. Graded CR/NC.

**Political Science (Graduate)**

*Classified graduate standing is required for admission to all 500-level courses.*

- **POLS 504 - Seminar: American Political Behavior**

---

(4)

Prerequisite: Department approval. Research and quantitative analysis of various forms of American political behavior. Topics may include: voting, participation, group behavior, policymaking, institutional decision-making, public opinion.

- **POLS 505 - Seminar: American Political Studies**

---

(4)

Prerequisites: Baccalaureate; superior academic performance in political science. Analysis of selected issues and problems of national significance in the U.S. May be repeated as subject matter changes.

- **POLS 509 - Seminar: Foundations of Empirical Political Theory**

---

(4)

Prerequisite: Departmental approval. Values and limitations in past and current applications of philosophy and methods of science to study of politics.

- **POLS 510 - Seminar: Political Theory**

---

(4)

Prerequisites: POLS 431, 433, or 435. Selected topics in political philosophy. May be repeated as subject matter changes.

- **POLS 526 - Seminar: International Political Economy  
(also listed as ECON 526)**

---

(4)

Prerequisite: ECON/POLS 426 plus POLS 427. Research and analysis of the interactions of politics and economics in the international arena.

- **POLS 527 - Seminar: Advanced Studies in International Relations**

---

(4)

Prerequisites: POLS 427 plus 4 units in POLS 425, 426 or 429, or LAS 424. Selected topics in international politics. May be repeated for a total of 8 units, with advisor approval, as subject matter changes.

- **POLS 531 - Seminar: Latin American Government**

---

(4)

Prerequisite: POLS 451. Analysis of selected topics in Latin American politics.

- **POLS 550 - Seminar: Comparative Politics**

---

(4)

Prerequisites: POLS 457 plus 4 units in POLS 450-456. Selected topics in comparative politics. May focus on specific geographic areas,



particular political processes, and/or specific stages of political development.

- **POLS 565 - Seminar: Public Sector Labor Relations**

---

(4)

Prerequisites: POLS 460 and 462. Collective bargaining in federal, state and local government, with emphasis on California. Differences between the public and private sectors, bargaining legislation, negotiations, impasse resolution.

- **POLS 567 - Seminar: The Third Sector and Nonprofit Organizations**

---

(4)

Study of increasingly integrated relationship between government and third sector service providers; professional management of nonprofit organizations in a complex environment; grant writing project. (Students who have taken POLS 467 cannot receive credit for POLS 567.)

- **POLS 568 - Seminar: Community Development Administration**

---

(4)

Prerequisite: Instructor consent. Theory and process of planned development; role of administration in formulating and implementing development goals at all political community levels; planning, strategy, obstacles, assistance, development of competent personnel, institution-building.

- **POLS 571 - Intergovernmental Relations**

---

(4)

Prerequisites: POLS 460 and 462. Dynamics and patterns of vertical and horizontal intergovernmental relations; challenges to the contemporary urban administrator in dealing with other governments at all levels.

- **POLS 572 - Public Sector Organization and Management**

---

(4)

Prerequisites: POLS 460 and 462. Organization structures and theories of management in the public sector. Decision-making, human relations, goal setting, leadership in government organizations.

- **POLS 573 - Public Sector Human Resource Management**

---

(4)

Prerequisite: POLS 460 and 462. Case studies of personnel problems encountered in governmental agencies; examination of varying roles of boards, commissions, and official legislative bodies; new frontiers in personnel research and personnel legislation.

- **POLS 574 - Public Budgeting and Financial Administration**

---

(4)

Prerequisites: POLS 460 and 462. Issues and problems in budget authorization, execution, and control, including public policy implications; special emphasis on program and performance budgeting.

- **POLS 575 - Seminar: Administrative Systems in Pacific Rim Nations**

---

(4)

Prerequisites: POLS 460 and 462. Comparison of public sector administrative systems in selected Pacific Rim nations. Analysis of the impact of the administrative environment on governmental institutions.

- **POLS 578 - Research Design for Public and Nonprofit Managers**

---

(4)

Prerequisites: POLS 281 or equivalent, 460 and 462. Quantitative and qualitative approaches to research in public and nonprofit administration focusing on research designs and measurement, resulting in the preparation of an individual applied research design.

### • **POLS 579 - Public Sector Information Management and Computing**

---

(4)

Prerequisites: POLS 460 and 462. Public sector computer management trends, issues and applications. Issues of particular concern to public sector managers; information policy and public access, privacy, security, computer crime.

### • **POLS 580 - Data Analysis for Public and Nonprofit Managers**

---

(4)

Prerequisites: POLS 281, or equivalent, 460 and 462. Quantitative approaches to research in public and nonprofit administration, for policymaking and program evaluation, covering research designs, measurement, and descriptive, bivariate, and multivariate analysis using the SPSS software.

### • **POLS 583 - Seminar: Health Politics and Policy**

---

(4)

Health politics and policy at the national level and in California. Role of Congress, executive branch, media, interest groups, and industry. Policy tradeoffs, design, implementation, and evaluation of health policy.

### • **POLS 584 - Seminar: Issues in the Metropolitan Area**

---

(4)

Prerequisites: POLS 460 and 462. This seminar surveys the special problems of cities at the turn of the 21st century, focusing on the discovery of characteristics of the ideal community and their use in administration.

### • **POLS 585 - Seminar: Regulation, the Environment and California Public Policy**

---

(4)

Prerequisites: POLS 460 and 462. The interrelationships among regulatory policies, environmental problems and public policy in California.

### • **POLS 587 - Seminar: Aging Policy, Politics, and Administration**

---

(4)

Older Americans in the political system. Political and policy analysis of retirement, Social Security, Medicare, Medicaid, disability programs. Discussion of administration and policy alternatives, including privatization.

### • **POLS 590 - Seminar: Philosophy of Public Service**

---

(4)

Prerequisites: POLS 561, instructor consent. Past and present philosophies of public service; bureaucracy in modern society; social-psychological and ethical aspects of public service; case studies of decision making.

### • **POLS 591 - Seminar: Administrative Theory and Behavior**

---

(4)

Prerequisite: POLS 472. Analysis of administrative theory and utilization of advances in behavioral research as they apply to studies of administrative process and organization.

- **POLS 592 - Political Science Practicum**

---

(5)

Prerequisite: Advisor approval. Independent supervised field experience in a political or non-profit organization, or public agency. Major report or paper required.

- **POLS 594 - Applied Research in Public and Nonprofit Administration**

---

(4)

Prerequisites: POLS 578, 579, 580. Implementation and completion of applied research in public or nonprofit administration. Follows individual research design developed in POLS 578.

- **POLS 595 - Selected Issues in Public Administration**

---

(4)

Prerequisite: Twelve units in public administration, including one seminar. Presentation and discussion of selected issues and trends in administrative processes at all levels of government. Topics change. May be repeated to maximum of 8 units with adviser approval.

- **POLS 596 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **POLS 597 - Graduate Research**

---

(5)

Prerequisites: Consent of faculty sponsor and graduate adviser; proposed study must be approved prior to registration. Directed research on a problem in Political Science from conception through design, data gathering, analysis and final written report.

- **POLS 598 - Graduate Directed Study**

---

(4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 8 units.

- **POLS 599 - Thesis**

---

(1–5)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. Graded CR/NC.

### **Political Science (Undergraduate)**

*POLS 150 is prerequisite to all upper division POLS courses except 310, 322, 330, 342, 351, 358, 360 and 426.*

*The department recommends completion of the 300 level required courses before enrolling in 400 level courses.*

- **POLS 150 - Government and American Society**

---

(4)

American political system with emphasis on role and function of government in social context of a democratic political system. Satisfies U.S. Constitution and California state and local government requirements. Not open to students who have completed an introductory college course in U.S. government.

**GE AM**

- **POLS 155 - Critical Analysis of Political Communication**

---

(4)

Critical analysis of ideological messages, political biases, and manipulative devices in all forms of communication, from newspaper reporting to scholarly texts, from films to television news.

**GE A3**

- **POLS 200 - California State and Local Government**

---

(2)

Functions and structure of California state and local government units, current aspects of governmental process and problems in state. Satisfies California state and local government requirement.

**GE AM**

- **POLS 250 - World Politics**

---

(4)

Major issues and problems among nations; international organization and conflict resolution.

**GE D**

- **POLS 254 - Special Topics in Political Science**

---

(1–4)

Current topics of special interest in political science and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 8 units.

- **POLS 281 - Quantitative Methods in Political Science**

---

(5)

Prerequisite: POLS 150; MATH 091 or satisfactory performance on mathematics placement examination given during registration. Descriptive and inferential statistics; emphasis on practical applications in political science. Distributions on a single variable, associations between two variables, tests of hypotheses; bivariate computer analysis, including individual projects. Lecture 4 hours, laboratory 2 hours.

- **POLS 310 - Gender, Politics, and Government**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. The influence of gender and sexual orientation on political behavior, on elective and appointive government institutions, and on public policies; historical reasons for gender-related differences, political movements to overcome discrimination, and analysis of emerging trends.

**GE Theme C ; Approved diversity course**

- **POLS 330 - Politics of Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Effects of older Americans on the political system. Political and policy analysis of retirement, Social Security, Medicaid, disability programs. Problems of intergenerational equity.

**GE Theme F**

- **POLS 342 - Rights and Justice in Communication and Politics**  
(also listed as COMM 342)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Freedom of communication, political rights, diversity, and justice: the evolution of these rights in the United States; analysis of contemporary problems, global implications, and potential solutions in our multicultural world. Some sections of this course will be offered online.

GE Theme H ; Approved diversity course

• **POLS 348 - Issues in Ancient and Modern Political Thought**

---

(4)

Prerequisite: Completion of Basic Subjects (Block A) and at least one course from Block D. This course will compare important ancient and modern authors, both eastern and western, on issues including, race, gender, justice, human nature versus culture, civil disobedience, freedom, colonialism and slavery.

GE Theme I ; Approved diversity course

• **POLS 351 - Beyond Conflict, Violence, and War**  
(also listed as HIST 351)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Nature, functions, and interrelationship of conflict, violence, and war: strategies of conflict resolution and peace examined in a global setting through theory and case studies.

GE Theme B

• **POLS 360 - Dynamics of Change in the Developing World**  
(also listed as LAS 360 and PAS 360)

---

(4)

Prerequisites: Completion of G. E. Basic Subjects (Block A) and one course from Block D. How the Third World developed and how it is changing in relation to the rest of the world.

GE Theme A ; Approved diversity course

• **POLS 371 - Foundations of American Politics**

---

(4)

Prerequisite: POLS 150. Recommended prerequisite: POLS 205. Upper division core requirement. Analysis of the structure, functions and relationships among American national institutions, including executive, legislative and judicial branches, media, political parties, citizens and groups.

• **POLS 372 - Foundations of Political Theory**

---

(4)

Prerequisite: POLS 150. Recommended prerequisite: POLS 205. Upper division core requirement. From an institutional perspective, this course examines: Who should rule? What are the limits of political obligation? What is social justice? What is human nature?

• **POLS 373 - Foundations of Comparative Politics**

---

(4)

Prerequisite: POLS 150. Recommended prerequisite: POLS 205. Upper division core requirement. Study of the comparative method and of major research traditions and topics in comparative politics.

• **POLS 374 - Foundations of Global Politics**

---

(4)

Prerequisite: POLS 150. Recommended prerequisite: POLS 205. Upper division core requirement. Global politics examines the far-reaching political implications of globalization on nation-states, international regimes and organizations, global security, and non-state actors.

• **POLS 395 - Community Service in Political Science**

---

(1-4)

Prerequisites: prior approval of Political Science adviser in consultation with EPIC director, acceptance by community agency. Participation in

work of community agency or activity utilizing professional or vocational skills in service to community. Credit not applicable toward political science major. May be repeated to maximum of 9 units. Graded CR/NC.

- **POLS 400 - Power and Policy in Washington: Congress and the President**

---

(4)

Structure, functioning, and interaction between Congress and the presidency.

- **POLS 403 - State and Local Government**

---

(4)

Nature of state politics, analysis of legislative, judicial, and administrative organization and process; local government in metropolitan areas; all with reference to California.

- **POLS 404 - Urban Government and Politics**

---

(4)

Problems of political influence, public policy, intergovernmental relations, and formal structure in American urban areas.

- **POLS 406 - Los Angeles City Politics**

---

(4)

Los Angeles within federal system; structures and functions; charter examination; policy issues; dominant individuals; social classes; minority influence; political coalitions; public vs. private sector relations and conflict.

- **POLS 408 - Political Socialization and Public Opinion**

---

(4)

The study of how individuals acquire their political beliefs and ways in which these opinions are communicated to others in society. Emphasis on subcultural and gender differences.

- **POLS 409 - Minority Politics in the U.S.**

---

(4)

Overview of ethnic politics in U.S. from both historical and contemporary perspectives; American Indian, Asian, black, and Hispanic political movements in U.S.

- **POLS 414 - Politics and the Media**

---

(4)

Relationships between government and the media; newsgathering techniques, journalist/government relations, role of media in presidential campaign politics.

- **POLS 418 - U.S. Political Parties, Campaigns, and Elections**

---

(4)

Role of political parties in campaigns and elections; role of the media, consultants, pollsters, and parties in recruiting, nominating, and electing candidates.

- **POLS 420A - Model United Nations**

---

(4)

Co-requisite: POLS 420B. This course is intended to prepare students for their role as delegates at the National Model UN conference. May be repeated to maximum of 8 units as country selection varies.

## • **POLS 420B - Model United Nations**




---

(4)

Co-requisite: POLS 420A. This course is intended to examine the political, social and economic background of the assigned country for the national MUN conference. May be repeated to maximum of 8 units as country selected varies.

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## Course Descriptions

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### Political Science (Undergraduate)

*POLS 150 is prerequisite to all upper division POLS courses except 310, 322, 330, 342, 351, 358, 360 and 426.*

*The department recommends completion of the 300 level required courses before enrolling in 400 level courses.*

- **POLS 425 - U.S. Foreign Policy in a Changing World**

---

(4)

Theory and practice of contemporary American foreign policy.

- **POLS 426 - International Political Economy**  
(also listed as ECON 426)

---

(4)

Prerequisites: Four units each in POLS and ECON. Interaction of politics and economics in the international arena.

- **POLS 427 - International Relations**

---

(4)

Theories and practice of international politics.

- **POLS 429 - U.S. National Security Policy**

---

(4)

The nexus between politics and military force in coercive diplomacy and limited war; nuclear weapons, arms control, and proliferation; the budgetary and operational consequences of defense organization.

- **POLS 431 - Classical Political Theory**

---

(4)

Exposition and critical analysis of ideas of major political thinkers from Plato to 17th century.

- **POLS 433 - Modern Political Theory**

---

(4)

Studies in character of contemporary normative political theory; systematic political theories of Liberalism, Conservatism, Nationalism, Marxism, Communism, Fascism, Socialism, Democracy, and Irrationalism.

- **POLS 435 - American Political Thought**

---

(4)

American political ideas from Puritan period to present.



- **POLS 437 - Twentieth Century Continental Political Thought**

---

(4)

Prerequisites: POLS 150 and 372. The course will examine answers to important questions of political theory from the perspective of several important European traditions of thought that developed in the twentieth century.

- **POLS 440 - Judicial Process**

---

(4)

Judicial process as function of American government; survey of schools of legal thought, role of legal theory in functioning of courts.

- **POLS 441 - American Constitutional Law: Federalism**

---

(4)

Recommended prerequisites for POLS majors in Prelaw option: POLS 440, HIST 479. Role of Supreme Court in American government; judicial review; relationship between national and state governments, especially in areas of commerce and taxation; relationship between executive, legislative, and judicial branches of government.

- **POLS 442 - American Constitutional Law: Civil Rights**

---

(4)

Recommended prerequisite for POLS majors in prelaw option: POLS 440. The constitutional rights of persons arising from the First and Fourteenth Amendments to the constitution with particular emphasis on equal protection of the laws and discrimination, and the right to privacy.

- **POLS 443 - American Constitutional Law: Civil Liberties**

---

(4)

Recommended prerequisite: POLS 440. The constitutional liberties of persons arising from the First and Fourteenth Amendments to the constitution with particular emphasis on freedom of speech, press, religion, assembly, and petition.

- **POLS 444 - Mock Trial**

---

(4)

Prerequisite: POLS 440 or instructor consent. Provides an introduction to the theory and practice of conducting a trial including civil and criminal procedure, the rules and presentation of evidence, ethics, and trial technique.

- **POLS 445 - Judicial Behavior**

---

(4)

Recommended prerequisite for POLS majors in prelaw option: POLS 440. Contemporary approaches to study of judicial behavior, including judicial role, decision making, small group analysis, socialization, and analysis of judicial voting behavior.

- **POLS 446 - Comparative Legal Systems**

---

(4)

Recommended prerequisite for POLS majors in prelaw option: POLS 440. Survey and systematic analysis of selected legal systems and functional relationships with social systems; emphasis on social context of legal systems and comparative approach to their study.

- **POLS 447 - Legal Research and Writing**

---

(4)

Prerequisite: Satisfactory completion of the WPE. Recommended prerequisite: Completion of POLS 441, 442 and/or POLS 443. Individual and

group research and writing projects in public law.

- **POLS 448 - International Law (4)**

---

(4)

Recommended Prerequisites: POLS 150 and POLS 440. Examines the basic structure of the international legal system including theoretical debates and issues surrounding the use of international law and policy to address contemporary world problems.

- **POLS 450 - European Politics**

---

(4)

Course content varies, focusing on contemporary politics in selected European countries. May be repeated to maximum of 8 units as topic varies.

- **POLS 451 - Latin American Politics**

---

(4)

Course content varies, focusing on contemporary politics of selected Latin American countries. May be repeated to maximum of 8 units as topic varies.

- **POLS 452 - Government and Politics of China**

---

(4)

Analysis of the government and politics of China. Review of recent development in China's modernization and its international impact.

- **POLS 453 - Politics of Africa and the Mid-East**

---

(4)

Course content varies, focusing on contemporary politics of selected African and Middle Eastern nations. May be repeated to maximum of 8 units as topic varies.

- **POLS 454 - Selected Topics in Comparative Politics**

---

(1–4)

Selected topics in comparative government as announced in the schedule of classes. May be repeated to a maximum of 8 units as topic varies.

- **POLS 455 - Canadian Politics: A Comparative Perspective**

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(4)

Examining and evaluating government and politics in Canada and reviewing recent development in the relationship between Canada and the United States. Course includes research and writing projects in comparative politics.

- **POLS 456 - Politics of the Caribbean and Central America  
(also listed as PAS 456)**

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(4)

Political development and dependency in the Caribbean and Central America.

- **POLS 458 - Politics in Asian-American Immigration**

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(4)

Examining and evaluating the politics of Asian-American immigration in the United States, and reviewing the impact of Asian Americans on political development at home and abroad. Course includes research and writing projects in comparative politics.

- **POLS 459 - Politics of East Asia**

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(4)

Course content varies. Political and economic processes of development in East Asia. The region's impact on the world.

- **POLS 460 - Foundations of Public Administration**

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(4)

Politics of administrative power; methods of controlling bureaucracy; changing agency environments; dynamics and processes of public management; government as a career.

- **POLS 461 - Dynamics of Urban Administration**

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(4)

Politics of governing urban U.S.; problems caused by multiple governmental and administrative bodies, overlapping jurisdictions, tax revolts; existing system's capabilities to respond to those problems.

- **POLS 462 - Public Policy**

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(4)

Introduction to public policy making and implementation, stressing the politics of the policy making process.

- **POLS 463 - Public Sector Human Resource Management**

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(4)

Recommended prerequisite: POLS 460. Best practices and theories of human resource management in government; merit systems versus at-will employment; compensation policies; recruitment; performance management; grievance and disciplinary procedures; labor-management relations.

- **POLS 464 - Geographic Information Systems (GIS) Applications in Political Science  
(also listed as GEOG 464)**

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(4)

Prerequisites: GEOG 282, POLS 281, or consent of instructor. Focuses on the application of Geographic Information Systems in politics and policy to see the effects of public decisions in areas such as political behavior, redistricting, and service delivery.

- **POLS 466 - Public Financial Administration**

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(4)

Recommended prerequisites: courses in accounting and statistics. Role of financial administration and budgeting in determination of governmental policy, administrative planning and management, control of government operations, intergovernmental relations, and relation to private economy.

- **POLS 467 - The Third Sector and Nonprofit Organizations  
(also listed as YAA 467)**

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(4)

Starting and managing nonprofit enterprises; differences between public, nonprofit, and for-profit organizations; nature and scope of the third sector; grant writing project.

- **POLS 469 - Administration of Human Service Programs**

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(4)

Recommended prerequisite: POLS 460. The course examines the changing roles and patterns of funding, organization, and providing community services by public agencies and not-for-profit organizations.

- **POLS 472 - Organization and Management**

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(4)

Recommended prerequisite: POLS 460. Organization structure, human factors in organization, dynamics of organizational change, internal adaptability to external environment; problems, limitations, and trends in governmental organization and management.

- **POLS 476 - Administrative Law**

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(4)

Recommended prerequisites: POLS 440, 460. Process in administrative adjudication, regulation, and rule making; duties and liabilities of public officers, appeal procedures, trends in regulation.

- **POLS 490 - Special Studies in Political Science**

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(4)

Intensive study of selected areas and special problems in political science. May be repeated as subject matter changes.

- **POLS 498 - Senior Capstone Seminar**

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(4)

Prerequisites: Lower and Upper Division Required Core Courses, Senior Standing, and satisfactory completion of the WPE. Students will select a major research paper topic and further develop discipline based research, writing and oral communication skills. Examination of career paths and development of post graduation plan. Must pass with a grade of C or better.

- **POLS 499 - Undergraduate Directed Study**

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(1-4)

Prerequisite: Department approval. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 8 units.

### Portuguese (Undergraduate)

- **PORT 100A - Elementary Portuguese**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Portuguese. Introduction to the customs, culture, and institutions of the lusophone people.

**GE C4**

- **PORT 100B - Elementary Portuguese**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Portuguese. Introduction to the customs, culture, and institutions of the lusophone people.

**GE C4**

- **PORT 100C - Elementary Portuguese**

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(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Portuguese. Introduction to the customs, culture, and institutions of the lusophone people.

**GE C4**

**Power, Energy and Transportation (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 100 - Introduction to Automotive Mechanisms**

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(3)

Designed to meet general industrial education needs of Industrial Arts majors. Emphasis on general mechanical concepts and related physical principles, maintenance procedures, and consumer data. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 370 - Power, Energy and Transportation**

---

(3)

Power energy and transportation concepts: available energy sources, power conversion process, power transmission methods and land, sea, air, and space transportation systems. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 405 - Engine Design and Performance**

---

(3)

Theory of engine design and operation; requirements of modern gasoline power plants studied and performance factors analyzed under varying operating conditions; emphasis on dynamometer testing, engine disassembly, and assembly. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 470 - Electric, Hybrid and Alternative Fueled Vehicles**

---

(3)

Prerequisites: TECH 370 or with consent of instructor. Technology and application of electric, hybrid, and alternative Fueled vehicles: power plant design, electric motor and heat engine characteristics, energy storage, system controls, fuel cells and solar powered vehicles. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 474 - Power Generation, Distribution and Utilization**

---

3

Prerequisite: TECH 370 or with consent of instructor. Detailed aspects of power conversion and distribution systems: Large and small-scale electric power system, fossil fuels, wind, solar, nuclear, geothermal, biomass, hydrogen as an energy carrier with social and environmental impacts. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 476 - Electronic and Computer Control Systems for Power, Energy and Transportation**

---

(3)

Prerequisite: TECH 370 or with consent of instructor. Theory and application of electronic and computer controls for power, energy and transportation systems. Includes circuits, sensors, signal conditioning, microprocessors, logic, programming, data acquisition and system development. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 478 - Emerging Technologies in Power, Energy, and Transportation**

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(3)

Prerequisite; TECH 370 or with consent of instructor. Varying content and topics relating to emerging power, energy, and transportation technologies. Includes research methodologies, proposal preparation, and investigation in individual, team, and class explorations. May be repeated up to 6 units. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

### **Professional and Elective (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

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- **TECH 101 - Industrial Safety for Industrial Education**

(3)

Industrial safety related to industry and school shops; history, accident facts, liability, psychology, worker performance, sources of information, and industrial methods of operation.

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- **TECH 200 - History of Technology**

(3)

Human accomplishment in areas of discovery, invention, and industry from prehistoric times to present.

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- **TECH 250 - Impact of Technology on the Individual and Society**

(4)

An exploration of the ways technology impacts individual human development within global social systems. Including an emphasis on lifelong acquisition of technology skills with an optional service-learning component.

**GE E**

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- **TECH 291 - Computers in Technology**

(3)

Introduction to computers with applications for the technologist. Designed to assist students in becoming literate in topics applicable to technological areas such as production manufacturing, and CAD/CAM. Service learning required. Lecture 1 1/2 hours, laboratory, 4 1/2 hours.

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- **TECH 305 - Information Literacy for Technologists**

(2)

The process of finding, organizing, and using information in print, electronic and other formats for technologists.

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- **TECH 383 - Ancient and Modern Technology**  
(also listed as ENGR 383)

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Systematic analysis of ancient technology and technological thought and its relationship to modern science and technological thought.

---

- **TECH 395 - Community Service in Technology**

(1–4)

Prerequisites: Eight units of upper division TECH courses, approval by faculty sponsor in consultation with EPIC Director; acceptance by a community agency. Participation in work of community agency or activity utilizing professional skills in community service. Graded CR/NC. May be repeated to maximum of 8 units.

- **TECH 398 - Cooperative Education**  
(see UNIV 398)

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(1-4)  
Cooperative Education

- **TECH 400 - Written Communication Skills for Industrial Technology**

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(4)  
Prerequisites: ENGL 102 and UNIV 400. Written communication skills for the professional needs of Industrial Technology students with emphasis on education, public, industrial, business education and public sector requirements.

- **TECH 414 - Robotics in Industry**

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(2)  
Prerequisite: Upper division or graduate standing. History, terminology, economics, applications, and implications of industrial robots in the work place.

- **TECH 454L - Special Topics in Industrial Studies**

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(1-4)  
Prerequisites: Upper division standing; others as needed for specific topic. Current issues, problems, and interests in technology. May be repeated to maximum of 9 units as subject matter changes.

- **TECH 454P - Special Topics in Industrial Studies**

---

(1-4)  
Prerequisites: Upper division standing; others as needed for specific topic. Current issues, problems, and interests in technology. May be repeated to maximum of 9 units as subject matter changes.

- **TECH 482 - Metrics for Industry**

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(3)  
Adapting industrial operations to metric system; standards and application; development of instructional materials; special problems for industrial educators.

- **TECH 484 - Automated Manufacturing Systems**

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(4)  
Applications and theories of advanced production systems in automated manufacturing environments; emphases include direct and computer numerical control, computer integrated manufacturing CAD/CAM; flexible manufacturing; group technology. Lecture 2 1/2 hours, laboratory 4 1/2 hours.

- **TECH 485 - History, Philosophy, and Organization of Industrial Education**

---

(3)  
Prerequisites: TECH 300AB, upper division standing, Industrial Arts major or minor. History and philosophy of industrial education in Western civilization; comparative study of development and organization of industrial education in the U.S.

- **TECH 486 - Seminar: Vocational Education**

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(1-4)  
Prerequisite: Upper division standing. Problems in maintaining and modifying vocational education programs. Emphasis on changing philosophies, concepts, practices, legislation, technical content, instruction, organization, and management. May be repeated with instructor

consent.

- **TECH 487 - Seminar: Comprehensive Career Education for Industrial Studies and Vocational Education**

---

(3)

Prerequisite: Upper division standing in the Department of Technology. Development, organization, and implementation of comprehensive career education for industrial arts and vocational education; emphasis on concepts, techniques, strategies, implementation, levels of instruction, leadership, administration, and organization. May be repeated to maximum of 9 units as subject matter changes.

- **TECH 488 - Fluid Power**

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(3)

Prerequisite: PHYS 150. Application of principles of industrial hydraulic and pneumatic circuits; emphases on basic laws and operation of pressure, directional control valves, and actuators as they apply to manual and automated circuits. Lecture 1 ½ hours, laboratory 4 1/2 hours.

- **TECH 489 - Industrial Training Methods**

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(4)

Training approaches for industrial/technical management personnel; overview of design and management of the training function in the modern work world, instructional design, and delivery systems.

- **TECH 490 - Advanced Problems in Industrial Studies**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490A - Automotive**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490D - Drafting**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490E - Electronics**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490G - Graphic Communication**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of



concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490M - Metal Technology**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 490W - Wood Technology**

---

(1–9)

Prerequisites: Completion of an area of concentration and instructor consent. Advanced problems in a specific industrial arts area of concentration. Lecture 1 1/2 hours, laboratory 4 1/2 hours for 3 units; other unit values use same ratio. Each industrial arts area of concentration may be repeated for 9 units

- **TECH 495 - Practicum in Industrial Technology**

---

(4)

Prerequisites: Senior standing and/or instructor consent. Capstone experience to demonstrate competencies already learned. Application of knowledge, skills and attitudes related to the design, production, and servicing of commercial and industrial products and devices. Lecture 2 1/2 hours, laboratory 4 1/2 hours.

- **TECH 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated for 8 units of credit.

### **Psychology (Undergraduate)**

*PSY 150 and GE blocks A and B are prerequisite to all upper division psychology courses.*

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **PSY 150 - Introductory Psychology**

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(4)

Psychological perspectives on human behavior; principles and methods of psychology as a science; introduction to major topic areas of psychology. Relationship of psychological principles to sociocultural experiences.

\*C-ID PSY 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **PSY 160 - Psychology of the Developing Person**

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(4)

Principles of life-span development from birth to death, from a psychological perspective. Salient physiological, social, and psychological factors relevant to understanding development of the integrated person.

\*C-ID PSY 180

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

GE E

## • **PSY 170 - Introductory Behavioral Neuroscience**

---

(4)

Relationship between brain and behavior; includes biological determinants of the following: Sensation, perception, learning, memory, emotion, and cognition.

\*C-ID PSY 150

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **PSY 200 - Introduction to Psychological Science**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and PSY 150. Introduction to psychology as a scientific discipline, including basic research concepts, research findings in various areas of psychology, training for undergraduate and graduate degrees, and fields of study/practice in psychology.

## • **PSY 202 - Descriptive Statistics in Psychology**

---

(5)

Prerequisites: PSY 150, GE critical thinking and Math102. Basic numerical and graphical methods in psychology; statistical notation, data presentation, measures of central tendency, dispersion and covariation, probability; utilization of personal computers in statistics. Lecture 4 hours, laboratory 3 hours.

## • **PSY 302 - Inferential Statistics in Psychology**

---

(5)

Prerequisite: MATH 102 and PSY 202. Provides an introduction to inferential statistics. Topics include hypothesis testing, probability, parametric (z, t, and F tests, correlation/regression) and nonparametric (Chi-square) procedures, the written presentation of statistical results, and the use of statistical software packages. Lecture 4 hours, laboratory 3 hours.

## • **PSY 304 - Research Methods in Psychology**

---

(6)

Prerequisites: ENGL 102\*, PSY 302. \*\*WPE. Introduces experimental and non-experimental research design and methods. Topics include the scientific method, measurement and survey design, reliability and validity, and sampling. Students develop research projects and prepare APA – style scientific manuscripts. Use of statistical analysis software. Lecture 4 hours, recitation 1 hour, laboratory 3 hours. \*Students subject to earlier catalogs must satisfy this prerequisite with ENGL 101 or 190. \*\* Must have passed the WPE.

## • **PSY 307 - Physiology and Psychology of Violence and Aggression** (also listed as NURS 307)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Biological and psychobehavioral approaches to violent individuals; analysis of and research support for understanding the role diversity plays in intercultural and intergroup violence drawn from natural, medical, and behavioral sciences.

**GE Theme B**

• **PSY 308 - History and Systems of Psychology**

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(4)

Critical survey of the principal historical developments in psychology, including significant philosophical and scientific influences, with an emphasis on pioneering individuals and major systems and their relevance to contemporary psychology.

• **PSY 309 - Human Violence and Individual Change**  
(also listed as COMD 309)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of theories, research and practices for accomplishing individual change; application of models of change to alter violent or counterproductive behaviors and attitudes; improving human interaction, and reducing violence/abuse. Some sections of this class may include a service learning component where students volunteer in a community program addressing violence for 2 hours per week.

**GE Theme B**

• **PSY 310 - Abnormal Psychology I**

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(4)

Prerequisite: PSY 150. A basic survey of psychological disorders focusing on the context of how gender, race and culture impact our understanding of pathology and abnormality.

• **PSY 318 - Psychology of Personality**

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(4)

Prerequisite: PSY 150. Description and evolution of major theories of personality, and critical evaluation of research findings in personality psychology.

• **PSY 322 - Social Psychology**

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(4)

Prerequisite: PSY 150. Introduction to major theories of social psychology with special emphasis on such topics as aggression, liking and loving, altruism, prejudice, and attitude theory and measurement.

• **PSY 323 - Psychology of Emotion and Motivation**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. The influence of learning, cognition, evolution, pharmacology and physiology on emotion and motivation.

**GE Theme E**

• **PSY 330 - Psychology of Prejudice and Discrimination**

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(4)

Theories and research on causes and effects of prejudice and discrimination, focusing on racism, classism, sexism, and heterosexism. Examination of personal experiences and attitudes. Approaches to promoting tolerance and equality.

• **PSY 343 - Child and Adolescent Cognition**  
(also listed at CHDV 343)

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(4)

Prerequisite: PSY 160 or CHDV 140 with a grade of C or better. Cognitive changes from birth to adolescence. Analysis of major theories of

cognitive development. Cognitive processes examined include memory, language, problem solving, social cognition, intelligence, symbolic thinking, reading, writing, math, and technology.

- **PSY 354 - Selected Topics in Psychology**

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(4)

Prerequisites: As needed for specific topic. Current topics of special interest to students in psychology, as announced in Schedule of Classes. May be repeated for credit.

- **PSY 362 - Psychological and Psychosocial Developmental Stages in Maturity and Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Critical evaluation of psychological and psychosocial issues related to adulthood and aging, with consideration of developmental theory and diversity issues.

**GE Theme F**

- **PSY 388 - Sex and Gender**  
(also listed as BIOL 388N)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Biological and psychological differences between the sexes; topics include genetics of sexual determination, sexual development and anomalies, hormones in physiology and behavior, psychological differences in behavior. No credit toward Biology major or minor.

**GE Theme C**

- **PSY 395 - Field Experience in Psychology**

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(1–4)

Prerequisite: Department approval. Opportunity to study psychological principles of behavior in nonlaboratory settings. May involve observation and participation in community, clinical, educational, business or other organizational settings. May be repeated to a maximum of 8 units. Graded CR/NC.

- **PSY 401 - Physiological Psychology**

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(4)

Prerequisite: PSY 170. Relationship between integrated behavior and physiological processes; theories that relate psychology and physiology.

- **PSY 402 - Media Psychology**

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(4)

Review of theoretical and research literature to determine mass communication impact (e.g., film, television, print) on social and psychological functioning of individuals and societies.




- **PSY 403 - The Psychosocial Dynamics of Child Maltreatment and Family Violence**  
(also listed as COUN 403)

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(4)

Psychosocial factors in child maltreatment and family violence: developmental considerations, assessment, interventions, legal and ethical issues, research findings, and community resources.

## Course Descriptions

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### Psychology (Undergraduate)

*PSY 150 and GE blocks A and B are prerequisite to all upper division psychology courses.*

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

#### • **PSY 410 - Abnormal Psychology II**

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(4)

Prerequisites: PSY 310. An in-depth examination of psychological disorders with a focus on standardized diagnosis and treatment, exposure to readings and research examining current theory and practice in psychopathology.

#### • **PSY 411 - Advanced Research Methods in Psychology**

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(4)

Prerequisite: PSY 302 and PSY 304. Logic of research methodology and statistical analysis; evaluation of adequacy of research strategies; interpretation of results.

#### • **PSY 412A - Psychology of Human Development: Infancy and Childhood**

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(4)

Theory and empirical literature pertaining to infancy and childhood.

#### • **PSY 412B - Psychology of Human Development: Adolescence and Young Adulthood**

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(4)

Theory and empirical literature pertaining to adolescence and young adulthood.

#### • **PSY 414 - Analysis of Variance**

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(4)

Prerequisite: PSY 302. Various analysis-of-variance models in analysis and interpretation of psychological data.

#### • **PSY 415 - Interpersonal Relationships**

---

(4)

Prerequisites: PSY 150. The psychology of interpersonal relationships. Conceptual, methodological, and statistical issues in relationships research. Attraction and mate selection; relationship cognition; relationship development, conflict, dissolution, affiliation, loneliness, social support. Writing project.

#### • **PSY 417 - Single Case Research Design**

---

(4)

Prerequisites: PSY 304 and PSY 428. Basic types of single case experimental designs including withdrawal, reversal, multiple baseline, and multi element designs; methods of observation, measurement, recording behavior; assessing reliability of observations.

### • **PSY 419 - Psychology of Gender**

---

(4)

Prerequisites: GE critical thinking requirement, introductory social science course, research methods course. Psychological research and theory about gender, emphasis on socialization, stereotyping, expectations and effects on individuals; differences and similarities between women and men; intersections of gender, race, socioeconomic status, and sexuality.

### • **PSY 421 - Psychology of Learning and Behavior**

---

(4)

Prerequisites: PSY 304. Principles of classical and operant conditioning. Emphasis on experimental findings, mostly with nonhuman subjects, and their application to human behavior, with consideration of both current and historically relevant theories.

### • **PSY 424 - Cognitive Psychology**

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(4)

Prerequisite: PSY 304. Theories and experimental literature with respect to the nature of memory and cognition.

### • **PSY 425 - Sensation and Perception**

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(4)

Prerequisites: PSY 170, 304. Examination of theories and experimental literature with respect to variables that determine the organism's ability to respond differentially to sense data.

### • **PSY 426 - Family Therapy Dynamics and Perspectives**

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(4)

Prerequisite: PSY 310 or 318. Theoretical perspectives in family processes; treatment approaches; significant issues in family life.

### • **PSY 427 - Family Therapy Techniques: Strategies for Change**

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(4)

Prerequisites: PSY 426, instructor consent. General systems theory and analyses applied to marital and family problem solving.

### • **PSY 428 - Introduction to Analysis of Behavior**

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(4)

Basic principles and procedures of behavior analysis and their application to understanding verbal, social, and abnormal behavior, and therapy as well as consideration of the ethics of applied behavior analysis.

### • **PSY 431 - Statistical Methods in Psychological Assessment**

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(5)

Prerequisite: PSY 202. Theoretical issues in individual differences; introduction to a variety of group and individual psychological tests and assessment techniques; role of tests in clinical evaluation; problems of reliability, validity, and interpretation. Lecture 3 hours, laboratory 3 hours.

### • **PSY 433 - Psychology of Cognitive Development**

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(4)

Prerequisite: Completion of PSY 412A. Evolution of cognitive processes from simple organisms to adult human beings. Piaget's theory; development of dialectic operations; perceptual and language development and apprehension of reality; relationship of social development to cognitive development.

### • **PSY 435 - Behavior Analysis & Treatment of Developmental Disabilities**

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(4)

Prerequisites: PSY 417 or 428. Contemporary behavior-analytic research on assessment and treatment of individuals with developmental disabilities.

### • **PSY 436A - Counseling and Psychotherapy: Theories, Methods, and Issues**

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(4)

Prerequisites: Senior or graduate standing and PSY 310 or 318. Theories of counseling and psychotherapy; introduction to clinical interviewing techniques.

### • **PSY 436B - Counseling and Psychotherapy: Theories, Methods, and Issues**

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(4)

Prerequisite: PSY 436A. Current issues in counseling and psychotherapy; practical application of current psychotherapy models to individual, marital, and family therapy; student participation in intensive evaluation of therapeutic techniques.

### • **PSY 438 - Introduction to Clinical and Counseling Psychology**

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(4)

Prerequisite: PSY 310. Issues in education, training, professional activities and employment opportunities in clinical and counseling psychology; designed primarily for students considering careers in these fields. Emphasis on counseling theories, cross-cultural counseling issues/research and assessment.

### • **PSY 439 - Racial/Ethnic Minority Mental Health**

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(4)

Prerequisite: PSY 150. A critical evaluation of the research and clinical applications of cross-cultural psychology on mental health issues, including racism, relevant to Asian Americans, African Americans, and Latinos.

### • **PSY 440 - Behavior Analysis and Autism**

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(4)

Prerequisites: PSY 417 or 428. Provide basic information regarding Autism by reviewing current research, etiology, and characteristics of individuals diagnosed with autism. The primary focus of the class will be on empirically validated, applied behavior-analytic approaches to treatment. Students complete group projects designed to practice common therapy skills.

### • **PSY 445 - Community Psychology – Service Learning**

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(4)

Applies principles of social and clinical psychology to community problems and well-being; analysis of social systems; introduction to community mental health and community change. Includes service learning option: students volunteer in community agency.

### • **PSY 450 - Principles of Health Psychology**

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(4)

Prerequisite: PSY 150. The effects of health upon behavior and of behavior upon health. Psychological consideration in health care.

### • **PSY 454 - Special Topics in Psychology**

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(1–6)

Prerequisites: As needed for specific topic. Current topics of special interest to students in psychology, as announced in Schedule of Classes. May be repeated as subject matter changes.

### • **PSY 462 - Psychology of Human Development: Maturity and Aging**

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(4)

Prerequisite: PSY 150. Psychological factors in aging, including: developmental research methods, demographic trends, stereotypes of aging and ageism, cognition and memory, intelligence, creativity, wisdom, mental health, dementias, and death and dying.

### • **PSY 464 - Psychology and the Law**

---

(4)

Intersection of psychology and the legal system including child abuse, eyewitness memory, juror decision-making, child custody, pleas and sentencing. Rights and responsibilities of mental health providers; legal versus ethical practice.

### • **PSY 465 - Multicultural Psychology: Current Issues and Research**

---

(4)

Prerequisite: PSY 304 or equivalent. Theoretical and empirical approaches to the psychological understanding of diverse cultural groups. Conceptualizations of similarity and difference. Current findings and methodological issues in multicultural research.

### • **PSY 485 - Directed Field Experience in Community Clinical Psychology**

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(4)

Prerequisites: PSY 310 or 410; 412A or 412B; 322 or 462; agency acceptance. Application of psychological principles (interviewing, counseling) in supervised settings: service agencies, mental health centers, halfway houses, etc. Lecture, problem solving meetings, self and agency evaluation reports. May be repeated to maximum of 8 units. Graded CR/NC.

### • **PSY 490 - Human Memory**

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(4)

Prerequisites: PSY 304, Upper division standing. Principles of human memory. Emphasis on basic and applied experimental findings with a focus on individual differences and situational factors related to eyewitness memory and suggestibility in adults and children.

### • **PSY 491 - Multivariate Statistics**

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(5)

Prerequisite: PSY 302. The use and interpretation of multivariate data analysis techniques for qualitative and quantitative information and the implementation of these techniques using standard computer packages.

### • **PSY 495 - Introduction to Graduate Study in Psychology**

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(4)

Prerequisite: Open only to students enrolled in the MA program in Psychology. Provides an overview of the graduate program and the critical analysis of research. Analytical application of research design; program requirements, thesis preparation, and career planning are reviewed. Graded CR/NC.



## **PSY 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Empirical or library research investigation supervised by faculty. Project selected in conference with sponsor before registration; regular progress meetings final report submitted. May be repeated for credit (8 units total).

### **Psychology (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 500-level courses.*

#### **• PSY 500 - Seminar: Learning and Behavior**

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(4)

Prerequisite: PSY 421. Examination of critical areas of the experimental literature in learning and behavior with a stress on issues related to the experimental analysis of behavior.

#### **• PSY 501 - Seminar: Sensation and Perception**

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(4)

Prerequisite: PSY 425. Critical review of current literature; theories, methods, and problems concerning sensation and perception.

#### **• PSY 504 - Advanced Experimental Methods**

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(4)

Prerequisite: Instructor consent. Nonstatistical issues in design of experimental psychological research. Topics include design logic, literature sources, apparatus, subjects. Emphasis on preparation of an experimental design in an area of student's interest.

#### **• PSY 506 - Seminar: Physiological Psychology**

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(4)

Prerequisite: PSY 401. Critical discussions, including physiological correlates and mechanisms of motivation and emotion, learning and memory, human psychopathology.

#### **• PSY 510 - Seminar: Abnormal Psychology**

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(4)

Prerequisite: PSY 410. Intensive analysis of major types of abnormal behavior, their development and prevention. Emphasis on relationship of abnormal behavior to theories of personality and research findings.

#### **• PSY 511 - Seminar: Developmental Psychology**

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(4)

Prerequisites: PSY 304, 412AB or comparable undergraduate work in research methods and human development. Intensive analysis of current theories and research in developmental psychology.

#### **• PSY 512 - Behavior Disorders in Children**

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(4)

Prerequisites: PSY 410, 412AB. Application of principles of psychology to behavior disorders in children. Designed primarily for clinicians, social workers, school psychologists, and parent educators.

## **PSY 515 - Advanced Statistical Methods in Psychology**

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(4)

Prerequisite: PSY 414. Topics include fixed, mixed, and random models of analysis of variance, interaction, analysis of covariance, and miscellaneous nonparametric statistics.

## **• PSY 516 - Seminar: Interpersonal Relationships**

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(4)

Prerequisite: PSY 415. The psychology of interpersonal relationships. Conceptual, methodological, and statistical issues in relationships research. Affiliation and attraction; relationship development; cognitive and affective processes; satisfaction and stability; intervention. Research project.

## **• PSY 522 - Seminar: Social Psychology**

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(4)

Prerequisite: PSY 322. Theory, methodology, and applied problems dealing with the phenomena of social behavior. Individual projects required.

## **• PSY 528 - Seminar in Applied Behavior Analysis**

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(4)

Prerequisites: PSY 428 and PSY 417. The application of basic principles of behavior analysis to clinically and socially relevant problem behaviors with diverse populations. Discussion of methodological and conceptual issues in applied behavior analysis.

## **• PSY 531A - Individual Testing and Case Study Techniques (also listed as COUN 531AB)**

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(4)

Prerequisites: COUN 428 and one of the following sequences: PSY 410 and 438; 410 and 431; or 310 and COUN 405A, 501 and 529. Intensive practice in administration and interpretation of better known testing devices for mental ability, perceptual and motor functioning, and personality dynamics, with attention to integration of results in case studies. Lecture 3 hours, laboratory 3 hours.

## **• PSY 531B - Individual Testing and Case Study Techniques (also listed as COUN 531AB)**

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(4)

Prerequisites: COUN 428 and one of the following sequences: PSY 410 and 438; 410 and 431; or 310 and COUN 405A, 501 and 529. Intensive practice in administration and interpretation of better known testing devices for mental ability, perceptual and motor functioning, and personality dynamics, with attention to integration of results in case studies. Lecture 3 hours, laboratory 3 hours.

## **• PSY 536 - Seminar: Counseling**

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(4)

Prerequisites: PSY 410, or 436AB and instructor consent. Intensive discussion of typical counseling situations coordinated with readings in area; evaluation of selected counseling theories. Offered in general and special sections, e.g., child, family, group. May be repeated in different sections, with maximum of 8 units applied to master's degree.

## **• PSY 538 - Seminar: Conceptual Issues in Behavior Analysis**

---

(4)

Prerequisites: PSY 421 and PSY 428. Conceptual and theoretical issues in behavior analysis including, but not limited to, the writings of B. F. Skinner.

- **PSY 542 - Human Sexuality: Dysfunction and Treatment**

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(4)

Prerequisite: Eight units of course work in theory and techniques of counseling. Theoretical perspectives on treatment of sexual dysfunction; diagnosis, treatment, research findings, ethical considerations.

- **PSY 565 - Seminar in Multicultural and Cross-cultural Psychology**

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(4)

Prerequisites: Any one of the following courses: PSY 439, PSY 411, PSY 465, PAS 400, or CHS 410; or equivalent in prior undergraduate program. Current findings and critical issues relating to ethnic minority and other culturally different groups, including Black/African American, Latino(a), Chicano(a), and Asian cultural groups; sexual minorities; and differently abled groups. The application of psychological principles toward alleviating psychosocial problems faced by culturally different groups.

- **PSY 567 - Longitudinal Methods and Analysis**

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(5)

Prerequisite: PSY 491 or equivalent or consent of instructor. Course examines longitudinal methods and analysis of longitudinal data. Seminar 4 hours, Laboratory 3 hours.

- **PSY 585 - Directed Clinical Practice**

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(4)

Prerequisites: PSY 426; 436 AB; PSY 536; advancement to candidacy; departmental approval. Lecture, discussion, and supervised experience providing individual and family therapy in campus or community settings. May be repeated to 16 units. Graded CR/NC.

- **PSY 586 - Brief Psychotherapy and Crisis Intervention**

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(4)

Prerequisites: Advancement to candidacy; PSY 436A. Principles of brief psychotherapy and crisis intervention. Emphasis on understanding basic issues and techniques involved in brief therapy strategies. Also, crisis intervention techniques from a variety of perspectives will be covered.

- **PSY 588 - Critical Problems in Psychology**

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(4)

Prerequisite: Instructor consent. Critical problems in psychology as a science or as a profession. Topic varies each quarter. May be repeated for credit.

- **PSY 591 - Advanced Multivariate Statistics**

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(5)

Prerequisite: PSY 491. Multivariate procedures focusing on degree of relationship significance of group differences, prediction of group membership, latent structure, and time course of events. Emphasis on written presentation of results and use of statistical software. Lecture 4 hours, laboratory 3 hours.

- **PSY 595 - Field Experience in Psychology**

---

(1–9)

Prerequisites: Advancement to candidacy; instructor consent; application to department in quarter prior to enrollment. Independent supervised field experience in an applied area of psychology. May be repeated to maximum of 12 units. Graded CR/NC.

- **PSY 596 - Comprehensive Examinations**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

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- **PSY 597 - Graduate Research**

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(1–6)

Prerequisites: Advancement to candidacy; instructor consent to act as sponsor; departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit. Graded CR/NC.

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- **PSY 598 - Graduate Directed Study**

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(1–4)

Prerequisites: Advancement to candidacy; instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated for credit. Graded CR/NC.

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- **PSY 599 - Thesis**

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(1–9)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 9 units. Graded CR/NC.

**Public Health (Undergraduate)**

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- **PH 150 - Health and Wellness**

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(4)

Current health and safety issues with an emphasis on disease prevention and wellness by evaluating current health knowledge and skills that can be incorporated into one's daily living.

**GE E**

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- **PH 154L - Special Topics in Health Science**

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(1–4)

Current topics of special interest to students in health science. May be repeated to a maximum of 12 units.

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- **PH 154P - Special Topics in Health Science**

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(1–4)

Current topics of special interest to students in health science. May be repeated to a maximum of 12 units.

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- **PH 201 - Medical Emergencies Management**

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(3)

Principles and techniques for giving immediate and temporary treatment in emergency situations; includes first aid and personal safety, community CPR, legal and safety aspects of medical aid and American Red Cross certification.

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- **PH 254L - Special Topics in Health Science**

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(1–4)

Current topics of special interest to students in health science. May be repeated to a maximum of 12 units.

- **PH 254P - Special Topics in Health Science**

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(1–4)

Current topics of special interest to students in health science. May be repeated to a maximum of 12 units.

- **PH 350 - Health Maintenance Problems**

---

(3)

Prerequisite: GE biological science requirement. Beneficial and detrimental factors of environment and their effect on the body and maintenance of health.

- **PH 354L - Special Topics in Public Health**

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(1–4)

Prerequisite: Upper division standing or consent of instructor. Current topics of special interest to students in public health. May be repeated to a maximum of 12 units.

- **PH 354P - Special Topics in Public Health**

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(1–4)

Prerequisite: Upper division standing or consent of instructor. Current topics of special interest to students in public health. May be repeated to a maximum of 12 units.

- **PH 356 - Issues in Global Health**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Explores the emerging health challenges to people in the developing world. The effects of ecological, social, economic, and political changes on health are examined.

**GE Theme A**

- **PH 360 - Selecting Health and Medical Services and Products**

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(3)

Consumer health, evaluation of health and accident insurance, quackery and fraudulent health practices, food and drug controls.

- **PH 370 - Environmental Racism  
(also listed as CHS 370)**

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(4)

Prerequisites: Completion of the Basic Subjects (Block A) and one course from Block B1. Use of epidemiology in environmental health. Morbidity and mortality in communities of color and lower economic status due to disproportionate distribution of environmental contaminants. Some sections of this course will be offered online.

**GE Theme H**

- **PH 410 - Theory and Principles of Public Health**

---

(4)

Prerequisites: PH 150. Theory, history and scientific basis of public health; examination of its interdisciplinary nature; discussion of public health issues, principles and practices.

- **PH 412 - Introduction to Epidemiology  
(also listed as MICR 412)**

---

(4)

Fundamental principles in studying the distribution and determinants of health states and events in specified populations and implications for health and safety promotion and disease and injury prevention.

- **PH 413 - Health Communication**

---

(4)

Prerequisite: PH 445. Principles of planning and development of health communication programs in community health; strategies to develop activities for effective communication of health information for the general public, patients and allied health practitioners.

- **PH 431 - Community, Environmental Safety and Public Health Law**

---

(4)

Prerequisite: PH/MICR 412. Examination of federal, state and local laws governing public health, environmental health and occupational safety; overview of OSHA, CALOSHA, EPA, CALEPA regulations, enforcement procedures, appeal process; review of selected cases.

- **PH 434 - Process Safety Management**

---

(4)

Prerequisite: PH 430. Physical and process hazards in industrial settings; application of process safety management; review of applicable codes, standards and controls; evaluation of selected cases.

- **PH 438 - Food-Borne Illnesses: Etiology, Prevention and Control  
(also listed as NTRS 438)**

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(4)

Prerequisites: MICR 151 or 201 and 202. Food-borne diseases and their causes, control and prevention.

- **PH 440 - Health Care Delivery System**

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(4)

U.S. health care delivery system and its relationship to health science professions using a systems model; input, throughput, and output issues identified and explored.

- **PH 445 - Health Promotion**

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(4)

Prerequisite: PH 479 or consent of instructor. Foundations of health promotion and health promotion program content including behavior modification; development and implementation for use in corporate medical care and community settings.

- **PH 446 - Critical Issues in Health Policy**

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(4)

This course examines the process of health care policy making, focusing on current, critical policy issues including cost and access to care, public health and government programs.

- **PH 447 - Vulnerable Populations**

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(4)

This course will focus on the health care needs and access to and quality of care received by a variety of vulnerable populations in the United States.

## **PH 455 - Sex Information for Health Education**

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(4)

Advanced sex information and education, physiological individuality and response, contraceptives and their health effects, selection and application of content in teaching sex education.

## **• PH 456 - Drugs and Health**

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(4)

Study of psychoactive drugs; drug-taking behaviors and issues related to dependence; physiological, psychosocial, legal and political aspects of drugs and health; strategies for drug abuse prevention, education and intervention. Fulfills teacher certification requirement in California.

## **• PH 457 - Health Education for Elementary School Teachers**

---

(1)

Information and application of laws, concepts, and principles related to student health and safety. Promotes informed use of health-related information, products, and services. Fulfills teacher certification requirement in California.

## **• PH 458 - Advanced Health Education for Teachers**

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(4)

Prerequisite: Upper-division standing. Theories, principles, and policies related to student health and safety; analysis and use of health information in K-12 school settings; and strategies for implementing health curricula at school sites.

## **• PH 463 - International Health**

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(4)

Upper division standing. Review and analysis of historical and modern efforts to solve health problems; survey of global health problems; analysis of the role of international health agencies.

## **• PH 464 - Community Health Care Programs**

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(4)

Upper division standing. Analysis and review of community health programs and organizations; their structure, function and funding sources developed by professional and voluntary health agencies to address expanding community health needs.

## **• PH 468 - Problems in Controlled Substances**

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(3)

Prerequisite: GE biological science requirement. Concepts of drug addiction; problems in education, prevention, and treatment.

## **• PH 470 - Public Health Administration**

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(4)

Prerequisite: Upper division standing. Overview of issues in administration of public health organizations including ethical considerations, leadership, fund-raising, financial management, information management, organizational culture, human resource management, strategic planning, and marketing.

## **• PH 471 - General Principles of Environmental Health**

---

(4)

Upper division standing. General scope of disciplines within environmental health field; routes of entry into those disciplines.

- **PH 472 - Data Analysis for Public Health**

---

(4)

Prerequisite: MATH 100 or 102 or 104A. Techniques and methods for public health data analysis including basic statistical techniques; methods of deriving morbidity and mortality rates, life tables, and risk assessment.

- **PH 475 - Proseminar: Current Issues in Health**

---

(4)

Prerequisites: PH 150, 480. Examination of current issues and trends in community health; analysis of implications in education and service delivery; development of problem solving techniques.

- **PH 476 - Quality Assurance in Health Programs**

---

(4)

Historical development of quality assurance regulations including accreditation, credentials, licenses, regulations, and health education evaluation; emphasis on current regulations including audits, utilization reviews, professional standards, and continuing education in relation to health care delivery programs.

- **PH 479 - Program Planning and Evaluation**

---

(4)

Prerequisites: PH 464 and PH 412. Concepts, skills and competencies required for program planning in community health; theories and techniques for evaluation of health education and health promotion programs.

- **PH 480 - Introductory Research Analysis and Technical Writing for Public Health**

---

(4)

Prerequisites: PH 472 or HHS 400 and satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Research concepts and methods applicable to the practice of public health. Emphasis on developing technical writing skills, analyzing and critiquing research reports, and reporting on public health data.

- **PH 483 - Hazardous Waste Management Operations and Emergency Response**

---

(4)

Prerequisite: PH 471. Principles and practices of management of hazardous materials and hazardous waste, with emphasis on emergency planning and response.

- **PH 490 - Administration of School Health Programs**

---

(4)

Prerequisite: Upper division standing. Examines the mission, goals, and strategies created by federal, state, and local, government as they relate to the administration of school health programs. Focus will be directed at the development of curriculum for health education.

- **PH 491 - Special Studies in Health and Safety**

---

(1–4)

Prerequisite: Senior or graduate standing. Intensive study of an area of health or safety; specific area announced in Schedule of Classes. May be repeated to maximum of 16 units as subject matter changes.

- **PH 496 - Internship in Public Health**

---

(2–8)

Prerequisite: Consent of student's adviser. Monitored field study experience in approved agencies under the guidance of faculty and field preceptor. Includes individual progress conferences with preceptor and faculty. May be repeated to maximum of 20 units. Graded CR/NC.



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# Course Descriptions

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## Public Health (Undergraduate)

- **PH 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: For health studies, BIOL 200AB; for both health and safety studies, instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and a final report submitted. May be repeated to maximum of 6 units.

## Public Health (Graduate)

- **PH 526 - Seminar in Health Effects of Environmental Contaminants**

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(3)

Discussions and surveys on current critical issues in environmental health sciences.

- **PH 530 - Research Design in Health Science**

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(4)

Prerequisite: A four-unit, upper division statistics course. Examination of research methodology within a conceptual framework of health science; utilization of the tools of research.

- **PH 540 - Analysis of Health Care Delivery Systems**

---

(4)

National and international health care delivery systems, their historical development, objectives, designs, systems components; personnel, facilities, financing, and utilization problems; future patterns in health care delivery systems. Field visits may be required.

- **PH 560 - Administration of Health and Safety Education**

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(3)

Organization, content, and evaluation of health and safety education programs; administration and supervision in official and non- official agencies.

- **PH 570 - Health Appraisal and Guidance**

---

(4)

Developing skills in recognizing health problems; choosing appropriate procedures for screening programs; implementation of appraisal findings through appropriate health guidance techniques.

- **PH 580 - Seminar: Health Science Research**

---

(4)

Prerequisite: PH 591. Analysis of and research in health science.

- **PH 591 - Advances in Health Education**

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(3)

Prerequisite: HS 530. Analysis of selected contemporary problems in health science.

- **PH 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **PH 597 - Graduate Research**

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(1–6)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated to maximum of 6 units. Graded CR/NC.

- **PH 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 6 units.

- **PH 599 - Thesis or Project**

---

(1–6)

Prerequisites: Instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 6 units. Graded CR/NC.

### Religious Studies (Undergraduate)

- **RELS 200 - Introduction to Comparative Religions  
(also listed as PHIL 200)**

---

(4)

Methods and concepts in comparative religions; multidisciplinary approaches to the study of ancient and contemporary religious phenomena in literate and illiterate cultures.

**GE C3 ; Approved diversity course**

- **RELS 300 - Judaism, Christianity, Islam**

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(4)

Origin and development of Judaism, Christianity, and Islam; comprehensive study of ideas, beliefs, and practices in the three religions.

- **RELS 311 - Seeking the Holy: Ancient Traditions, Modern Practices**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C or D. Comparative analysis of the ways in which texts, objects, environments, spaces, music and rituals associated with ancient religions shape contemporary human spiritual experiences and social practices.

**GE Theme I ; Approved diversity course**

- **RELS 325 - Themes of Adult Life in the World's Religions**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. The role of major world religions in different stages of adult life of women and men in diverse racial ethnic

groups and social classes.

**GE Theme F ; Approved diversity course**

- **RELS 335 - Gender in the Diversity of World Religions**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Beliefs and practices of major world religions concerning gender roles, sexuality, and sexual orientation, and their manifestations in different social classes and racial and ethnic groups.

**GE Theme C ; Approved diversity course**

- **RELS 345 - Health and Wellness in World Religions**

---

(4)

Prerequisite: RELS/PHIL 200. Impact of Eastern, Western, and traditional religions on health and wellness of their members and society.

- **RELS 380 - Emotion in Religion**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Emotions in world religions; diversity of feeling and expression according to beliefs, ethics, rituals, social organization, gender, class, race, and ethnicity.

**GE Theme E ; Approved diversity course**

- **RELS 400 - Methodological Approaches to Comparative Religious Studies**

---

(4)

Major methodological approaches to the study of comparative religion, such as historical, phenomenological, philosophical, anthropological, psychological, sociological, and comparative approaches.

- **RELS 402 - Religion and Society in Medieval Europe  
(also listed as HIST 402)**

---

(4)

History of European religious beliefs and practices from the 3rd to the 15th centuries, emphasizing the diversity within medieval Christianity.

- **RELS 410 - Asian Religions**

---

(4)

Prerequisite: RELS/PHIL 200. Comparative analysis of Asian religions; history, rituals, religious experiences, beliefs, ethics, religious institutions, and interrelationships with culture.

- **RELS 423 - Migration, Identity, and Religion**  
(also listed as CHS 423 and LAS 423)

---

(4)

Examines the role of the Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

- **RELS 430 - Spiritual Experiences and Mysticism in World Religions**

---

(4)

Comparison of spiritual experiences and mysticism in the major world religions in relation to their respective beliefs, rituals, spiritual disciplines, religious communities, and society.

- **RELS 454 - Special Topics in Religious Studies**

---

(4)

Topics of special interest as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **RELS 455 - American Religious History**  
(also listed as HIST 455)

---

(4)

Principal religious figures, groups, issues and movements in U.S. history, with an emphasis on their place in the development of American culture.

- **RELS 461 - Religion and the Nuclear Age**

---

(4)

Prerequisites: GE natural science requirement; RELS/PHIL 200. Implications and challenges of nuclear weapons, nuclear power, and modern concepts of physics for the religions of the world.

- **RELS 493 - Religion and Society in Chinese History**

**(also listed as HIST 493)**

---

(4)

History of religious beliefs and practices throughout Chinese history, emphasizing the competition and mingling of various native and imported religions.

- **RELS 499 - Undergraduate Directed Study**

---

(1–4)

Prerequisites: RELS/PHIL 200, instructor consent to act as sponsor. Project selected with instructor before registration; progress meetings held regularly; final report. May be repeated for credit with different topic.

## **Russian (Undergraduate)**

- **RUSS 101A - Elementary Russian**

---

(4)

Prerequisite: See departmental “Limitation on Language Credit” policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Russian. Introduction to the customs, culture, and institutions of the Russophone people.

**GE C4**

- **RUSS 101B - Elementary Russian**

---

(4)

Prerequisite: See departmental “Limitation on Language Credit” policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Russian. Introduction to the customs, culture, and institutions of the Russophone people.

**GE C4**

- **RUSS 101C - Elementary Russian**

---

(4)

Prerequisite: See departmental “Limitation on Language Credit” policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Russian. Introduction to the customs, culture, and institutions of the Russophone people.

**GE C4**

## **Secondary Education (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

- **EDSE 190 - Exploring Science in the Classroom, School, and Community**

---

(2)

Prerequisites: Enrollment in the undergraduate Natural Science major with an option in Biology, Chemistry, Geoscience or Physics/teacher preparation for the Single Subject (Better Educated Science Teacher) program. Sixty hours of early field exploration of teaching science in public middle schools and high schools.

- **EDSE 401 - Instructional Strategies in Secondary Teaching**

---

(4)

Prerequisite: Completion of all requirements for formal admission to single subject credential program. Course restricted to preservice candidates to be taken in block one of the program. Theoretical and practical aspects of instructional design along with developing skills and understandings required by prospective and beginning secondary school teachers for effective instructional planning implementation, assessment, classroom management, and evaluation of instructions; analysis of special instructional and curricular problems in secondary schools.

- **EDSE 401S - Instructional Strategies in Secondary Teaching Spanish**

---

(4)

Prerequisite: SPAN 200C or 205B or equivalent. Prerequisites or corequisites: EDCI 300. Skills and understandings required by prospective and beginning secondary school teachers for effective planning, implementation, and evaluation of Spanish/English bilingual instruction; analysis of special instructional and curricular problems in secondary schools.

- **EDSE 415 - Classroom Management in Secondary Schools**

---

(4)

Prerequisite: Completion of all requirements for formal admission to single subject credential program. Course restricted to preservice candidates to be taken in block one of the program. Identification and resolution of classroom management and control problems in secondary schools; study and application of selected strategies, teacher control techniques, and related research.

- **EDSE 421 - Instructional Methods for Secondary School Subjects**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421C - Instructional Methods for Secondary School Subjects - Science**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421G - Instructional Methods for Secondary School Subjects - Economics and General Business**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Methods and materials for teaching such high school subjects as economics, consumer economics, general business, and business law.

- **EDSE 421H - Instructional Methods for Secondary School Subjects - Health and Safety Education**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421I - Instructional Methods for Secondary School Subjects - Industrial Education**

---

(3–4 each)

Prerequisite: TECH 300AB. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.



- **EDSE 421L - Instructional Methods for Secondary School Subjects - Languages Other than English**

---

(3–4 each)

Prerequisite: Six upper division units in the language. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421M - Instructional Methods for Secondary School Subjects - Mathematics**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421N - Instructional Methods for Secondary School Subjects - English and Language Arts**

---

(3–4 each)

Prerequisites: ENGL 401; 406 or 410; completion of all but two courses in English program for Single Subject credential. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421P - Instructional Methods for Secondary School Subjects - Physical Education**

---

(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421R - Instructional Methods for Secondary School Subjects - Art**

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(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421S - Instructional Methods for Secondary School Subjects - Social Science**

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(3–4 each)

Prerequisite: Formal admission to single subject teaching credential program, and as specified for individual subjects below, and completion of all courses in Blocks One-Two. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 421U - Instructional Methods for Secondary School Subjects - General Music**

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(3–4 each)

Prerequisite: MUS 423 Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 423 - Literacy in Middle and High School Content Classrooms**

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(4)

Prerequisite: EDSE 401, 415, 442A, EDFN 440. Integrating literacy development with learning in middle and high school content classrooms. Understanding and assessing literacy processes; vocabulary development; strategic literacy instruction; literacy development for all learners. Tutorial field experience.

- **EDSE 423S - Teaching Reading in Secondary Schools - Spanish**

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(4)

Prerequisite: SPAN 200C or 205B or equivalent. Suggested corequisite: EDSE 442B or 489 or current secondary school classroom employment. Reading in secondary school content areas; reading as an instructional tool in bilingual secondary classes; strategies to improve reading at secondary level; provision for field experience.

- **EDSE 428C - Processes of Science**

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(4)

Exploration of the methodologies, logical procedures, and explanatory systems that characterize the natural sciences. Focal point will be the role of the science educator in a constructivist teaching/learning environment.

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- **EDSE 430 - Using ESL Techniques in the Content Areas**

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(4)

Prerequisites: EDFN 440, EDSE 401, 415, 442A. ESL and sheltered English/SDAIE instructional strategies that increase English skills and comprehensibility of core curricular subject matter for second language learners.

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- **EDSE 442C - Directed Teaching in Secondary Schools**

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(7)

Prerequisites: Enrollment in the undergraduate Natural Science major with an option in Biology, Chemistry, Geoscience or Physics/teacher preparation for the Single Subject (Better Educated Science Teacher) program. Formal admission into the Charter College of Education credential program. Completion of all other program coursework.

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- **EDSE 442I - Proseminar: Learning Environments and Instruction in the Secondary Teaching Internship**

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(4)

Prerequisite: Formal admission to the single subject internship credential program. Support to intern teachers in organizing learning environments and instructional practices in urban middle and secondary classrooms. Field experience in teaching.

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- **EDSE 445A - Proseminar: Learning Environments and Instruction in Secondary Schools**

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(4)

Corequisites or prerequisites: EDCI 300, EDFN 413. Organization of learning environments and instructional practices to support student learning with the socio-cultural context of urban secondary classrooms. Observation and participation in secondary schools.

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- **EDSE 445B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture**

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(4)

Prerequisites: EDFN 440, EDSE 401, 415, 423, 430, 445A. Corequisite: EDSE 421. Understanding of dimensions of school culture in curriculum and instruction. Using school culture information to develop and deliver curriculum and assessment. Observation and participation in secondary schools.

- **EDSE 445C - Directed Teaching in Secondary Schools**

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(10)

Prerequisites: Formal admission to the credential program; completion of credential courses in Blocks One through Three; completion of subject matter preparation program and recommendation of the subject department. Corequisite: EDSE 445D. Four periods per day of directed teaching in an assigned school. CR/NC only.

- **EDSE 445D - Proseminar: Assessment of Teaching Performance**

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(2)

Prerequisites: EDFN 440, EDSE 401, 415, 421, 430, 423, 445A, 445B, EDSP 400. Corequisite: EDSE 445C or 489. Reflections on teaching practices in secondary schools. Summative review of portfolio evidence of teaching practices.

- **EDSE 489 - Demonstration of Instructional Competencies**

---

(10)

Prerequisites: Formal admission to the credential program; completion of credential courses in Blocks One through Three; completion of the subject matter competency. Corequisite: EDSE 442E. Demonstration of teaching competencies for full-time secondary teachers. Must include two periods in subject area of credential. Meets California Single Subject teaching credential requirement for directed teaching. Four periods per day of directed teaching at an approved school site. May be repeated for credit with division approval. Graded CR/NC.

- **EDSE 490 - Problems in Secondary Education**

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(2–5)

Prerequisite: Instructor consent. Investigation of unique problems in secondary education. Specific subject announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **EDSE 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for

credit.

## **Secondary Education (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.*

- **EDSE 500 - Introductory Seminar: Reflections on Teaching**

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(4)

Inquiry into theories and principles guiding classroom practice in middle and secondary schools. Addresses instructional problems and issues as well as methods for their investigation and solution.

- **EDSE 590 - Teaching in Multicultural Middle and Secondary Classrooms**

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(4)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency Credential program and completion of Residency Block II of the program. Course examines research-based strategies for designing, implementing and evaluating culturally appropriate and student-centered curriculum and instruction in multicultural, urban middle and secondary classrooms.

- **EDSE 591 - Problems of Metropolitan Secondary School Students**

---

(4)

Prerequisites: Secondary credential, secondary teaching experience. Consideration of typical and special problems of adolescents, with emphasis on their perception of such problems; investigation of selected aspects of adolescent attitudes, interests, and behavior.

- **EDSE 594 - Selected Studies in Secondary Education**

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(1–4)

Prerequisite: Consent of division chair. Intensive study of designated problems in secondary education. May be repeated for a maximum of 12 units for credit as subject matter changes.

- **EDSE 595 - Seminar: Metropolitan Secondary Education**

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(4)

Prerequisite: Instructor consent or completion of or concurrent enrollment in final units of program

for Master of Arts degree: Option in Secondary Teaching. Identification and analysis of persistent problems as they affect metropolitan secondary education.

- **EDSE 596 - Comprehensive Examination**

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(3,4)

The comprehensive examination for the Master of Arts degree in Education with an option in Middle and Secondary Curriculum and Instruction will require candidates to engage in extended inquiry by completing an interlocking set of structured activities such as field research, teacher research, literature reviews, grant writing, and program development. Candidates electing to take these comprehensive exams will be monitored and guided over two quarters while they are enrolled in EDSE 596. Graded CR/NR

- **EDSE 597 - Graduate Research**

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(1–4)

Prerequisites: EDFN 500, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated to a maximum of 12 units for credit. Graded CR/NC.

- **EDSE 598 - Graduate Directed Study**

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(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

### **Social Work (Undergraduate)**

*PSY 150 or SOC 201 or 202, normally prerequisite to all upper division SW courses, may be waived only with instructor consent.*

*Some 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **SW 301 - Writing for Social Work**

---

(4)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Reasoning and writing skills for comprehending and communicating information in social work. Minimum C grade required for passing.

- **SW 355 - Strategies for Preventing and Intervening in Family Violence and Abuse**  
(crosslisted as NURS 355)

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Major theories used to explain family violence; emphasis on preventing abuse and intervening with victims across the age span; social policy and legal issues.

**GE Theme B**

- **SW 362 - From Institutional Racism to Cultural Competency**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Theoretical and empirical data regarding institutional racism; increase understanding of diversity and cultural competency.

**GE Theme H ; Approved diversity course**

- **SW 370 - Field of Social Work**

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(4)

Prerequisites: PSY 150 or SOC 201 or 202 and HHS 400 or EDFN 452 or SOC 210A or ECON/MATH 109 or an equivalent elementary statistics course. Overview of social work profession; including contemporary practices and policies of social welfare agencies. Minimum C grade required for passing.

- **SW 371 B - Human Behavior and the Social Environment: Late Adolescence Through Old Age**

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(4)

Prerequisite: SW 370. Application of social work practice principles, values, knowledge, and skills in assessment of human behavior within context of social environment from late adolescence through old age.

- **SW 371A - Human Behavior and the Social Environment: Prenatal Through Early Adolescence**

---

(4)

..... Prerequisite: SW 370. Application of social work practice principles, values, knowledge, and skills in assessment of human behavior within context of social environment from birth to early adolescence.

- **SW 372 - Social Work Practice I: Communication and Interviewing Skills**

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(4)

Prerequisite: SW 370. Examines and applies communication theory and interviewing skills in working with individuals, families, small groups, and communities. Minimum C grade required for passing.

- **SW 391 - Social Work Research Methods**

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(4)

Prerequisite: HHS 400 or SOC 210A or EDFN 452 or ECON/MATH 109. Scientific, analytic approach to knowledge building and practice in social work; experimental, quasi-experimental, and single subject research designs; sampling, survey methods, case studies, exploratory-descriptive studies, and evaluation research.

- **SW 411 - Computer Applications in Social Work**

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(4)

Prerequisite: SW 370. Computers in field of social work and human service programs; includes use of major “applications” programs that have specific relevance to field of social work.

- **SW 450 - Crosscultural Practice with Aging Populations**

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(4)

Prerequisite: Upper division standing. Ethnic factors in aging; ethnic specific and comparative analysis of ethnicity as it influences sociocultural context of older persons, care giving, and service delivery and utilization.

- **SW 454 - Selected Topics in Social Work**

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(1–6)

Current topics of special interest in social work, as announced in Schedule of Classes. May be repeated for credit.

- **SW 456 - Multidisciplinary Teams, Child Maltreatment, and Family Violence**

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(4)

Prerequisite: PSY 150 or SOC 201. Personal and professional responsibility in reporting, preventing, and treating child maltreatment; a multidisciplinary team approach to problems of child



maltreatment and family violence.

- **SW 461 - Social Work Practice in Minority Communities**

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(4)

Prerequisite: SW 370. Social work practice and its relationship to minority group communities; innovative methods of delivery of services; casework approaches, racism, role of social worker.

- **SW 463 - Women's Issues in Social Welfare**

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(4)

Prerequisite: SW 370. Women's issues within social work practice areas; analysis of social welfare response to women's special concerns; social policy implications for future directions.

- **SW 465 - Programs and Policies Related to the Elderly**

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(4)

Prerequisite: Upper division standing. Policies, programs, and service delivery systems related to the elderly; descriptive and normative analysis of social problems related to aging with emphasis on ethnic minorities.

- **SW 466 - Case Management with Older Adults**

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(4)

Prerequisite: Upper division standing. Examination of frameworks and models lined to quality case management programs and services, with the underserved, culturally diverse, frail elderly; case finding, assessment, goal setting to promote community-based care.

- **SW 474 - Social Work Practice II: Working with Individuals and Families**

---

(4)

Prerequisites: SW370, SW 372. Generalist social work practice methods: engagement, data collection, assessment, intervention case management, evaluation and termination. Covers ethnic sensitive social work practice. Minimum C grade required for passing.

- **SW 475 - Social Work Practice III: Working with Groups**

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(4)

Prerequisites: SW 370, SW 372. Study of human behavior in groups; use of groups to accomplish

individual, family, organizational, and/or community goals. Minimum C grade required for passing.

- **SW 476 - Child Welfare**

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(4)

Services to families, children, and youth; the network of preventive and supportive services; child neglect and abuse; children and the legal system; foster care, institutional care, group homes, and adoptions.

- **SW 478 - Social Welfare Policy and Social Services**

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(4)

Prerequisite: SW 370. Identifying, formulating, implementing, and evaluating social welfare policy options. Design and implementation of social service delivery systems. Minimum C grade required for passing.

- **SW 480 - Social Work in the Criminal Justice System**

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(4)

Development and application of individual, group, social change methods of social work in criminal justice system. Focus on methods used with victims and communities as well as offenders.

- **SW 482 - Social Work Practice IV: Community Organization**

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(4)

Prerequisites: SW 370, SW 372. Applies stages of the generalist social work method to community organizing, community analysis, dynamics of social power, and formal organizations. Minimum C grade required for passing

- **SW 485 - The Homeless in Society**

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(4)

Prerequisite: SOC 201 or 202. The homeless and homelessness including cultural, health/mental health, sociopolitical, economic, legal issues, consequences; policy, programs, service delivery responses and options. Lecture 3 hours, laboratory 3 hours.

- **SW 486 - Probation and Parole**  
(also listed as SOC 486)

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(4)

Prerequisite: SOC 480 or 482. History, philosophy, legal bases, and procedures governing investigation, treatment, and supervision of adjudged juvenile offenders and adult violators placed on probation and parole.

- **SW 490 - Latino Mental Health**

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(4)

Prerequisite: SW 474 or other upper division course in mental health or counseling. Psychosociocultural aspects of mental health problems and issues within Latino community; factors affecting mental/emotional well-being, the design and delivery of culturally based services, and implications for practice and research. Service in an agency serving Latino clients is required. This course requires service learning.

- **SW 495 - Directed Field Experience**

---

(4)

Prerequisites: SW 301, SW 370, SW 371A, 371 B, SW 372, Pass WPE and complete criminal clearance. Corequisite: SW 496. Student internship social agency; supervised activities in application of theory and skills acquired in foundation courses. Must be repeated to total 12 units. Graded CR/NC. Students enter fieldwork in fall or winter quarters and must complete three consecutive quarters. If students receive a "NC" in any quarter, they may repeat the entire field practicum only once at another agency.

- **SW 496 - Integrative Seminar**

---

(1)

Prerequisites: SW 301, SW 370, SW 371A, SW 371B, SW 372 Corequisite: SW 495. Examination of the relationship between social work theory and practice to provide integration of academic and directed social work field experiences. Must be repeated consecutively to total of 3 units as a corequisite to fieldwork (SW495). Minimum C grade required for passing. If a student is required to repeat the fieldwork, they must repeat seminar as a corequisite for 3 additional units; however, if student passes fieldwork but receives less than minimum grade in seminar, course can be repeated only to 4 total units.

- **SW 497 - Social Work Proseminar**

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(4)

Prerequisite: Sixteen upper division SW units. Comprehensive survey and analysis of selected areas of social work inquiry as announced in Schedule of Classes. May be repeated once for credit.

- **SW 498 - Cooperative Education**

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This cooperative education course may be repeated up to 16 units.

- **SW 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: Senior standing, 2.75 overall grade point average, consent of a faculty sponsor, approval of proposed project prior to registration, ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report.

### **Social Work (Graduate)**

*Some 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

*Classified graduate standing is required for admission to all 500-level courses.*




- **SW 510A - Human Behavior and the Social Environment I**

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(4)

Prerequisite: Admission to the MSW program. Human growth and development from birth through adolescence including views based on biological, psychological, cultural, interpersonal, and social structural assumptions; applications to social work.

## Course Descriptions

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### Social Work (Graduate)

*Some 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

*Classified graduate standing is required for admission to all 500-level courses.*

#### • **SW 510B - Human Behavior and the Social Environment II**

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(4)

Prerequisite: SW 510A. Human growth and development from middle age through old age and death, including biopsychosocial, cultural, interpersonal, and structural assumptions.

#### • **SW 510C - Human Behavior and the Social Environment III**

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(4)

Prerequisite: SW 510B. Review and critique of theories of human growth and development from a crosscultural perspective; emphasis on micro and mezzo theories for relevance to the biopsychosocial needs and problems of ethnic minority client systems.

#### • **SW 520A - Parameters of Practice**

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(4)

Prerequisite: Admission to the MSW program. Historical development and theoretical foundations for generalist social practice; value base, principles and method for cross-cultural service delivery.

#### • **SW 520B - Micro Practice**

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(4)

Prerequisite: SW 520A. Repertoire of practical skills derived from variety of theoretical frameworks for selective application for professional social work practice with diverse, micro-level client systems.

#### • **SW 530A - Social Welfare History and Introduction to Macro Practice**

---

(4)

Prerequisite: Admission to the MSW Program. Social Welfare policy; examination of history, philosophy, ethics, function and structure of the social welfare institution and the social work profession within sociopolitical, economic and cultural systems.

#### • **SW 530B - Social Welfare Policy Analysis**

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(4)

Prerequisite: SW 530A. Programs of social insurance and social assistance, income transfer and income maintenance; analyses of issues with regard to entitlements, coverage and eligibility.

#### • **SW 530C - Community Organizing**

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(4)

Prerequisite: SW 520B. Social work interventions with natural and formed groups, understanding for community development, especially in low-income minority communities; analyses of community organizations and their effect upon delivery of social services.

- **SW 540 - Social Welfare Research and Statistics**

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(4)

Prerequisites: Admission to the MSW program; a course in statistics. Research designs and methodologies in social work; problem formulation, sampling techniques, instrument construction, evaluation research.

- **SW 549A - Field Practicum**

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(3)

Prerequisite: Admission to the MSW program. Supervised field placement for advanced generalist practice with individuals, families, groups and communities. Graded CR/NC.

- **SW 549B - Field Practicum**

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(3)

Prerequisite: Admission to the MSW program. Supervised field placement for advanced generalist practice with individuals, families, groups and communities. Graded CR/NC.

- **SW 549C - Field Practicum**

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(3)

Prerequisite: Admission to the MSW program. Supervised field placement for advanced generalist practice with individuals, families, groups and communities. Graded CR/NC.

- **SW 550 - Advanced Social Welfare Research**

---

(3)

Prerequisite: SW 540. Advanced research designs and methodologies in social work in preparation for the Master's Thesis. Research questions and hypotheses, protection of human subjects, sampling, instrument construction, data collection and data analysis.

- **SW 551 - Advanced Practice I: Children, Youth, Women and Families**

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(4)

Prerequisite: Completion of SW 549C. Advanced level of theory and practice focusing upon prevention, crisis intervention and short-term treatment with children, youth, women, and families.

- **SW 552 - Advanced Practice I: Aging and Families**

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(4)

Prerequisite: Completion of Foundation Year. Advanced level of practice addressing theories of aging, health and medical needs of the elderly; critical care issues affecting this population.

- **SW 553 - Advanced Practice II: Diversity Perspectives Over the Life Course**

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(4)

Prerequisite: SW 551. Theory and practice with ethnically, racially, religiously diverse populations utilizing a multidimensional cross-cultural framework and case materials to analyze treatment issues and empowerment strategies for children, youth, women and families.

- **SW 556 - Advanced Practice I: Forensic Casework**

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(4)

Prerequisite: SW 549 and instructor consent. Examination of theoretical and practice foundations for social casework with adult/juvenile forensic clients; overview of forensic social work practice.

- **SW 558 - Advanced Practice III: Capstone Seminar: Children, Youth, Women and Families**

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(4)

Prerequisite: SW 553. Interventions based on gender, race, age and class factors in service delivery to children, youth, women and their families; prevention, funding, grantsmanship and program evaluations. Special emphasis on disadvantaged communities.

- **SW 559 - Advanced Practice III: Capstone Seminar: Aging & Families**

---

(4)

Prerequisite: SW 553. Interventions based on gender, race, age and class factors in service delivery to older adults and their families; prevention, funding, grantsmanship and program evaluations. Special emphasis on disadvantaged communities.

- **SW 560 - Advanced Practice III: Capstone Seminar: Forensic Social Work.**

---

(4)

Prerequisite SW 556. Interventions based on gender, race, age and class factors in service delivery to clients and their families involved in the criminal justice system, with special emphasis on disadvantaged communities.

- **SW 571 - Administration of Social Service Agencies**

---

(4)

Prerequisite: SW 530C. Issues in management and organizational behavior within human service systems; leadership; decision making; conflict resolution; program and staff development; fiscal management; working with boards and volunteers.

- **SW 575 - Policy and Services/Applications: Children, Youth, Women and Families**

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(4)

Prerequisite: SW 571. Critical analysis of social systems, policies and programs designed to provide human services to culturally diverse individuals, families and groups.

- **SW 576 - Policy and Service/Applications: Aging and Families**

---

(4)

Prerequisite: SW 571. Analysis of federal, state and local policies including Medicare and Medi-Cal; emphasis on financing and budgeting of program; legal mandate for various social work interventions.

- **SW 577 - Policy and Services/Applications: Forensic Social Work.**

---

(4)

Prerequisite: SW 571. Critical analysis of current problems and policies in forensic social work, and community and institutional issues that impact culturally diverse individuals, families, and groups involved with the criminal justice system.

- **SW 581 - Poverty and Institutional Racism**

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(2)

Prerequisite: Completion of SW 549C. Historical and contemporary manifestations of institutional racism in America and its effects upon the economic status of oppressed populations.

- **SW 582 - Key Issues in DSM-IV: Focus on Forensic Mental Health**

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(2)

Prerequisites: 520B and 530C. Issues of assessment, including mental status and diagnosis, for advanced social work practice. Emphasis on practice with forensic clients.

- **SW 583 - Immigration, Social Policy and the Social Services**

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(2)

Prerequisite: Completion of SW 549C. Past and current issues in American immigrant legislation; impact upon the social services delivery system from perspectives of the social work practitioner and the recent immigrant.

- **SW 584 - Trauma, Substance Abuse and Violence**

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(2)

Prerequisites: SW 520A and 520B. Examines advanced social work practice interventions with mental health and forensic clients impacted by trauma, physical and sexual violence, and substance abuse.

- **SW 585 - Policy and Practice In Public Child Welfare**

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(2)

Prerequisites: 520E and 530C. Contemporary practice in California's public child welfare systems in the context of current policy and administrative issues.

- **SW 586 - Grief and Loss in Later Life**

---

(2)

Examination of historical, cultural, societal, and personal perspectives on grief and loss in contemporary society and, in particular, how it impacts older adults.

- **SW 589 - Selected Topics in Social Work**

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(1–6)

Current topics of special interest in social work, announced in the Schedule of Classes. May be repeated for credit up to a total of 4 units.

- **SW 591A - Field Practicum**

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(4)

Prerequisite: Completion of Foundation year. Advanced case and group management and community planning responsibilities in a supervised field setting. Graded CR/NC.

- **SW 591B - Field Practicum**

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(4)

Prerequisite: Completion of Foundation year. Advanced case and group management and community planning responsibilities in a supervised field setting. Graded CR/NC.

- **SW 591C - Field Practicum**

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(4)

Prerequisite: Completion of Foundation year. Advanced case and group management and community planning responsibilities in a supervised



field setting. Graded CR/NC.

- **SW 598 - Graduate Directed Study**

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(1–4)

Prerequisite: SW 549 and Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. Repeatable for up to 12 units.

- **SW 599A - Thesis or Research Project I**

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(3)

Prerequisite: SW 540. Formulation and design of a thesis or research project incorporating quantitative and/or qualitative data obtained from the field practicum concentration. Graded CR/NC.

- **SW 599B - Thesis or Research Project II**

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(3)

Prerequisite: SW 599A. Completion of the thesis or research project focusing upon the presentation of data and the conclusion, implication, and recommendations for individual, social or institutional change derived from the findings. Graded CR/NC.

### **Sociology (Undergraduate)**

*SOC 201 normally is prerequisite to all upper division courses in sociology and may be waived only with instructor consent.*

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **SOC 101 - Social Problems**

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(4)

Methods that social institutions and interest groups use to define "social problems," including poverty, substance abuse, delinquency, racism, sexism, crises in education and health care, and urban/environmental issues; policy implications.

\*C-ID SOCI 115

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **SOC 120 - Intimate Relationships in Our Diverse Society  
(also listed as CHDV 120)**

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(4)

Principles of interaction in intimate relationships in our diverse society. Understanding/valuing diversity and similarity (gender, ethnicity, class, etc.) in achieving intimacy. Developing knowledge/skills for dealing with relationship issues. Some sections may be offered online.

\*C-ID SOCI 130

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE E ; Approved diversity course**

- **SOC 201 - Principles of Sociology**

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(4)

Social institutions and group behavior; social order and change. Issues include hegemony, pluralism, distribution of privilege and power, sources of cooperation and conflict, deviance and social control.

\*C-ID SOCI 110

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE D**

## • **SOC 202 - Society and Individual Development**

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(4)

Service Learning Course. Some sections to be offered online with required community service. Social, psychological, and physiological processes affecting individual development throughout the life span. Identity issues, family, socialization, and social institutions, as interconnected with gender, age, ethnicity/race, economics, and diverse populations.

**GE E ; Approved diversity course**

## • **SOC 210 - Elementary Statistics**

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(4)

Recommended prerequisite: Basic college mathematics course. Introduction to social statistics, covering univariate, descriptive statistics, level of measurement, hypothesis testing for mean differences, using statistical and data management software, tables, AND charts, summary measures, regression and correlation, and statistical inference, sampling, predictive models, analysis of variance, non parametric and parametric tests, and simple multivariate analysis. Lecture 2 hours, laboratory 2 hours.

\*C-ID SOCI 125

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

## • **SOC 263 - Asian-American Experience**

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(4)

Comparative experiences of the Chinese, Japanese, Korean, Filipino, Pacific Islander, Southeast Asian refugee, and other Asian groups in the United States. Immigration, adaptation, discrimination, identity, alienation, stratification, and other contemporary issues.

**GE D ; Approved diversity course**

## • **SOC 300 - Cultural Emotions**

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(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Human emotions as organized within social relationships and institutions of family, religion, education, government, and economy; cultural norms and vocabulary; ethnic, sex, and social class diversity in feeling and expression.

**GE Theme E ; Approved diversity course**

## • **SOC 301 - Writing for Sociology**

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(4)

Prerequisite: ENGL 102\*, satisfactory completion of Graduation Writing Assessment Requirement (GWAR). Reasoning and writing skills for comprehending and communicating information in sociology. \*Students subject to catalogs earlier than 1993-95 satisfy this prerequisite with ENGL 101 or 190.

- **SOC 310 - Intermediate Statistics**

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(4)

Prerequisite: SOC210. Intermediate level social statistics, covering causal hypothesis, hypothesis testing, and bivariate associational statistics such as cross-table analysis, gamma, pearson correlation, and Analysis of Variance(ANOVA).

- **SOC 322 - Socialization: Childhood and Adolescence**

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(4)

Social-psychological approaches to socialization, from early childhood to adolescence. Emphasis on basic issues of social control and change. Topics are correlated with the California standards for the Multiple Subject Credential.

- **SOC 323 - Socialization: Maturity and Aging**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Emphasizes social-psychological approaches to socialization, and development. Addresses cultural variation as adulthood and aging change family and work relationships. Addresses issues of social control and change in a diverse world. Some sections of this course require service learning.

**GE Theme F ; Approved diversity course**

- **SOC 330 - Social Issues in the Urban Setting**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Social issues in urban setting; ethnic, cultural, and class diversity; cross-cultural comparisons; population and environmental concerns; and social planning.

**GE Theme D**

- **SOC 331 - The Dynamics of Poverty**

---

(4)

Service Learning Course Some sections to be offered online with required community service. Extent and characteristics of poverty in the United States. Analysis of the social construction of poverty, including theoretical background and myths. Socio-structural responses, change models, and community action are discussed. This course requires service learning. Student placements arranged through EPIC with community agencies are part of the course requirements.

- **SOC 341 - Sociology of Gender Roles**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of: research on changing roles of men and women across social institutions; social movements for equality; theories of gender role differentiation; historical, cross-cultural, and racial/ethnic/class variations.

**GE Theme C ; Approved diversity course**

- **SOC 348 - Class, Race/Ethnicity, and Gender**  
(also listed as AAAS 348, CHS 348, and PAS 348)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of social class, sex/gender, and ethnicity/race as bases of inequality and the processes by which inequalities are maintained or reproduced. Some course sections may require service learning. Some course sections may be offered online.

**GE Theme H ; Approved diversity course**

- **SOC 383 - Violence in American Society**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Forms of violence in American society (e.g., criminal, domestic, revolutionary, official, sexual) examined through a critical review of social scientific literature; assessment of causes, consequences, and possibilities for control.

**GE Theme B**

• **SOC 390 - Methods of Social Research**

---

(4)

Prerequisite: SOC 210AB. Application of scientific method to sociological data; research design, data collection, elementary analysis procedures; survey and experimental designs, measurement, scale, and index construction; and prediction models. With instructor consent, one unit of SOC 499 may be taken concurrently.

• **SOC 398 - Cooperative Education**  
(see UNIV 398)

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(1–4)

Cooperative Education

• **SOC 405 - Sociology Internships and Service Learning**

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(4)

Students link sociological concepts, empirical studies, public and applied sociology, and field research with internships and service learning in organizations outside CSULA, writing papers on service projects and sociological research. Lecture 2 hours, field work 4 hours. May be repeated once for credit. Graded CR/NC.

• **SOC 410 - Advanced Statistics**

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(4)

Prerequisites: SOC 210, SOC 310 and SOC 490, must have been completed with a grade of B or better and admission to ma program or consent of instructor. Specialized treatment of probability, prediction and correlation, analysis of variance and covariance, OLS regression analysis and regression models for limited dependent variables.

*Repeatability: In order to satisfy the SOC 590 and SOC 490 prerequisite requirements of a grade of B or better in this course, students may repeat SOC 410 if they fail to earn the required grade of B or better. Students may only repeat this course one time. The repeated course will not increase the unit-count toward graduation, nor will the repeated course grade replace the earlier grade earned in GPA calculations.*

• **SOC 412 - Classical Sociological Theory**

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(4)

Historical development of sociological theory with special reference to its European origins; e.g., Comte, Saint-Simon, Marx, Spencer, Durkheim, Simmel, and Weber.

• **SOC 414 - Contemporary Sociological Theory**

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(4)

Functionalism, conflict sociology, interactionism, critical-radical sociologies, systems analysis, and phenomenological perspective. Some course sections offer a service learning option.

• **SOC 415 - Political Sociology**

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(4)

Prerequisite: POLS 150 or SOC 201. Social factors underlying democracy and totalitarianism, social movements and revolutions, conflict and conflict resolution, voting behavior, and political socialization.

- **SOC 416 - Feminist Theories and Contemporary Society**  
(also listed as WOMN 416)

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(4)

Examination of the various feminist theories, all of which focus on some aspect of gender inequality. Implications of each theory and its applications to contemporary society are also discussed. Some course sections to be offered online.

- **SOC 418 - Crowd Behavior and Social Movements**

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(4)

Analysis of crowd types, formation, and dynamics, including mobs, riots, panics, mass hysteria, rumors, fads, and fashion. Development, tactics, ideologies, and effects of social movements, cults, and rebellions.

- **SOC 420 - Small Groups**

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(4)

Small group processes in industry, the family, schools, peer and colleague groups; reference-group behavior, relation to larger social systems, group structure and communication; development of research techniques.

- **SOC 421 - Social Sources of Human Sexuality**

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(4)

Effects of social environment on emergence, justification, and maintenance of sexual attitudes and behavior; social factors influencing sexual behavior; changing sociosexual mores and behavioral patterns, and emerging sexual life styles.

- **SOC 422 - Social Psychology**

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(4)

Inquiry into social-psychological dimensions of group behavior, emphasizing interactive processes involved in communication, group behavior, perception, attitude formation, motivation, socialization, and involvement of self-concept.

- **SOC 423 - Political Sociology of Globalization and Resistance**  
(also listed as POLS 423)

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(4)

Political and sociological analysis of globalization as a contested process; emergence of global societies and movements; social forces advancing global neo-liberalism; resistance by workers', indigenous, women's, and environmental transnational movements.

- **SOC 425 - Medical Sociology**

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(4)

Role of the hospital and socialization process on professional development of personnel in the healing professions; social epidemiology of physical and mental disorders.

- **SOC 426 - Deviant Behavior**

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(4)

Basic theoretical orientations to social and personal disorganization resulting from role conflict, social conflict, normlessness, or alienation; individual and social deviance related to group processes and structures.

- **SOC 427 - Society and Mental Illness**

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(4)

Lay and professional ideas about mental illness in historical and cross-cultural perspective; organizational treatment of the mentally ill; identity, stigma, and adaptations.

- **SOC 428 - Self and Identity**

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(4)

The development and maintenance of the sense of self or identity among children and adults, particularly emphasizing how understanding theories of the self contributes to community service. Service learning required.

- **SOC 430 - Urban Sociology**

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(4)

Urban community and urbanization as contemporary social process; consideration of urban areas, institutions, values, and problems; social and demographic characteristics, urban and suburban change and planning.

- **SOC 432 - Science, Technology, and Social Character**

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(4)

Effects of scientific and technological development upon social life and culture, especially family, work and leisure, modes of thinking and feeling. Differences among social classes, ethnic groups, women and men.

- **SOC 433 - Bioethics and Sociology**

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(4)

Sociological analysis of ethical and legal issues concerning health, including dilemmas in health care delivery, reproduction, the beginning and end of life, institutional ethics committees, genetic testing, and new medical technologies.

- **SOC 435 - Asian Societies**

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(4)

Comparative analysis and exploration of transformations in Asian societies, through historical and contemporary examination of institutions, education, development, urbanization, and deviance/crime.

- **SOC 438 - Sociology of Sport**

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(4)

Analysis of sport as a social institution and its interrelationship with other, dominant American social institutions and the process of globalization. Examining social diversity, stratification, and social construction in sports.

- **SOC 439 - Aging and Family Life**

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(4)

An overview of theory and research on family relations in adulthood and later life from a sociological perspective; examines how diversity (race/ethnicity, gender, class, and sexual orientation) affects older families.

- **SOC 440 - Marriage and the Family**

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(4)

The family as a social institution; historical and cross-cultural perspectives, social change as it affects marriage and family life. Analysis of American courtship and marriage patterns, psychodynamics of family life.

## **SOC 441 - Researching Gender in Social Institutions**

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(4)

Advanced sociological analysis of sex role differences; conducting research on differential treatment in social institutions; application of theoretical perspectives on gender.

## **• SOC 442 - Social Change**

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(4)

Classical and contemporary theories of sources and consequences of social change; revolutions and alternative routes to modern world; issues in historical sociology; change and social contexts of creative achievements in arts and sciences.

## **• SOC 443 - Diversity in Alternative Families**

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(4)

Cross-cultural examination of family diversity: Interracial/ ethnic relationships; minority and low-income single-parent households; same-sex and step-families; international/ethnic adoption; socio-legal implications of reproductive technologies.

## **• SOC 444 - Sociology of Popular Culture**

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(4)

Art, film, literature, music, and television are examined in terms of social roles, social processes, context, and the construction of meaning. Popular culture is studied as reflecting, reinforcing, or challenging norms.

## **• SOC 445 - Sociology of Religion**

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(4)

Social bases of religion, religious institutions, and their modern organizational life; comparative analysis and theories of religious behavior; religious institutions, their representatives, religious conflict, and public law.

## **• SOC 446 - Sociology of Business Organizations**

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(4)

The sociological understanding of control in different technical, structural, and commercial settings. Corporate culture, work subcultures, role constructions, and network processes are emphasized. Case studies are used.

## **• SOC 447 - Work and the Workplace**

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(4)

Analysis of the social world of work: occupational trends and mobility, education and skills, meaningful work, alienation and stress, inequality and discrimination, globalization; study of selected occupations, professions, and workplaces.

## **• SOC 448 - Social Class and Inequality**

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(4)

Examination of sociological theory and research bearing on social stratification; social differentiation: class position, class interests, correlates of social class; trends in occupational mobility; comparison of stratification systems.

## **• SOC 449 - Professionals in Society**

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(4)

Lawyers, doctors, and other professionals and their relationships with clients, managers, and unions; professional ethics, white-collar crime, and whistle blowing; stratification by class, race, and gender; technology and professional control.

- **SOC 450 - Sociology of Aging**

---

(4)

Aging as a social process; emphasis on sociological theories of aging and social problems of the aged; nature of aging process, work, retirement, family relationships, housing, income maintenance; societal response to aged.

- **SOC 452 - Life Span Transitions: The Retirement Years**

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(4)

Critical evaluation of issues involved in planning for retirement; changing place of work and retirement in value system; anticipatory behavior, patterns and modes of adjustment, maladjustment; proposals and issues.

- **SOC 453 - Social Aspects of Death and Bereavement**

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(4)

Concepts and theories of dying; meaning of death and its implications for dying persons, survivors, and professionals who attend them.

- **SOC 454 - Selected Topics in Sociology**

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(1-6)

Current topics of special interest in sociology, as announced in Schedule of Classes. May be repeated for credit.

- **SOC 460 - Race and Ethnic Relations**

---

(4)

Structure and change of minorities in society; theories and research: historical, contemporary, and comparative; processes of adjustment: patterns of immigration, prejudice, discrimination, assimilation, pluralism, conflict, and social movements.

- **SOC 479 - Drug Use and Public Policy**

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(4)

Theoretical analysis, historical trends, and current use of recreational psychoactive drugs. Crime and economics of the drug trade. Macro-social preventions, legal responses, and alternative solutions to drug use problems.

- **SOC 480 - Criminology**

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(4)

Criminal law, crime, and deviance. Social and psychological factors in criminal behavior, criminal law, and criminal justice; prevention and control; trends in theory and correctional procedures.

- **SOC 481 - Policing America**

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(4)

Social role of American police. Historical, political, and social contexts of policing. Selected issues; the controversial police mandate, use-of-force/accountability, community policing, the future of policing in America.

- **SOC 482 - Juvenile Delinquency**

---

(4)

Extent and distribution of delinquency, with emphasis on the local area; meaning, implications, and treatment of delinquent behavior; personal and environmental conditioning factors; delinquency and the rights of children.



## • **SOC 483 - Sociology of Human Rights**

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(4)

Social, historical, political, legal, and cultural developments in the Sociology of Human Rights field; the role of moral boundaries in governance, politics, and the law in the exercise of power.

## • **SOC 485 - Conflict and Domestic Violence**

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(4)

Sociological aspects of domestic violence in families (e.g., child, spouse, and elder abuse) examined in relation to ethnic, social, cultural, historical, economic, and political factors that affect individual behavior.

## • **SOC 487 - Environmental Policy, Law, and Society**

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(4)

Sociological aspects of environmental policy and law; relationship between societies and environmental problems regarding air and water quality, endangered species, toxic chemicals, energy, and natural resources; policy tools and analysis.

## • **SOC 488 - Sociology of Law**

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(4)

Sociological perspectives on the relationship between law, culture, politics, the economy, and community; creation of law and its impact on class, race, and gender relationships; impact of globalization on law.

## • **SOC 490 - Quantitative Research Methods in Sociology**

---

(4)

Prerequisite: SOC 390 and admission to MA program or consent of instructor. Advanced research techniques used for generating quantitative data in sociology, including hypothesis construction, measurement and causal validity, sampling, survey methods, experiments, comparative historical analysis and scaling.

*Repeatability: in order to satisfy the SOC 590 prerequisite requirement of a grade of B or better in this course, students may repeat SOC 490 if they fail to earn the required grade of B or better. Students may only repeat this course one time. The repeated course will not increase the unit-count toward graduation, nor will the repeated course grade replace the earlier grade earned in GPA calculations.*

## • **SOC 491 - Qualitative Research Methods in Sociology**

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(4)

Prerequisite: SOC 390 and admission to ma program or consent of instructor. Qualitative research techniques in sociological research: research in field settings, problems of participant observation and interviewing, document analysis, typology construction, qualitative data interpretation and presentation.

*Repeatability: In order to satisfy the SOC 590 prerequisite requirement of a grade of B or better in this course, students may repeat SOC 491 if they fail to earn the required grade of B or better. Students may only repeat this course one time. The repeated course will not increase the unit-count toward graduation, nor will the repeated course grade replace the earlier grade earned in GPA calculations.*

# Course Descriptions

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## Sociology (Undergraduate)

*SOC 201 normally is prerequisite to all upper division courses in sociology and may be waived only with instructor consent.*

*All 400-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **SOC 495 - Senior Capstone Seminar**

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(4)

Prerequisite: Senior Sociology standing. Students will critically reflect upon, integrate, and apply the concepts learned in previous sociology courses. Involves in-class discussion of the discipline, completion of individual papers, and individual oral presentations.

- **SOC 496 - Law and Society Honors Thesis**

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(4)

Prerequisites: senior standing and admission to Law and Society Option Honors Program. Independent sociological research in law and society; regular consultations with faculty research adviser and written thesis required. Graded CR/NC. May be repeated once for credit.

- **SOC 497 - Proseminar: Introduction to Graduate Studies, the Discipline, and the Profession**

---

(4)

Prerequisite: Admission to MA program or consent of instructor. Must be completed with a grade of B or above prior to taking SOC 512 and SOC 514. Survey of institutional history of sociology; current state of the field; careers, professional associations; competing conceptions of sociology.

*Repeatability: in order to satisfy the SOC 512 and 514 prerequisite requirements of a grade of B or better in this course, students may repeat SOC 497 if they fail to earn the required grade of B or better. Students may only repeat this course one time. The repeated course will not increase the unit-count toward graduation, nor will the repeated course grade replace the earlier grade earned in GPA calculations.*

- **SOC 498 - Cooperative Education**

(see UNIV 498)

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(1–4)

Cooperative Education

- **SOC 499 - Undergraduate Directed Study**

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(1–4)

Prerequisites: Senior standing, 2.75 overall grade point average, consent of a faculty sponsor, approval of proposed project prior to registration, and ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. May be repeated for credit.

### **Sociology (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission for all 500-level courses.*

- **SOC 512 - Seminar: History of Sociological Theory**

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(4)

Prerequisite: Completion of SOC 497 with a grade of B or above. Historical dimensions, European and American, of development of systematic sociological theory and method; continuity and critique of major contributions to theories of society and the social processes.

- **SOC 514 - Seminar: Contemporary Sociological Theory**

---

(4)

Prerequisite: Completion of SOC 497 with a grade of B or above. Exploration and critique of problems, methods, and theories characteristic of contemporary sociological inquiry; their relationship and contribution to advancement of sociological theory and application to selected social problems.

- **SOC 521 - Seminar: Sociology of Knowledge**

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(4)

Relationships of scientific, artistic, legal, and intellectual activities to social structure, institutions, and historical change.

- **SOC 522 - Seminar: Social Psychology**

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(4)

Prerequisite: Prior completion of SOC 422 or equivalent recommended. Analysis and critique of current approaches and investigations of the social processes that bind individuals and groups.

- **SOC 526 - Seminar: Sociology of Deviant Behavior**

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(4)

Prerequisites: SOC 426, instructor consent. Analysis of major theoretical approaches and empirical studies in deviance; selected topics and current issues in study of social deviance.

- **SOC 530 - Seminar: Urban Social Systems**

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(also listed as GEOG 530)

(4)

Prerequisite: Instructor consent. Growth and nature of urban social systems in selected cities and metropolitan areas, theories of urban structure and problems, improving quality of urban life, comparisons of cities in various countries.

- **SOC 534 - Seminar: Population**

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(4)

Prerequisite: SOC 434. Problems of population growth; social and psychological factors in population dynamics; population planning and policy.

- **SOC 540 - Seminar: Marriage and the Family**

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(4)

Advanced study of sociopsychodynamics of marriage and the family; emphasis on recent research on family change, parent-child relationships, and family instability; successful family life.

- **SOC 541 - Seminar: Gender and Labor**

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(4)

Advanced study of the sources and consequences of gender differentiation and inequality. Particular attention paid to occupations, earnings, household work, interactions between gender and race, and feminist perspectives.

- **SOC 544 - Seminar: Social Organization, Institutions, and Change**

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(4)

Selected macrosocial structures and their related processes and functions: total societies, institutions, complex organizations; the influence of class, ethnonational groups, and gender on them; social change. Emphasis varies.

- **SOC 560 - Seminar: Racial and Ethnic Minorities**

---

(4)

Prerequisite: SOC 460 recommended. Examination in depth of critical problems and trends affecting American minority groups; emphasis on analysis of change in strategies, tactics, ideologies, theories, and consequences of minority group relations.

- **SOC 580 - Seminar: Criminology**

---

(4)

Prerequisite: SOC 480. Advanced study of criminal behavior, social deviance, and social structure; comparative studies of contemporary criminality, criminal justice, and criminal codes; legal, medical, and psychiatric interpretation of criminal behavior.

- **SOC 584 - Seminar: Corrections**

---

(4)

Advanced study of sociological aspects of treatment of offender from arrest to release process; discussion of cross-cultural practices and current theories.

- **SOC 590 - Seminar: Sociological Research**

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(4)

Prerequisites: SOC 410, 490 and SOC 491 must have been completed with grades of B or above prior to taking this class. Advanced study in behavioral research methodology; qualitative methods; survey design; experimental design, analysis; problems of interpretation; scaling techniques, models, simulation, computer data analysis; supervised application of methods.

- **SOC 593 - Teaching Sociology at the College Level**

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(4)

Prerequisite: Advancement to Candidacy with a graduate program GPA of 3.0 or above. May be taken alone or concurrently with SOC 594. Higher educational pedagogy training in sociology instruction. Includes: lecture; group discussion; multi-modal teaching and learning styles; creating syllabi, lessons, class materials, and exams; grading practices; course and student outcomes assessment. ABC/NC.

- **SOC 594 - Teaching Sociology Internship**

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(3)

Prerequisite: Advancement to Candidacy with a graduate program GPA of 3.0 or above. May be taken alone or concurrently with SOC 593. This is a classroom-based internship. Mentor professor determines internship role (running discussion groups, guest lecturing). Non-traditional grading system. CR/NC.

- **SOC 595 - Special Topics in Sociology**

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(4)

Prerequisite: Instructor consent. Special topics in sociology including critical areas of social inquiry and special problems of sociology. Content varies; see Schedule of Classes for specific topic. May be repeated once for credit.

- **SOC 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Master's) Degree section of this chapter.

- **SOC 597 - Graduate Research**

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(1–3)

Prerequisite: Consent of faculty sponsor. Proposed study must be approved prior to registration. Directed empirical research on a problem in sociology from conception through design; data gathering, analysis, and final written report. May be repeated for credit. Graded CR/NC.

- **SOC 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Consent of faculty sponsor. Proposed study must be approved prior to registration. Directed reading and critical analysis of a problem in sociology; written reports and conferences. May be repeated for credit.

- **SOC 599 - Thesis**

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(1–3)

Prerequisites: Advancement to Candidacy, A grade of B or better in each of SOC 512, 514, and 590, prior to enrolling in SOC 599, Thesis proposal draft approved by the official thesis committee, and compliance with all College and Departmental thesis process policies. Independent research resulting in a thesis which will be presented in a formal public defense. Must be repeated to a maximum of 6 units. Two units for each of three, quarters strongly recommended. Graded CR/NC.

## **Spanish (Undergraduate)**

*All Upper Division courses are conducted in Spanish.*

- **SPAN 100A - Elementary Spanish for Non-Heritage Speakers**

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(4)

Prerequisite: Course limited to non-heritage speakers. Must be taken in sequence. Placement test option. Also see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of Spanish through listening, speaking, reading, and writing practice. Introduction to the culture, of the Hispanophone people.

**GE C4**

- **SPAN 100B - Elementary Spanish for Non-Heritage Speakers**

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(4)

Prerequisite: Course limited to non-heritage speakers. Must be taken in sequence. Placement test option. Also see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of Spanish through listening, speaking, reading, and writing practice. Introduction to the culture, of the Hispanophone people.

**GE C4**

- **SPAN 100C - Elementary Spanish for Non-Heritage Speakers**

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(4)

Prerequisite: Course limited to non-heritage speakers. Must be taken in sequence. Placement test option. Also see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of Spanish through listening, speaking, reading, and writing practice. Introduction to the culture, of the Hispanophone people.

**GE C4**

- **SPAN 105 - Elementary Spanish for Heritage Speakers**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Course limited to heritage learners of Spanish. Placement test option. Methodical presentation of the fundamental grammatical structures of Spanish with an emphasis on reading comprehension, vocabulary building, writing and culture. Credit allowed for only one of SPAN 100ABC or SPAN 105.

**GE C4**

- **SPAN 110 - Spanish Conversation for Professions**

---

(4)

Prerequisite: SPAN 100A. Course in Spanish conversation which focuses, according to student need, upon vocabulary used in medicine, law enforcement, or the social sciences. Basic grammar presented inductively. May be repeated for credit. May not be taken for credit by Spanish majors. Graded CR/NC.

- **SPAN 200A - Intermediate Spanish Non-Heritage Speakers**

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(4)

Prerequisite: SPAN 100ABC or placement test; course limited to non-heritage speakers. Must be taken in sequence. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Spanish; grammar review; vocabulary building; writing skills; study of the culture of the Hispanophone people.

**GE C4**

- **SPAN 200B - Intermediate Spanish Non-Heritage Speakers**

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(4)

Prerequisite: SPAN 100ABC or placement test; course limited to non-heritage speakers. Must be taken in sequence. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Spanish; grammar review; vocabulary building; writing skills; study of the culture of the Hispanophone people.

**GE C4**

- **SPAN 200C - Intermediate Spanish Non-Heritage Speakers**

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(4)

Prerequisite: SPAN 100ABC or placement test; course limited to non-heritage speakers. Must be taken in sequence. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Spanish; grammar review; vocabulary building; writing skills; study of the culture of the Hispanophone people.

**GE C4**

- **SPAN 205A - Intermediate Spanish for Heritage Speakers**

---

(4)

Prerequisite: SPAN 105 or placement test. Course limited to heritage learners of Spanish. Ability to speak Spanish, and basic knowledge of written Spanish. Must be taken in sequence. Non-heritage (SPAN 200ABC) and heritage (SPAN 205AB) courses may not be mixed; students will receive credit for either SPAN 200A (B, C) or SPAN 205A (B), but not for both. Also see departmental "Limitation on Language Credit" policy in this catalog. Emphasis on reading comprehension, vocabulary building, and writing; study of the culture of the Hispanophone world. SPAN 205AB may include a service learning option.

**GE C4**

- **SPAN 205B - Intermediate Spanish for Heritage Speakers**

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(4)

Prerequisite: SPAN 105 or placement test. Course limited to heritage learners of Spanish. Ability to speak Spanish, and basic knowledge of written Spanish. Must be taken in sequence. Non-heritage (SPAN 200ABC) and heritage (SPAN 205AB) courses may not be mixed; students will receive credit for either SPAN 200A (B, C) or SPAN 205A (B), but not for both. Also see departmental "Limitation on Language Credit" policy in this catalog. Emphasis on reading comprehension, vocabulary building, and writing; study of the culture of the Hispanophone world. SPAN 205AB may include a service learning option.

**GE C4**



- **SPAN 242 - Hispanic Literature and Drama in Translation**

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(4)

Study of significant Hispanic literary and dramatic texts in English translation. No knowledge of Spanish required.

**GE C1**

- **SPAN 300A - Advanced Composition and Grammar**

---

(4)

Prerequisite: SPAN 200C or 205B. Must be taken in sequence. Review of orthography and grammatical structures needed for linguistic accuracy in written communication. Practice in writing essays, including, but not limited to, description, narration, exposition, and argumentation. Introduction to MLA style.

- **SPAN 300B - Advanced Composition and Grammar**

---

(4)

Prerequisite: SPAN 200C or 205B. Must be taken in sequence. Review of orthography and grammatical structures needed for linguistic accuracy in written communication. Practice in writing essays, including, but not limited to, description, narration, exposition, and argumentation. Introduction to MLA style.

- **SPAN 305 - Introduction to Spanish Linguistics**

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(4)

Prerequisite: SPAN 300A. Basic concepts of linguistics as applied to Spanish language; introduction to historical development of Spanish and regional dialects including Spanish spoken in the U.S.

- **SPAN 310 - Spanish Civilization**

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(4)

Prerequisite: SPAN 200C or 205B. Synthesis of cultural characteristics of Spain.

- **SPAN 315 - Spanish-American Civilization**

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(4)

Prerequisite: SPAN 200C or 205B. Synthesis of cultural characteristics of Spanish America.

- **SPAN 320 - Phonetics and Phonology**

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(4)

Prerequisite: SPAN 305. Production of Spanish sounds, analysis of intonation, rhythm,

accentuation, vowel linkage; study of the phonological system of Latin American Spanish and of dialectal and sociolinguistic variation across the Spanish-speaking world.

- **SPAN 350 - Fundamentals of Translation**

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(4)

Prerequisite: SPAN 300B. Intensive study of art of translation; practice in English-to-Spanish and Spanish-to-English translation.

- **SPAN 380 - Commercial Spanish**

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(4)

Prerequisite: SPAN 300B. NIS account required. Intensive study of Spanish used in business Spanish; theory and practice of fundamentals of commercial correspondence and negotiation in Spanish; translation of English commercial documents into Spanish; introduction to the socio-economic panorama of Spanish-speaking countries.

- **SPAN 395N - Spanish in Community Service**

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(1–4)

Prerequisites: SPAN 300B, approval of departmental faculty adviser in consultation with EPIC director, acceptance by community agency. Participation in work of a community agency or program utilizing communication skills in Spanish. May be repeated once to maximum of 6 units. Graded CR/NC.

- **SPAN 397 - Field Work in Spanish**

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(1–4)

Prerequisites: To be established by coordinator in consultation with host organization. Field work and internships in occupations in which communication skills in Spanish can be used and perfected. Minimum of 4 hours per week per credit hour. May be repeated to maximum of 4 units. Graded CR/NC.

- **SPAN 400A - Spanish Morphology**

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(4)

Prerequisites: SPAN 305 and SPAN 300B. Study of parts of speech with attention given to nominal and verbal inflections, pronominal paradigms, and morphological structure of derived and compound Spanish words.

- **SPAN 400B - Syntax**

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(4)

Prerequisite: SPAN 400A. Comprehensive review of Spanish syntax; analysis of structure of simple and complex sentences.

- **SPAN 401 - Introduction to Literary Analysis**

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(4)

Prerequisite: SPAN 300B. Introduction to major forms and aesthetic concepts of, and critical approaches to, Hispanic literature.

- **SPAN 402 - Spanish in the United States**

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(4)

Prerequisite: SPAN 305. Description of main varieties of Spanish in the US and then history. Communicative practices of bilingual Hispanics in this country and the phenomenon of Spanglish. Community attitudes toward language identity.

- **SPAN 403 - Topics in Spanish Applied Linguistics: Languages in Contrast**

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(4)

Prerequisites: SPAN 400B, ENGL 305. Addresses issues of Spanish applied linguistics relevant for teachers of Spanish in the US. Topics treated at both conceptual and language-specific levels from a cross-linguistic, cross-cultural perspective.

- **SPAN 408 - Spanish Literature I**

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(4)

Prerequisite: SPAN 401. Introduction to Spanish literature from medieval period through the Golden Age.

- **SPAN 410 - Spanish Literature II**

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(4)

Prerequisite: SPAN 401. Introduction to Spanish literature from 1700 to present.

- **SPAN 411 - Spanish-American Literature I**

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(4)

Prerequisite: SPAN 401. Spanish-American literature from the Conquest to 1888.

- **SPAN 413 - Spanish-American Literature II**

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(4)

Prerequisite: SPAN 401. Spanish-American literature from 1888 to present.

- **SPAN 414 - Don Quixote de la Mancha**

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(4)

Prerequisite: SPAN 408. Reading and analysis of Don Quixote de la Mancha.

- **SPAN 417 - Spanish-American Short Story**

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(4)

Prerequisite: SPAN 413. Spanish-American short story from the Tradiciones of Ricardo Palma to the present.

- **SPAN 418 - Golden Age Poetry and Prose**

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(4)

Prerequisites: SPAN 401, 408. Reading and analysis of prominent poetry and prose writers of the Spanish Golden Age.

- **SPAN 419 - Colonial Spanish-American Literature**

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(4)

Prerequisite: SPAN 411. Intensive study of colonial masterworks including prose, poetry, and theatre.

- **SPAN 421 - Mexican Literature of Twentieth Century**

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(4)

Prerequisite: SPAN 413. Intensive study of significant works and movements of Mexican literature from 1900 to present.

- **SPAN 424 - Golden Age Drama of Spain**

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(4)

Prerequisite: SPAN 408. Principal Spanish dramatists of the Golden Age; their thematic, poetic, social, and historical values and their influence on and contrast to subsequent literary history.

- **SPAN 426 - Nineteenth Century Spanish Novel**

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(4)

Prerequisite: SPAN 410. Intensive study of novelists of 19th century Spain.

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## **SPAN 428 - The Generation of 1898**

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(4)

Prerequisite: SPAN 410. Intensive study of poets, novelists, and essayists who promoted literary revival following 1898.

- **SPAN 429 - Nineteenth Century Spanish-American Literature**

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(4)

Prerequisite: SPAN 411. Intensive study of 19th century masterworks including novel, poetry, and theatre.

- **SPAN 431 - Spanish-American Testimony**

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(4)

Prerequisites: SPAN 315, 401. Study of Spanish-American testimonial narratives as a specific discursive and cultural genre. Theory, of "Testimony" and major testimonial works of Spanish American history.

- **SPAN 435 - Ruben Dario and Modernismo**

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(4)

Prerequisite: SPAN 413. Analysis of representative works of modernist movement writers in Spanish America; their influences on literature of contemporary period. Lectures and reports in Spanish.

- **SPAN 440 - Hispanic Film**

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(4)

Prerequisite: SPAN 401. History and development of film in the Spanish speaking world; study of cultural, historical and language diversity; film adaptations of literary works and original films. Course taught in Spanish.

- **SPAN 445 - Journalism in Spanish**

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(4)

Prerequisites: SPAN 300AB. This course focuses on developing Spanish writing skills, methods and techniques for all platforms of news media: print, radio, television and electronic media. Taught in Spanish.

- **SPAN 446 - Essays and Articles in Spanish**

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(4)

Prerequisite: SPAN 401. Critical examination of the essay genre and the press in Spain and

Latin America from the 18th century to the present.

- **SPAN 450 - Applied Spanish Journalism – Practicum**

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(4)

Prerequisite: SPAN 445. This course introduces students of Spanish Journalism to all practical aspects of news gathering, production, editing and dissemination for all platforms of news media: print, radio, television as well as electronic media. Taught in Spanish.

- **SPAN 451 - Styles and Techniques of Poetry in Spanish**

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(4)

Prerequisite: SPAN 401. Introduction to the craft of writing poetry through creative writing projects, and analysis of poetry and poetics by Spanish and Latin American poets. Intensive writing activities.

- **SPAN 453 - Script Writing for Fiction Film in Spanish**

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(4)

Prerequisite: SPAN 401 or consent of instructor. Introduction to literary analysis. Introduction to the craft of writing for fiction film in Spanish. This is a class that studies the creative process of filmmaking from a screenwriting perspective through writing projects and analysis of a variety of fiction film screenwritings by Hispanic writers and directors. Taught in Spanish.

- **SPAN 454L,P - Special Topics in Spanish**

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(1–4)

Prerequisites: As needed for specific topic. Current topics of special interest in Spanish as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- **SPAN 455 - Fiction Writing in Spanish**

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(4)

Prerequisite: SPAN 401. Introduction to the art and craft of writing narrative fiction in Spanish. Taught in Spanish.

- **SPAN 459 - Hispanic Play Production**

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**(Also listed as TA 459)**

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(3–4)

Prerequisite: Completion of intermediate Spanish. Introduction to major forms of Spanish drama; mechanics and production of a major work of Hispanic theatre. May be repeated to a total of 6-8 units of which a maximum of 4 may apply to major.

- **SPAN 460 - Proseminar: Advanced Placement Hispanic Authors**

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(4)

Prerequisites: Three Upper Division literature courses, including relevant introductory literature course. Outstanding Spanish and Spanish-American writers from Middle Ages to present. May be repeated to a maximum of 8 units as subject matter changes.

- **SPAN 461 - Proseminar in Hispanic Linguistics**

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(4)

Prerequisite: SPAN 400B. Changing topics in Hispanic linguistics, with emphasis on the broad relationship between language, culture, and society.

- **SPAN 471 - Spanish-American Literature and Original Populations**

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(4)

Prerequisites: SPAN 315, 401. Study of those Spanish- American literary masterpieces that are based on the Amerindian cultures and languages. Theory of transculturation and cultural heterogeneity.

- **SPAN 472 - 20th and 21st Century Spanish Prose**

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(4)

Prerequisite: SPAN 410. An exploration of the development of prose fiction in Spain throughout the Twentieth and Twenty- First centuries. Novels and short stories by representative authors will be studied.

- **SPAN 475 - Proseminar: Spanish-American Theatre**

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(4)

Prerequisite: SPAN 413. Intensive study of selected Spanish- American playwrights from 17th century to present.

- **SPAN 483 - Contemporary Spanish-American Novel**

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(4)

Prerequisite: SPAN 413. Intensive study of the Spanish- American novel after 1910.

- **SPAN 485 - Southern Cone Fiction**

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(4)

Prerequisite: SPAN 413. Representative works of Chilean, Argentine and Uruguayan prose fiction.

- **SPAN 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated to a maximum of 8 units for credit.

## **Spanish (Graduate)**

*Classified graduate standing is required for admission to all 500 level courses.*

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: SPAN 400AB, 401, 403, 408, 410, 411, 413, 440, 454, 459*

- **SPAN 500 - Academic Writing in Spanish**

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(4)

Prerequisite: SPAN 401. Theory and practice of advanced scholarly writing in Spanish. Introduction to discourse analysis and the theory of argumentation; contrastive rhetoric and elements of style; research of electronic databases; and academic style sheets.

- **SPAN 501 - Development of Spanish Language**

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(4)

Prerequisite: SPAN 320. Scientific analysis of written and spoken Spanish from its inception through its current use in the Hispanic world.

- **SPAN 504 - Studies in Medieval Literature**

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(4)

Prerequisites: SPAN 408, 410. Principal Spanish literary works dating from twelfth to sixteenth century; their significance in historical development of various genres; their influence on subsequent literary history.

- **SPAN 507 - Literary Theory**

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(4)

Prerequisite: SPAN 401. Study of contemporary literary theories, Hispanic critical thought and text interpretation.

- **SPAN 510 - Sociolinguistic Patterns in Spanish**

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(4)

Prerequisite: SPAN 305. Principles of sociolinguistics and dialectology; sociolinguistic patterns in Hispanic languages; social and geographic language varieties including main features of Spanish in U.S.

- **SPAN 540 - Seminar: Spanish Poetry from Romanticism to the Present**

---

(4)

Prerequisites: SPAN 408, 410. Comprehensive and intensive study of Spanish poetry from the Romantic period to present. The poets and their poetry will be studied in light of literary movements, influence, political and philosophical ideas.

- **SPAN 545 - Seminar: Contemporary Spanish-American Poetry After Ruben Dario**

---

(4)

Prerequisites: SPAN 411, 413. Intensive study of Spanish American poets after Dario, including Mistral, Storni, Neruda, Vallejo, Guillen, Paz, Borges, and Cardenal. Literary Movements include Latin American posmodernismo, avant guard and post – avant guard.

- **SPAN 575 - Seminar: Hispanic Literature**

---

(4)

Prerequisites: SPAN 408 and 410 or 411 and 413. Intensive study of significant works of selected period in Spanish or Spanish-American literature. May be repeated to a maximum of 8 units as subject matter changes.

- **SPAN 583 - Seminar: Contemporary Hispanic Prose**

---

(4)

Prerequisites: SPAN 408 plus 410 or 411 plus 413. Recent Hispanic prose (novel, short story, essay); focus on Spanish or Spanish-American authors in alternate years. May be repeated to a maximum of 8 units for credit as subject matter changes.

- **SPAN 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **SPAN 598 - Graduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 8 units for credit.

## **Special Education (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 403, 407, 489.*

- **COUN 301 - Writing for Rehabilitation Services**

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(4)

Prerequisites: ENGL 102, satisfactory completion of Graduation Writing Assessment Requirement (GWAR). Reading, writing, and reasoning skills for communicating information in the context of rehabilitation services. Intensive practice in writing abstracts, reports, reviews, and other documents in the field. Graded A, B, C/NC.

- **COUN 301 - Writing for Rehabilitation Services**

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(4)

Prerequisites: ENGL 102, satisfactory completion of Graduation Writing Assessment Requirement (GWAR). Reading, writing, and reasoning skills for communicating information in the context of rehabilitation services. Intensive practice in writing abstracts, reports, reviews, and other documents in the field. Graded A, B, C/NC.

- **EDSP 300 - Introduction to Special Education**

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(4)

Learning theories, strategies, classroom management in multicultural communities. Verification of a minimum 45 hours participation with students without disabilities in general education settings. Required for the Education Specialist credential in special education.

- **EDSP 301 - Individuals with Disabilities in Contemporary Society**

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(3)

Introduction to the construct of disability and services and accommodations which enable individuals to participate fully in all aspects of life. Participation in a minimum of ten hours of service learning activities that meet community needs. This course requires service learning.

- **EDSP 400 - Foundations of Special Education**

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(4)

Legal, historical, and practice-based foundations of special education. Classification systems, characteristics, and individualization of services for students with disabilities and/or gifts and talents. Implications of risk factors for health and development.

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## Course Descriptions

### Special Education (Undergraduate)

All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 403, 407, 489.

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#### • EDSP 403 - Special Education Laboratory

(1–5)

Prerequisite: EDSP 400. Practicum field experience with individuals with exceptional needs in designated areas of special education. Graded CR/NC.

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#### • EDSP 406 - Observation in Orientation and Mobility

(1)

Prerequisite: Instructor consent. Opportunity for firsthand experience and observations in education and rehabilitation programs in orientation and mobility in general education and specialized settings. May be repeated to maximum of 2 units. Graded CR/NC.

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#### • EDSP 407 - Directed Teaching in Special Education

(3–12)

Prerequisites: See Directed Teaching requirements; 12 units of directed teaching in an area of special education other than speech and hearing may be used to satisfy requirement for equivalent amount on teaching credential. Assignments in city and county schools under supervision and guidance of qualified teacher and University supervisor. Graded CR/NC.

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#### • EDSP 408 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs

(4)

Theories and sequences of cognitive, linguistic, and literacy development Impact of disabilities and culture; informal techniques of assessment of communication skills.

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#### • EDSP 409 - Assessment for Individuals with Exceptional Needs in Diverse Educational Settings

(4)

Prerequisite or Corequisite: EDSP 300 or concurrent and EDSP 400. Principles, procedures, interpretation, communication, and application of formal/informal assessment techniques for individuals with exceptional needs in diverse educational settings. Using assessment data to develop IEPs and select appropriate curriculum.

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#### • EDSP 412 - State Standards and the Individualized Education Program

(2)

Information related to state and national curriculum standards, writing individualized education programs, and lesson planning, for students with special needs.

- **EDSP 413 - Student Behavior and Social Interaction Skills: Support for Individuals with Special Needs**

---

(4)

Prerequisites EDSP 300 or concurrent and EDSP 400. Introduction to issues related to facilitation of appropriate behavior and social interaction skills of students with special needs. Principles and application of behavioral support and intervention will be discussed.

- **EDSP 416 - Working with Families of Young Handicapped Children**

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(4)

Prerequisites: EDSP 400, course work in child development. Techniques for teachers and other professionals working with families of young handicapped children in infant and preschool programs.

- **EDSP 420 - Implications of Communication Handicaps**

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(4)

Prerequisite: EDSP 400. Survey of educational, psychological, and vocational implications of communication handicaps; emphasis on impact of auditory impairment.

- **EDSP 430 - Sign Language**

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(3)

Methods of manual communication and relationships to other forms of communication; use of nonoral communication in therapeutic and educational settings.

- **EDSP 431A - Laboratory: Sign Language, Beginning**

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(1)

Intensive sign language practice in the habilitation of prelingually hearing impaired individuals.

- **EDSP 440 - The Gifted Individual I**

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(4)

Characteristics, needs, and identification of gifted individuals, with emphasis on early nurture. Problems of personal, educational, and social development of gifted individuals; overview of current and innovative programs.

- **EDSP 441 - The Gifted Individual II**

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(4)

Prerequisite: EDSP 440. Strategies for education of gifted individuals, prekindergarten through grade 12. Methods of assessment; program planning to meet individual needs; evaluation of development. Emphasis on developing higher cognitive skills, including techniques of inquiry, simulation, open structure, and problem solving.

- **EDSP 450 - Teaching Students with Mild to Severe Disabilities**

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(4)

Prerequisite: EDSP 409. Teaching students with mild to severe disabilities in elementary and secondary settings. Focus on language arts, literacy, communication, mathematics, critical thinking and social competence.

- **EDSP 451 - Curriculum and Instructional Methods for Individuals with Moderate/Severe Disabilities**

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(4)

Prerequisite EDSP 409. Assessment and instruction of students with moderate to severe disabilities including autism; writing IEP and lesson plans that align with state standards; making instructional modification and adaptations; and co-teaching and consultations.

- **EDSP 452 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities**

---

(4)

Prerequisite: EDSP 409; EDSP 407 for graduate and post-baccalaureate students. Instructional planning and strategies, adaptation of general education curriculum materials, strategic learning, differentiation of instruction. Approaches to collaborative teaching for students with mild-to-moderate disabilities.

- **EDSP 460 - Implications of Physical and Health Impairments**

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(4)

Prerequisite: EDSP 462. Impact of physical and health impairments on psychological and sociological interactions and outcomes; implications for lifespan development, career preparation, and independent living.

- **EDSP 462 - Understanding Physical, Health, and Multiple Disabilities**

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(4)

Prerequisite: EDSP 400. Understanding physical, health, and multiple disabilities, including neuromotor impairments, traumatic brain injury, degenerative diseases, orthopedic/musculoskeletal disorders, health impairments, major chromosomal anomalies/syndromes, and infectious diseases. Development, treatment, and implications.

- **EDSP 463 - Augmentative/Alternative Communication and Assistive Technology in Special Education**

---

(4)

Prerequisites: EDSP 400, 408. Assistive technology to meet educational needs of individuals with severe disabilities. Emphasis on assessment, design, and implementation of augmentative and alternative communication technologies for persons with severe communication challenges.

- **EDSP 464 - Assessment and Curricular Adaptations for Individuals with Physical, Health, and Multiple Disabilities**

---

(4)

Prerequisite: EDSP 409. Assessment and curricular adaptations for individuals with physical, health, and multiple disabilities. Modification of academic content areas, the arts, and functional academic curriculum. Emphasis on low and high assistive technology.

- **EDSP 465 - Medical Aspects of Visual Impairments**

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(3)

Prerequisite or corequisite: EDSP 400 or instructor consent. Anatomy, physiology, and pathology of the eye; principles of optics, low vision devices; components of an eye exam and report; vision screening programs. (Lecture 3 hours).

- **EDSP 465L - Functional Low Vision Assessment**

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(1)

Prerequisite or concurrent enrollment: EDSP 465. Principles of functional low vision assessment including techniques for administering assessments to infants/toddlers, school-age children, and children with multiple disabilities. Practical applications and implications for educational programming.

- **EDSP 466 - Literary Braille and Strategies for Learners with Visual Impairments**

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(4)

Prerequisites or concurrent enrollment: EDEL 415 or instructor consent. Specialized communication skill fundamentals including uncontracted/contracted literary Braille slate & stylus, computer Braille, and Braille reading. Instructional strategies, assessment, and issues for English language learners in literacy for visually impaired students. NOTE: This course will be offered through a distance learning model that uses Web-based learning, students must be proficient in, and have access to current technology (hardware and software). They must be proficient in using e-mail and sending attachments.

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- **EDSP 466L - Learning Media Assessment for Students with Visual Impairments Laboratory**

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(1)

Prerequisite or concurrent enrollment: EDSP466 or Instructor Consent. Principles of learning media assessments including techniques for determining print size and administering learning-media assessments for students with visual impairments, including pre-readers, children with degenerative prognoses, and students with additional disabilities. (Lecture 0 hours, laboratory 3 hours)

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- **EDSP 468 - Working with Students who are Visually Impaired and who have Additional Disabilities**

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(2)

Prerequisite or concurrent enrollment in EDSP 400 or instructor consent. The focus of this course is instructional strategies for students who are visually impaired and who have additional disabilities. Will address task-analysis, behavior, communication, and functional skills within the Expanded Core Curriculum (ECC). Note: This course will be offered through a distance learning model that uses web-based learning, students must be proficient in, and have access to current technology (hardware and software), and be proficient in using e-mail, including sending attachments.

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- **EDSP 469 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness**

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(4)

Implications of visual impairment and blindness through the life span including family systems, cultural diversity, adjustment, and guidance. Vocational/transition issues, planning and development of professional advocacy, and collaboration skills.

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- **EDSP 475 - Orientation and Mobility for the Blind**

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(6)

Prerequisite: Approval of instructor. Principles and techniques of orientation and mobility for individuals who are blind. Practical application of techniques during simulated blindfold experiences. Content seminars address foundations and methods of orientation and mobility.

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- **EDSP 476A - Orientation and Mobility Instructional Seminar**

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(1)

Prerequisites: C or better in EDSP 475, instructor consent. Seminar in methods of assessment, planning and instruction in orientation and mobility for diverse learners who are visually impaired; development of concepts and spatial awareness; development and utilization of appropriate instructional materials and resources. (Seminar 1 hour)

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- **EDSP 476B - Clinical Practice in Orientation and Mobility**

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(4)

Prerequisites: C or better in EDSP 475, instructor consent. Prerequisite or corequisite: EDSP 476A. Clinical practicum in methods of assessment, planning and instruction in orientation and mobility for diverse learners with visual impairments; development of concepts and spatial awareness; development/utilization of instructional materials and resources. (Laboratory 12 hours)

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- **EDSP 481 - Building Partnerships In Special Education through Life-Long Transition**

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(4)

Prerequisite: EDSP 300 or concurrent and EDSP 400. Principles and practices of collaboration and consultation in various settings to meet the instructional needs of students with mild to severe disabilities through the life-long transition process.

- **EDSP 485 - Emergent Literacy: Curriculum and Accommodations for Young Children with Disabilities**

---

(4)

Prerequisites: EDSP 400, 408. Curriculum and evidence-based practices which will enable early childhood special educators to provide a sound foundation for literacy in young children with disabilities and those at risk for reading problems.

- **EDSP 489 - Demonstration of Instructional Competencies**

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(3–12)

Prerequisite: Approval of division chairperson or designee. Demonstration of competencies related to instructional skills specified for components leading to completion of approved credential, certificate, or degree program requirements. May be repeated for credit with division approval. Graded CR/NC.

- **EDSP 490 - Problems in Special Education**

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(2–5)

Prerequisite: Instructor consent. Investigation and study of unique problems in special education. Specific subject announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **EDSP 499 - Undergraduate Directed Study**

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(1–4)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit.

### **Special Education (Graduate)**

*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 403, 407, 489. Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program.*

- **EDSP 500 - Research Methods in Special Education**

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(4)

Prerequisite: EDSP 400. Study of research relating to psychological and educational problems of exceptional children, introduction to methodological problems in developing, conducting, and reporting research in special education.

- **EDSP 501 - Problems and Practices in Special Education**

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(4)

Prerequisite: EDSP 400. Problems of organization, administration, and supervision of special education programs; evaluation of recent proposed needed legislation; review of current literature for advanced students and administrators.

- **EDSP 502 - Educational Measurements in Special Education**

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(4)

Prerequisites: EDSP 400, 409, basic courses in student's special field. Interpretation and use of test and other measurements for study of the exceptional child. May not be substituted for the credential requirement of administration of individual psychological tests.

## **EDSP 503 - Field Work in Special Education**

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(3–6)

Prerequisite: Consent of division chair. Supervised field training in problems relating to instruction, supervision, administration, evaluation, and guidance of exceptional individuals. Special assignments in schools, diagnostic centers, rehabilitation centers or community agencies. May be repeated to maximum of 9 units.

## **• EDSP 504 - Selected Studies in Special Education**

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(3–5)

Prerequisite: EDSP 400. Intensive study of designated problems in special education. May be repeated for credit as subject matter changes.

## **• EDSP 508 - Technology Applications in Special Education**

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(4)

Prerequisites: EDIT 430 and admissions to Level II Credential program or Masters program. Students need to be proficient in and have access to current technology and Internet. Advanced online, web-based seminar in integration of various technologies into curriculum of students with exceptionalities. Examination of relevant research and development of authentic application projects.

## **• EDSP 509 - Advanced Methods and Models for Teaching Special Populations in General Education**

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(4)

Prerequisite; EDSP 400 or equivalent. Advanced methodology and models designed to make possible the social and academic inclusion of students identified with disabilities or as gifted/talented in the general education classroom.

## **• EDSP 511 - Seminar: Issues and Strategies for Multicultural Special Education Students**

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(4)

Prerequisites: EDSP 408 or COMD 455. Special education for multicultural/bilingual exceptional students, issues in nondiscriminatory assessment, instructional strategies for multicultural/bilingual special education students.

## **• EDSP 512 - Building Partnerships in Special Education**

---

(2)

Prerequisite: EDSP 400. Theory and methods of communication and collaboration with students, families, school and community personnel. Role of culture in communication, collaboration. Issues and concerns related to building partnerships.

## **• EDSP 514 - Assessment of Infants and Young Children with Special Needs**

---

(4)

Prerequisites: EDSP 408, 416. Assessment and educational planning for infants and young children at risk and those with disabilities, including standardized, team-based, authentic, and play-based approaches.

## **• EDSP 515 - Planning Programs for Exceptional Infants and Young Children**

---

(4)

Prerequisites: EDSP 415, 416, 514. A study of research and issues related to assessment, planning, and implementation (intervention) of services for at-risk and exceptional infants and young children.

## **• EDSP 516 - Medical and Behavioral Characteristics of Young Infants with Special Needs**

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(4)

Characteristics of the high-risk infant in the Neonatal Intensive Care Unit and after hospital discharge; characteristics of infants with identified



disabilities; assessment and intervention strategies.

- **EDSP 517 - Advanced Issues in Early Childhood Special Education**

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(4)

Prerequisites: EDSP 514, 515, 516. Current research and practices related to program development, intervention methods and parent-professional relationships in early childhood special education.

- **EDSP 540 - Affective Development of Exceptional Individuals**

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(4)

Prerequisite: EDSP 400. Relationship of affective factors, e.g., receiving, responding, valuing, self-concept of learner and teacher, to cognitive growth of exceptional individual. Emphasis on affective area applicable to all exceptionalities, as approached through current research related to exceptional individuals.

- **EDSP 541 - Advanced Studies in Gifted Education**

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(4)

Prerequisite: EDSP 441. Exploration of issues, research trends, and current practices for gifted individuals in educational programs.

- **EDSP 551 - Building Social Competencies of Individuals with Moderate/Severe Disabilities**

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(4)

Prerequisite: EDSP 451. Methods for case management and building social networks of students with moderate/severe disabilities including positive behavior support, appropriate communication skills, and social skills in natural settings.

- **EDSP 552 - Teaching Students with Reading and Writing Disabilities I**

---

(4units)

Prerequisite: EDEL 415 EDSP 409. Methods for assessment and instruction in literacy for students with reading and writing disabilities. Includes development of basic reading, writing, language skills in grades K-12 and across service delivery settings.

- **EDSP 554 - Educating Individuals with Emotional/Behavioral Disorders**

---

(4)

Prerequisites: EDSP 450 or instructor consent. Etiology, characteristics, instructional impact, and support of students with emotional/behavioral disorders (EBD). Emphasis is placed on issues of identification, assessment, educational planning, and positive behavioral support.

- **EDSP 555 - Advanced Methods in Mild/Moderate Disabilities**

---

(4)

Prerequisites: EDSP 558 or permission of instructor. Advanced methods for identification and instruction of individuals with mild to moderate disabilities, including specific learning disabilities, mental retardation, and behavior disorders; current issues, emerging trends, transition to adulthood.

- **EDSP 556 - Research in Mild/Moderate Disabilities**

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(4)

Prerequisite: EDSP 555. Intensive investigation of several research bases concerning topics relevant to the education of mild to moderate disabilities.

- **EDSP 557 - Teaching Foundational Literacy Skills to Students with Mild/Moderate Disabilities**

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(4)

Prerequisite: EDSP 407. Methods for providing specialized reading instruction to students with reading difficulties. Assessment and instructional strategies, phonemic awareness, letter-sound knowledge, decoding, vocabulary and fluency in grades K-12 across service delivery settings.

- **EDSP 558 - Teaching Comprehension and Written Language to Students with Mild/Moderate Disabilities (4)**

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(4 units)

Prerequisite: EDSP 557. Methods related to the development of literacy skills for students with mild/moderate disabilities including optimizing access to core curriculum and developing comprehension, fluency and written language.

- **EDSP 560 - Seminar: Education of Individuals with Physical Disabilities**

---

(4)

Prerequisite: EDSP 462. Identification and analysis of problems and current issues relating to the education of individuals with physical disabilities and those with multiple disabilities; review of research on specific disabilities.

- **EDSP 561 - Essential and Functional Skills for Students with Physical, Health, and Multiple Disabilities**

---

(2)

Prerequisite: EDSP 462. Physical/health management and instructional strategies for students with physical, health, and multiple disabilities. Physical management techniques, functional skills for personal care, specialized instructional strategies, and health management are addressed.

- **EDSP 565 - Advanced Problems in Education of Visually Handicapped**

---

(4)

Prerequisite: Completion of requirements for credential for teaching visually impaired. (May be taken concurrently with EDSP 407.) Identification and analysis of problems and current issues relating to education of visually impaired; review of recent research specifically related to visual impairment and its application to educational practice. NOTE: This course will be offered through a distance learning model that uses Web-based learning, students must be proficient in, and have access to current technology (hardware and software). They must be proficient in using e-mail and sending attachments.

- **EDSP 566 - Advanced Braille Codes and Strategies for Learners with Visual Impairments**

---

(4)

Prerequisite: EDSP466 or instructor consent. Course designed to teach advanced mathematical Braille code (Nemeth), basic Braille code for music, foreign language and computer (ASCII) to VI teachers. Instructional strategies/assessments (including abacus) for teaching mathematics and content related to codes. Note: This course will be offered through a distance learning model that uses web-based learning, students must be proficient in, and have access to current technology (hardware and software), and be proficient in using e-mail, including sending attachments.

- **EDSP 567 - Specialized Instructional Strategies for Struggling Readers and English Language Learners Who are Visually Impaired**

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(4)

Prerequisite or concurrent enrollment: EDSP 566. Advanced understanding of impact of visual impairment and English language fluency on reading/writing performance for students using Braille and/or print learning media, including development of individualized reading programs, diagnostic/remediation skills for teachers. Lecture 4 hours. Note: This course will be offered through a distance learning model that uses web-based learning, students must be proficient in, and have access to current technology (hardware and software), and be proficient in using e-mail, including sending attachments.

- **EDSP 568 - Functional Skills from the Expanded Core Curriculum for Students who are Blind or Visually Impaired**

---

(2)

Prerequisites or corequisite: EDSP 400 or approval of instructor. Teaching functional skills (e.g., personal management, daily living skills, cooking, and O&M basics) from the expanded core curriculum to students who are blind or visually impaired.

- **EDSP 569 - Specialized Technology for Individuals with Visual Impairments**

---

(4 units)

Prerequisite: EDSP 508 or equivalent. Hands-on instructional training and applied practicum in adaptive technology specific to individuals with visual impairments, including electronic notetakers, tactile graphics, computer-generated Braille translation, and computer screen programs.

- **EDSP 570A - Low Incidence Early Childhood Special Education**

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(2)

Pre- or corequisite: EDSP 408 or course equivalent. Early intervention procedures and strategies for working with infants, toddlers, and young children with low incidence disabilities (deaf and hard-of-hearing, visual impairment, and physical and health impairments) and multiple disabilities.

- **EDSP 570B - Low Incidence Early Childhood Special Education**

---

(2)

Pre- or corequisite: EDSP 408 or course equivalent. Early intervention procedures and strategies for working with infants, toddlers, and young children with low incidence disabilities (deaf and hard-of-hearing, visual impairment, and physical and health impairments) and multiple disabilities.

- **EDSP 575A - Advanced Seminar in Orientation and Mobility**

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(1)

Prerequisite: C or better in EDSP 475, instructor consent. Advanced seminar in orientation and mobility issues, systems and processes (Seminar 1 hour). This course may be offered using a combination of web-based and field-based learning.

- **EDSP 575B - Advanced Clinical Practice in Orientation and Mobility**

---

(4)

Prerequisite: EDSP 476A&B, instructor consent. Prerequisite or corequisite: EDSP 575A. Advanced clinical training in orientation and mobility processes and application of methods, materials, and individualized instructional units in meeting the needs of individuals who are blind and visually impaired. (Laboratory 12 hours)

- **EDSP 576A - Orientation and Mobility: Seminar in Multiple Disabilities**

---

(2)

Prerequisites: EDSP 476A&B, instructor consent. Seminar in strategies for teaching orientation and mobility to visually impaired individuals with multiple disabilities. Seminar emphasizes the modification of typical instructional strategies and techniques, and use of adaptive devices. (Seminar 2 hours)

- **EDSP 576B - Clinical Practice in Orientation and Mobility: Emphasis Multiple Disabilities**

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(2)

Prerequisites: EDSP 476 A&B, instructor consent. Prerequisite or corequisite: EDSP 576A. Clinical practice in teaching orientation and mobility to visually impaired individuals with multiple disabilities, emphasizing modification of typical instructional strategies and techniques, and use of adaptive devices. Field practicum 6 hours. (Laboratory 4-6 hours)

- **EDSP 579 - Developing Informal Assessment and ITP**

---

(4)

Prerequisite: EDSP 481 or permission of instructor. Review assessment strategies, develop informal assessment tools to gather information on transition needs, and write appropriate individualized transition plans for students with disabilities who are in transition from school to adult living.

- **EDSP 581 - Transition Planning for Secondary Students with Disabilities**

---

(4)

Principles and issues of transition planning for secondary – level students with disabilities in postsecondary education, employment (including supportive employment/entrepreneur) independent living, leisure/recreation, and community living; needs assessment in curriculum; instructional strategies; collaboration among family and professionals.

- **EDSP 582 - Advanced Instructional Interventions for Individuals with Moderate to Severe Disabilities**

---

(4)

Prerequisite: EDSP 551. Specialized methods, materials, and equipment to teach students with moderate to severe disabilities communication, mobility, sensory integration, specialized health care, and assistive technology in the life-long transition process.

- **EDSP 583 - Advanced Issues and Research in Inclusive Education**

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(4)

Prerequisites: EDSP 450. Issues and research relevant to current practices in inclusive educational practices.

- **EDSP 584 - Seminar in Moderate to Severe Disabilities**

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(4)

Prerequisites: EDSP 582 or permission from the instructor. Issues and research relevant to current practices in educational services of individuals with disabilities.

- **EDSP 586 - Educating Students with Autism**

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(4)

Prerequisite: EDSP 551. Overview of characteristics of autism. Review of assessment strategies, current interventions for behavior, communication, and social deficits. Classroom arrangement and organizational strategies. Interdisciplinary approaches. Augmentative communication technique

- **EDSP 587 - Teaching Functional Communication**

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(4)

Prerequisite: EDSP 413. Methods for assessing communication needs of students with severe cognitive disabilities. Approaches for teaching communication skills using verbal and augmentative strategies.

- **EDSP 595A - Seminar: Development of Induction Plan**

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(2)

Prerequisite: A valid California Education Specialist Level Credential, or for interns, completion of first year of Level I Credential program. Development of individualized induction plan by candidate, university supervisor, and district support provider. Induction plan is designed for the support and professional development of the beginning special educator. CR/NC

- **EDSP 595B - Seminar: Assessment of Induction Plan**

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(2)

Prerequisite: EDSP 595A, completion of individualized induction plan. Final assessment of Induction Plan and Level II competencies conducted by candidate, university supervisor, and district support provider. Satisfactory completion leads to Level II Specialist Credential in Special Education. Graded CR/NC.

- **EDSP 596 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **EDSP 597 - Graduate Research**

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(1–4)

Prerequisites: EDFN 500 or instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **EDSP 598 - Graduate Directed Study**

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(1–4)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDSP 599A - Thesis or Project Planning**

---

(3)

Prerequisites: EDFN 452 and 500 or EDSP 500, advancement to candidacy, written approval of thesis chair. Prior to completion, students will have completed draft of thesis or project proposal, selected a thesis committee, and submitted a draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **EDSP 599B - Thesis or Project**

---

(2)

Prerequisites: EDSP 599A, written approval of thesis committee chair. Prior to completion, students will have submitted a final draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **EDSP 599C - Thesis or Project**

---

(2)

Prerequisites: EDSP 599, written approval of thesis committee chair. Completion of thesis or project under direct supervision of thesis committee. Graded CR/NC.

### Special Education (Doctoral)

- **COUN 601 - Research Methods in Single Subject Design**

---

(3\*)

Prerequisites: Post-master's degree standing or permission of instructor, advisor, and division chair. Knowledge and practical application in analyzing and conducting research utilizing single subject design methodology with emphasis on causal inference. Application of methodology to field-based, student developed research.

\*Semester Units

- **EDSP 600 - Seminar: Understanding and Using Research to Answer Questions about Diverse Urban Schools**

---

(3\*)

Prerequisite: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Development of critical analysis, interpretation, synthesis of research, and communication of findings on issues related to students with disabilities in diverse urban schools and colleges to promote achievement and inclusion.

\*Semester Units

- **EDSP 602 - Practicum: Program Development and Evaluation**

---

(1–3)

Prerequisite: Post-master's degree standing. Development of proposals and grant applications for submission to federal, state, and private agencies for research, training, and public school program funding. May be repeated for credit.

- **EDSP 604 - Disability, Race, Language, and Gender: Educational Equity, School Policy, and the Law**

---

(3\*)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Current legal, policy, and leadership issues regarding the education of diverse students, with a focus on disability, race, language, and gender. Review of important and litigation with practice implications.

\*Semester Units

- **EDSP 612 - Program Proposal, Development, and Evaluation in Higher Education**

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(4)

Prerequisite: Post-master's degree standing. Procedures for needs assessment, development, evaluation of special programs/projects; development of proposals and grant applications.

- **EDSP 615 - Research Seminar in Early Childhood Special Education**

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(3\*)

Prerequisite: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Research seminar about early childhood special education issues including emphasis on current research, theory and practice; evidence-based intervention strategies used with young children and families.

\*Semester Units

- **EDSP 620 - Seminar: Low Incidence Disabilities**

---

(4)

Prerequisite: Permission of instructor, adviser, and division chair. Theories and research related to infants, toddlers, children and youth with low incidence disabilities including deafness, visual impairments, and severe physical impairments.

- **EDSP 640 - Research on Exceptional Students from Diverse Cultural and Linguistic Backgrounds**

---

(3\*)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Research on the

relationships among culture language, and literacy; impact of disabilities on language, cognition, and academic achievement; identification and placement issues/strategies; and culturally responsive educational settings.

\*Semester Units

- **EDSP 650 - Research Seminar: Adolescents and Adults with Disabilities**

---

(4)

Prerequisite: Post-master's degree standing or permission of instructor, adviser, and division chair. Adolescents and adults with disabilities; review of major transition models, methods, materials, and resources; need for transition services; conceptualization and development of transition model/programs.

- **EDSP 660 - Seminar: Research on Learning Disabilities and Behavior Disorders**

---

(3\*)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Research, theory, and policy related to educating individuals at-risk or identified as having learning disabilities or behavior disorders; issues related to prevention and risk, identification, placement, and intervention.

\*Semester Units

- **EDSP 680 - Seminar: Moderate to Severe Disabilities**

---

(4)

Prerequisite: Post-master's degree standing or permission of instructor, adviser and division chair. Medical research, public policy, social adjustment and integration research, program development, evaluation, design, and other current issues.

- **EDSP 698 - Graduate Directed Study**

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(1–8)

Prerequisite: Consent of an instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDSP 699 - Doctoral Dissertation**

---

(4–8)

Prerequisites: Advancement to candidacy for Ph.D. degree, consent of an instructor to act as sponsor, division approval of topic prior to registration. Continuous enrollment required while student is working on dissertation.

#### Teaching English to Speakers of Other Languages (Undergraduate)

- **TESL 400 - Linguistics in Language Education**

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(4)

This introductory course examines key sociocultural and educational issues related to language learning and use and covers key concepts in linguistics such as phonology, morphology, syntax, and semantics.

#### Teaching English to Speakers of Other Languages (Graduate)

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a*

- **TESL 560 - Theories of Teaching and Learning Second Languages**

---

(4)

Prerequisite: ENGL 401 or TESL 400, or EDSP 408. Addresses major questions in the teaching and learning of second languages, such as how first language acquisition compares with second, the role of affective/cultural variables and theories underlying teaching methods.

- **TESL 561 - Pedagogical Grammar for Teachers ESL/EFL**

---

Prerequisites: ENGL 401, TESL 560. Consideration of the role of grammar in second/foreign language teaching and survey of the structure of English grammar for ESL/EFL teachers; strategies for presenting grammatical forms to nonnative speakers.



## Course Descriptions

### Teaching English to Speakers of Other Languages (Graduate)

All 400-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.

Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 500-level courses that are required in a credential program

- **TESL 562 - Methods for Teaching Second Languages**

(4)

Prerequisite: TESL 560. Current instructional methods for teaching ESL/EFL to students at beginning through advanced levels (K-12, Adult).

- **TESL 564 - Teaching English as a Second Language for Academic Purposes**

(4)

Prerequisites: TESL 560, 562. Teaching techniques for preparing ESL students for university-level academic study.

- **TESL 565 - Using Computers in the Language Classroom**

(4)

Prerequisites: TESL 560; EDIT 430 or equivalent. This course explores the uses of computers in the language classroom (ESL & foreign language), including language learning through word processing, language practice, home-oriented & educational software, and the Internet.

- **TESL 566 - English Phonetics for Second Language Teachers**

(4)

Prerequisites: ENGL 405, TESL 562. The phonetics of English and the phonetic phenomena that occur in the major languages of ESL learners in the U.S. A detailed study of sounds of American English and other "Englishes."

- **TESL 567A - Language Testing**

(4)

Analysis of testing and evaluation in second language programs; emphasis on evaluating effectiveness of teacher-made tests and current standardized test instruments used for assessing language proficiency.

- **TESL 567B - Current Issues in Language Testing**

(4)

Prerequisite: TESL 567A. Current specialized issues in language testing. Designed to explore topics from both theoretical and practical perspectives. Specific topics vary according to trends in the field. May be repeated to a maximum of 8 units for credit, with prior approval of a TESOL adviser.

- **TESL 568 - Practicum in English as a Second Language**

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(4)

Prerequisite: TESL 564. Supervised field experience in teaching English as a second language.

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- **TESL 569 - Language Planning and Language Policy**

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(4)

Prerequisite: TESL 560. Survey of approaches to ESL/EFL language planning and policy including language maintenance, shift and standardization in multilingual and multicultural communities in the U.S. and abroad.

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- **TESL 570 - Educational Sociolinguistics**

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(4)

Influences of community, home, and school on language acquisition process. Language policy, social and linguistic change, language variations described; current status assessed; related cultural and pedagogical issues raised.

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- **TESL 571 - Seminar: Discourse Analysis in the Language Classroom**

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(4)

Prerequisite: TESL 560. A sociolinguistic analysis of interactional patterns, expectations, and communication strategies in the language classroom; emphasis on current studies with some direct experience in discourse analysis as a legitimate research method.

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- **TESL 572 - ESL/EFL Course, Syllabus and Materials Design**

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(4)

Prerequisites: ENGL 401, TESL 560, 562. Survey of approaches to ESL/EFL course and syllabus design including materials selection, adaptation, development, and evaluation.

---

- **TESL 573A - Seminar: Issues in Classroom Second Language Acquisition**

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(4)

Prerequisites: EDFN 452 or 500, TESL 560. Current research as it illuminates the second language acquisition process in classrooms. May be repeated to a maximum of 8 units for credit, with prior approval of a TESOL adviser.

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- **TESL 573B - Current Issues in Second Language Research**

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(4)

Prerequisite: TESL 573A. Current specialized issues in second language research. Designed to explore topics from both theoretical and practical perspectives. Specific topics vary according to trends in the field. May be repeated to a maximum of 8 units for credit, with prior approval of a TESOL adviser.

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- **TESL 574 - Educational Psycholinguistics**

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(4)

Prerequisite: TESL 560. Survey of psycholinguistic research related to language learning and teaching. Addresses issues of comprehension, production, and acquisition. Related pedagogical issues are raised.

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- **TESL 575 - EFL/ESL Reading-Writing Connections**

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(4)

Prerequisites: TESL 560, TESL 562. This course examines EFL/ESL reading/writing theory and pedagogy in adult EFL/ESL classrooms and English for academic purposes classrooms in Intensive English Programs and community colleges.

- **TESL 594 - Special Topics**

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(4)

Prerequisite: Instructor consent, division approval prior to registration. May be repeated for credit.

- **TESL 596 - Comprehensive Examination**

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(0)

Graded CR/NC.

- **TESL 597 - Graduate Research**

---

(1–4)

Prerequisites: EDFN 500, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **TESL 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in TESOL, regular conferences with sponsor. May be repeated for credit.

- **TESL 599A - Thesis of Project Planning**

---

(3)

Prerequisites: EDFN 452 or another advisor approved research course, and 500 or 553, advancement to candidacy, written approval of thesis chair. Prior to completion, student will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis of project proposal to thesis committee. Graded CR/NC.

- **TESL 599B - Thesis or Project**

---

(2)

Prerequisites: TESL 599A, written approval of thesis committee chair. Prior to completion, student will have submitted a final draft of project of thesis committee. Graded CR/NC.

- **TESL 599C - Thesis or Project**

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(2)

Prerequisites: TESL 599B, written approval of thesis committee chair. Completion of thesis of project under direct supervision of thesis committee. Graded CR/NC.

- **TESL 900 - Graduate Studies**

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(0)

Prerequisite: TESL 599ABC, instructor consent to act as sponsor, division approval. Graded CR/NC.

### Teaching English to Speakers of Other Languages (Doctoral)

(Doctoral Courses)

- **TESL 600 - Language Planning and Policy**

---

(3\*)

Prerequisite: Post-master's degree standing and permission of instructor, program director/coordinator and division chair. Overview of

language acquisition in educational settings; language planning with specific reference to local, state, national, and international educational contexts; historical, social, and theoretical perspectives on language policy and planning.

\*Semester Units

## **Technology (Graduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 500 level courses*

### **• TECH 502 - Modern Industry**

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(3)

Prerequisites: An acceptable undergraduate major in Industrial Technology, Industrial Arts or Vocational Education, or comprehensive background of industrial experience, and TECH 300AB. Advanced study of growth, development, and organization of industry; new materials and processes. Problems of industry with significance for present social order.

### **• TECH 505 - Supervision and Organization of Vocational Education**

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(4)

Responsibilities of supervisor for organizing vocational education programs at various levels and for improving instruction. May be repeated to maximum of 8 units with permission of instructor.

### **• TECH 506 - Seminar: Industrial Education**

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(4)

Investigation of teaching problems in industrial education. Individual and group studies of special problems.

### **• TECH 507 - Seminar: Industrial Studies**

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(4)

Prerequisite: TECH 502. Advanced study of developments in industrial materials, processes, machines, and equipment; relationships between industrial developments and society; emphasis on research and investigation.

### **• TECH 583 - Development, Use, and Evaluation of Industrial Education Instructional Materials**

---

(4)

Advanced course in development, use, and evaluation of instructional materials, with emphasis on three-dimensional teaching aids, charts, slides, and displays.

### **• TECH 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 9 units.

### **• TECH 599A - Thesis or Project**

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(1–2)

Prerequisites: Instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to total of 2 units. Graded CR/NC.

- **TECH 599B - Thesis or Project**

---

(1–3)

Prerequisites: TECH 599A, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to total of 3 units. Graded CR/NC.

#### Television, Film and Media Studies (Undergraduate)

- **TVF 200 - Introduction to Single Camera and Editing**

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(4)

An introduction to fundamentals of single camera production. Topics include pre-production planning, camera operation, location lighting, sound, and editing. Lecture 3 hours, activity 2 hours.

- **TVF 201 - Introduction to Television Studio Production**

---

(4)

Introduction to television production facilities, equipment and techniques. Principles of directing, camera, sound, control room operations. Lecture 3 hours, laboratory 2 hours.

- **TVF 210 - Body and Identity in Dance, Theater, Film**  
(also listed as DANC and TA 210)

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(4)

The aesthetic bases of dance, theater and mass media will be established using the human body as core focus. Exploration of body representation as affected by culture, gender and class.

**GE C2**

- **TVF 220 - Introduction to Broadcasting**

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(4)

Survey of principles and practices in American broadcasting with emphasis on techniques of radio and television programming through lectures, reports, and selected viewing.

- **TVF 224 - Survey of Film**

---

(4)

Cinema as a creative communication medium, emphasizing certain perceptual, conceptual, and technical considerations.

- **TVF 225 - Interpreting World Cinema**  
(also listed as ENGL 225)

---

(4)

Critical survey of world cinema as art and cultural artifact. Provides critical methodology and practical tools for analyzing and interpreting international film movements, genres and themes.

**GE C2**

- **TVF 240 - Film, Novel, Theater**  
(also listed as ENGL and TA 240)

---

(4)

Prerequisite: Completion of ENGL 101. An exploration of film, theater, and fiction through the process of adaptation. Analysis of the roles of audience, modes of delivery, concepts of form and structure, and cultural impact.

• **TVF 249 - Announcing**

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(4)  
On-air techniques for reading and reporting radio and television news.

• **TVF 250 - Media, Culture and Identity**

---

(4)  
Explores the social construction of "racial," ethnic, gender, class, national and sexual identity, emphasizing the role of the mass media. Takes historical, sociological, political and cultural/ideological approaches.

GE D ; Approved diversity course

• **TVF 265 - Introduction to Scriptwriting**

---

(4)  
Basic techniques of short subject dramatic screenplay structure and storytelling. Script development from story concept selection, character design, story treatment, plot and character development.

• **TVF 280 - Animation History**

---

(4)  
Survey course on the history of animation and its relationship to society and culture. Overview of well-known animators and landmark animated films. Lecture 4 hours.

• **TVF 292 - Introduction to News Writing and Reporting**

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(4)  
Prerequisite: ENGL 102. Introduction to news writing and reporting. News sources, collection of news, acceptable forms for news stories, news reporting styles and journalism ethics.

• **TVF 301 - Intermediate Television Studio Production**

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(4)  
Prerequisites: TVF 201 and either TVF 265 or instructor consent. Intermediate study of directing principles and production techniques as applied to educational, informational, and cultural program production. Lecture 3 hours, laboratory 2 hours.

• **TVF 303A - Introduction to Digital Graphics for Film and Television**

---

(2)  
Prerequisite: TVF 301. Lab-based workshop providing application and operational understanding of digital post production graphics. Elective credit only. Graded CR/ NC. Activity 4 hours.

• **TVF 303B - Introduction to Television Digital Post Production**

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(2)  
Prerequisite: TVF 200, TVF 301. Lab-based workshop providing application and operational understanding of television digital post production. Elective credit only. Graded CR/ NC. Activity 4 hours.

• **TVF 303C - Introduction to Film Digital Post Production**

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(2)

Prerequisite: TVF 200, TVF 301. Lab-based workshop providing application and operational understanding of film digital post production. Elective credit only. Graded CR/ NC. Activity 4 hours.

- **TVF 320 - Audio Production**

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(4)

Prerequisite: TVF 220. Practicum in sound for radio, television and film. Lecture 3 hours, activity 2 hours.

- **TVF 324 - Third Cinema/Video**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Survey and analysis of the cultural and textual politics of Third Cinema/ Video-film and video produced by and for developing countries and their Western diaspora communities.

**GE Theme A**

- **TVF 328 - Film History**

---

(4)

Prerequisite: TVF 224. Examination of significant historical events, persons and movements which have influenced the cultural and institutional development of motion pictures.

- **TVF 330 - The Documentary in Broadcasting and Film**

---

(4)

Prerequisites: TVF 220, 224. Historical and critical study of documentary form in broadcasting and film using classic examples in radio, television, and motion pictures.

- **TVF 334 - "Race", Justice and the Mass Media**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Examines racism in media institutions and representations. Emphasizes historical role of media in the social construction of "racial" identity, the legitimization and reproduction of racist domination, and resistance to racism.

**GE Theme H ; Approved diversity course**

- **TVF 354L - Selected Studies in Broadcasting Production**

---

(1-4)

Prerequisite: TVF 301. Special application of audio and video production and post production technologies. Variable topics. May be repeated to maximum of 12 elective units as subject matter changes. Graded CR/NC.

- **TVF 362 - Film and Television Aesthetics**

---

(4)

Prerequisites: TVF 220, 328. Film and television aesthetics, analyzing component elements of light, space, time, sound, music, and motion in synthesized image.

- **TVF 365 - Intermediate Scriptwriting**

---

(4)

Prerequisites: TVF 201, 265. Techniques of feature film writing, script story theory, structure and analysis. Lecture and workshop-based, computer-assisted feature script development and writing. Typed story synopsis required for first class meeting.

- **TVF 366 - Violence and the Media**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Violence and the Media examines the impact of the mass media on individual and collective violence, utilizing cultural and semiotic/textual forms of theory and analysis.

**GE Theme B**

- **TVF 370 - Broadcasting and Film as Shapers of the Public Mind**

---

(4)

Prerequisites: TVF 220, 224. Broadcast and film media as persuasive and motivational forces in society, techniques of audience-market research, advertising process, and effects of advertising environment on public opinion and buying power.

- **TVF 377 - Introduction to Animation**

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(4)

Prerequisites: ART 159 and ART 244 or consent of instructor. Cel animation practicum stressing development of storyboards, artwork and camera technique. Lecture 1 hour, activity 3 hours.

- **TVF 378 - Writing and Storyboarding for Animation**

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(4)

Prerequisites: TVF 265 or consent of instructor. Recommended concurrent enrollment in TVF 377. Research and practice in the creation of original animation storyboards, including structure and design of both visual and verbal content. Study of narrative and non-narrative approaches. Lecture 1 hour, activity 3 hours.

- **TVF 379 - Gender and Sexuality in Popular Culture**  
(also listed as ENGL 379)

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Survey and critical analysis of narrative and visual representations of gender and sexuality in the modes of popular culture, such as television, film, advertising, popular fiction, and the tabloid press.

**GE Theme C ; Approved diversity course**

- **TVF 380 - Emotion in Theater and Film**  
( also listed as TA 380)

---

(4)

Prerequisites: Basic Subjects (Block A) and one course from Block C. Analysis of emotion as motivational force in theater and film. Emotion as critical factor in performance, narrative development and the essential mediating component compelling audiences to the theatrical/cinematic experience.

**GE Theme E**

- **TVF 381 - Advanced Animation**

---

(4)

Prerequisite: TVF 377 and TVF 378. Advanced traditional animation course utilizing ink-and-paint or other artistic media, including digital, to create a short animated film. Repeatable to 8 units. Lecture 1 hour, activity 3 hours.

- **TVF 397 - Cinematography**

---

(4)

Prerequisite: TVF 200. Principles and practices in motion picture photography including directing for single camera, camera operation, lighting, and editing. May include field trips. Lecture 3 hours, activity 2 hours. Repeatable to 8 units.



- **TVF 398 - Cooperative Education**  
(see UNIV 398)

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(1–8)  
Cooperative Education

- **TVF 401 - Advanced Video Production**

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(4)  
Prerequisites: TVF 200, 224, 301. Advanced studio and location practicum stressing aesthetics of video production. Seminar 3 hours, activity 2 hours.

- **TVF 403A - Advanced Digital Graphics for Film and Television**

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(4)  
Prerequisites: TVF 303A and one of: TVF 401, TVF 430 or TVF 475. Advanced instruction and application on digital graphics systems. Lecture 1 hour, activity 3 hours.

- **TVF 403B - Advanced Television Digital Post Production**

---

(4)  
Prerequisites: TVF 303B and one of: TVF 401, TVF 430 or TVF 475. Advanced instruction and application of digital post production television technologies. Lecture 1 hour, activity 3 hours.

- **TVF 403C - Advanced Film Digital Post Production**

---

(4)  
Prerequisites: TVF 303C and one of: TVF 401, TVF 430 or TVF 475. Advanced instruction and application of digital post production film technologies. Lecture 3 hours, activity 2 hours.

- **TVF 410 - Contemporary Radio Broadcasting**

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(4)  
Prerequisite: TVF 220. Description and analysis of the structure and practice of contemporary radio.

- **TVF 411 - Children's Media**

---

(4)  
Prerequisites: TVF 220, 224. Critical industry and product content analysis of media produced for children, including television programming, film, video games, CD-ROM and computer programs.

- **TVF 420 - Responsibility and Regulation in Broadcasting and Film**

---

(4)  
Prerequisites: TVF 220, 224. Professional responsibilities of broadcasters and film makers to their audiences; regulatory issues, problems, and systems that influence broadcast and film production in the U.S.

- **TVF 424 - Crosscultural Broadcasting and Film**

---

(4)  
Prerequisites: TVF 220, 224. Broadcast media and film as means of crosscultural communication and intercultural understanding from both national and international perspectives; moral, social, and psychological implications.

- **TVF 430 - Documentary Field Production**

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(4)

Prerequisites: TVF 200, 330. Video field practicum stressing aesthetics and techniques of documentary production. Lecture 3 hours, laboratory 2 hours.

- **TVF 434 - Latin American Radio Documentary Production  
(also listed as LAS 434)**

---

(4)

Recommended prerequisites: TVF 320 or 2 upper division Latin American content courses in history, political science, or Latin American studies. Analysis of political, economic, and cultural issues in Latin America, utilizing primary sources; production of research in the form of broadcasting tapes.

- **TVF 440 - Noncommercial Broadcasting and Film**

---

(4)

Prerequisites: TVF 220, 224. Analysis of noncommercial broadcasting and film systems; special focus on the Public Broadcasting System and key film distribution companies.

- **TVF 453 - International Communication Media**

---

(4)

Prerequisite: TVF 220, 224, or COMM 150. Description and analysis of media systems (print, audio, and video) as they exist in various countries around the world, and the means by which information is exchanged internationally.

- **TVF 454 - Selected Studies in Broadcasting**

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(1–4)

Selected topics in broadcasting media, as announced in Schedule of Classes. May be repeated to maximum of 12 units for credit as subject matter changes.

- **TVF 454L - Selected Studies in Production**

---

(4)

Prerequisite: TVF 301. Special application of audio and video production techniques in the creation of entertainment, educational, documentary, and public affairs programming. Variable topics. May be repeated to maximum of 12 units as subject matter changes. Lecture 3 hours, laboratory 2 hours.

- **TVF 460 - Theories in Mass Communication**

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(4)

Prerequisite: TVF 220. Historical and analytical investigation of mass communication/media theory.

- **TVF 462 - Criticism of and Film and Television**

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(4)

Prerequisite: TVF 362. Purposes and methods of criticism as applied to film and television; development of standards of critical evaluation as determined by analyses of selected television programming and motion pictures.

- **TVF 465 - Seminar: Advanced Scriptwriting**

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(4)

Prerequisite: TVF 365 or consent of instructor. Writing workshops, scene clinics and writer/actor lab activities for rewriting an existing feature screenplay and developing a new film/television script. May be repeated to a maximum of 8 units.

### • **TVF 470 - Administration and Studio Operations in Broadcasting and Film**

---

(4)

Prerequisites: TVF 220, 224. Administrative techniques, operational procedures, and organizational structures within contemporary radio and television broadcast stations and film studios.

### • **TVF 475 - Television News/Magazine Production**

---

(4)

Prerequisites: TVF 201, TVF 200. Practicum in television news/magazine segment production. Students produce a weekly program, which appears on campus and local cable systems. May be repeated up to 8 units. Seminar 3 hours, activity 2 hours.

### • **TVF 480 - New Media Technologies**

---

(4)

Prerequisites: TVF 201, 220. Description and analysis of new and evolving communication media, their growth, development, and effect on social and political systems.

### • **TVF 492A - Motion Picture Preproduction**

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(4)

Prerequisite: TVF 301. Preparation for making a motion picture; emphasis on 16mm short film of approximately 30 minutes in length, applicable to longer films. Lecture 3 hours, activity 3 hours.

### • **TVF 492B - Motion Picture Production**

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(4)

Prerequisite: TVF 301. Shooting and editing the motion picture, as planned in TVF 492A; emphasis on 16mm short films of approximately 15 to 30 minutes, applicable to longer films. May be repeated to a maximum of 8 units. Lecture 3 hours, activity 3 hours.

### • **TVF 492C - Motion Picture Postproduction**

---

(4)

Prerequisite: TVF 301. Editing, sound track preparation, music recording and editing, title and optical EFX creation, final color timing and negative conforming; completion of 492B project. Lecture 3 hours, activity 3 hours.

### • **TVF 497 - Film and Video Production Portfolio**

---

(4)

Prerequisites: TVF 301 and one from TVF 401, 430, or 475, and one from TVF 320, 377, OR 397. Practicum focusing on the creation of professional portfolio-quality film and video works suitable for festival entry and employment. Seminar 3 hours, laboratory 2 hours.

### • **TVF 498 - Capstone Animation Project** (also listed as ART 498)

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(1–4)

Prerequisites: Consent of the instructor plus one of the following sequences: ART 480, 494, 496 or TVF 377, 378, 381. The design, pre-production, production and post-production of an advanced animated work suitable for portfolio presentation. Up to six units may be taken by a student who is assisting on someone else's Capstone Animation Project. Activity 8 hours. 12 units are required for Animation majors.

- **TVF 499 - Undergraduate Directed Study**

---

(2–4)

Prerequisites: Consent of adviser and of an instructor to act as sponsor. Individual projects designed to reflect ability of student and to be a contribution to field of educational, informational, or cultural broadcasting. May be repeated to maximum of 8 units.

### Television, Film and Theatre (Graduate)

*Classified graduate standing is required for admission to all 500-level courses*

- **TVFT 500 - Introduction to the Production / Performance Master of Fine Arts in Television, Film and Theatre**

---

(2)

Introduces the beginning student to the program's purpose, requirements, and design as well as theoretical, methodological and industry driven principles theories and practices.

- **TVFT 502 - Directing**

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(4)

Critical examination of major theoretical approaches to directing theatre and film. Examination of the work of major theatre and film directors and contemporary directors. Also includes directing television.

- **TVFT 503A - Dramatic Structure I: Theatre**

---

(4)

Analysis of theatrical structure. Traditional and non-traditional approaches to script analysis. Analyzing scripted and nonscripted theatrical production. Simultaneously examines genre. Primarily western, also considers some non-western forms.

- **TVFT 503B - Dramatics Structure II: Film**

---

(4)

Prerequisite: TVFT 503A. Introduce students to feature film structure with special attention to character, scene, and story.

- **TVFT 503C - Dramatic Structure III: Television**

---

(4)

Prerequisites: TVFT 503A and TVFT 503B. Introduce students to the scene as a unit of film and television structure with special attention to character and story.

- **TVFT 508 - Media Arts, Theatre and Society**  
(also listed as COMS 508)

---

(4)

Historical and current relationship between media arts, theatre and society. Study scholars and practitioners who address questions regarding contemporary roles, potentials and impacts of these arts and professions.

- **TVFT 509 - Entertainment Industry Practices**  
(also listed as COMS 509)

---

(4)

Prerequisite: TA 500 or COMS 500. This course acquaints the student with the structure in the television, film and theatre Industries as well as the positions and responsibilities of those involved in development and production.

## • **TVFT 510 - Studio and Field Operations**

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(4)

Explores the human and technological needs of professional studio, field film and video production

## • **TVFT 511 - Stage Operations**




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(4)

Processes involved in stage, TV and film productions. Includes discussion of job titles and responsibilities, the chain of command, working with unions and communicating needs to cast, crew and designers.

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## Course Descriptions

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### Television, Film and Theatre (Graduate)

*Classified graduate standing is required for admission to all 500-level courses*

- **TVFT 517 - Acting for the Stage**

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(3)

An investigation of various approaches to acting on stage designed to give the student the skills required to act in the professional theatre.

- **TVFT 518 - Acting for Television**

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(3)

Investigation of television acting techniques designed to give students the skills required to act in the professional television industry. Course will cover one and four-camera (sit-com), and commercials.

- **TVFT 519 - Acting for Film**

---

(3)

An investigation of film acting techniques designed to give the student the skills required to act in the professional film industry.

- **TVFT 521 - Directing for the Stage**

---

(4)

A practical course on play directing, script analysis, blocking, auditions, casting, design concepts, scheduling and conducting rehearsals, communication techniques for artistic collaboration, and presentation of scene work.

- **TVFT 522 - Single Camera Directing and Producing**

---

(4)

This course focuses on the aesthetic, practical concerns, operational process, human and technological needs of professional single camera film and video production.

- **TVFT 523 - Multiple Camera Television Production**

---

(4)

A hands-on approach to the production of seven basic multiple camera television formats.

- **TVFT 531A - Motion Picture Pre Production/Production**

---

(4)

Narrative Film Production. Prepares students to work in the collaborative environment of the professional filmmaker and through the varying phases of preparation and production.

- **TVFT 531B - Motion Picture Production/ Post Production**

---

(4)

Prerequisite: TVFT 531 A.Narrative Film Production. This course will further prepare students to work in the collaborative environment of the professional filmmaker and through the varying phases of preparation and production.

- **TVFT 533 - Advanced Problems in Multiple Camera Television Production**

---

(4)

Prerequisite: TVFT 523. This course deals with four major problem scenes: Scenes with more than 3 characters, scenes of violence, scenes of passion, and scenes of eating.

- **TVFT 535 - Graduate Cinematography**

---

(4)

Explores the visual art of the motion picture images.

- **TVFT 540 - Strategies and Safety in Grip and Electric Operations**

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(4)

Prerequisite: TVFT 500. The course explores effective strategies for the proper, safe and creative operations for television and motion picture applications of industry professional grip and lighting equipment.

- **TVFT 542 - Acting Studio**

---

(3)

Prerequisites: TVFT 517, 518, 519. Studio training in advanced acting with professionals in Los Angeles and/or with guest artists at CSULA or CSU Summer Arts.

- **TVFT 543A - Voice for Performers I**

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(2)

The gradual accumulation of voice exercises from relaxation and breathing to a fully realized vocal warm up to prepare actors for performing. Emphasis on breathing, relaxation, and resonation.

- **TVFT 543B - Voice for Performers II**

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(2)

Prerequisite: TVFT 543A. The gradual accumulation of voice exercises from relaxation and breathing to a fully realized vocal warm up to prepare actors for performing. Emphasis on articulation, diction, and pronunciation.

- **TVFT 543C - Voice for Performers III**

---

(2)

Prerequisites: TVFT 543A and 543B. The gradual accumulation of voice exercises from relaxation and breathing to a fully realized vocal warm up to prepare actors for performing. Emphasis on diction and dialects.

- **TVFT 544A - Movement for Performers I**

---

(2)

Ballet and the introduction of special skills from the Western tradition including workshops on fencing, social dance, fans, bows and curtsies, and the influence of costume on body movement.

- **TVFT 544B - Movement for Performers II**

---

(2)

Prerequisite: TVFT 544A. Modern dance and postmodern choreography including workshops on Alexander Technique, Feldenkrais Method, and Suzuki.

- **TVFT 544C - Movement for Performers III**

---

(2)

Prerequisites: TVFT 544 A and 544B. Viewpoints and improvisational approaches to theatre movement. Workshops and research in biomechanics, Lecoq, commedia dell'arte, Grotowski, and composition.

- **TVFT 545 - Scene Writing Lab**

---

(2)

The course will explore the art of writing scenes. Students will engage the study of scene through the practice, the critical screenings of films and theatrical scenes, staged scene clinics, and dramatic enactments.

- **TVFT 546A - MFA Project I**

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(2)

Students choose to produce a theatre, multi-cam studio television or film style production. Between the three projects students must work in each medium.

- **TVFT 546B - MFA Project II**

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(2)

Prerequisite: TVFT 546A. Students choose to produce a theatre, multi-cam studio television or film style production. Between the three projects students must work in each medium.

- **TVFT 547 - Story Development**

---

(4)

Feature film story development. Students will generate story ideas from different fictional and non-fictional sources, with attention to character, plot, and story structure. ",, Department of Communication Studies"

**Television, Film and Theatre (Graduate)**

- **TVFT 548 - Creating Characters and Writing Dialogue**

---

(4)

Study and practice of character development and dialogue for film and television.

- **TVFT 549 - Playwriting**

---

(4)

Workshop in planning, preparing, and writing manuscripts for stage; emphasis on handle materials, play structure, characterization, and dialogue.

- **TVFT 550 - Genre Writing**

---

(4)

Focus on the history, structure, and development of a selected genre of narrative screenwriting including, but not limited to, Romantic Comedy, Comedy, Action, Thriller, and Horror.



- **TVFT 551 - TV Sitcom Writing**

---

(4)

Introduce students to the half-hour TV format with special attention to structure, scene, character, and story.

- **TVFT 552 - The Business of Writing**

---

(4)

The basics of the business of writing through lectures and discussion, providing strategies for marketing film and television screenplays.

- **TVFT 553 - Pitching Workshop**

---

(2)

Developing and maintaining the skills of pitching film ideas to agents, managers, producers, directors, and other industry representatives.

- **TVFT 554 - Selected Topics in Entertainment Industry**

---

(1-4)

Prerequisite: Varies with topics; see Schedule of Classes for specific prerequisites or instructor consent. Intensive study of selected topics in the Master of Fine Arts: Television, Film and Theatre. May be repeated to maximum of 8 units

- **TVFT 555 - Film Editing for Writers**

---

(4)

The study and practice of the basics of film editing, interpreting the screenplay through the film and understanding the writer's vision.

- **TVFT 556 - Directing Workshop for Writers**

---

(4)

Teach screenwriting students how the director interprets their work. Writers will learn the fundamentals of directing for the camera, and experience how their own writing translates visually and experientially.

- **TVFT 563 - The Business of Acting**

---

(4)

Prepare actors for the business aspects of their careers: casting protocol, head shots, marketing a career, talent representation, professional behavior and unions.

- **TVFT 579 - The Business of Production**

---

(4)

Prerequisite or Corequisite: TVFT 500. Course acquaints the student with the business of media industries as well as the positions, responsibilities, and best practices of those employed by the media.

- **TVFT 580 - Collaboration Workshop**

---

(2)

Explores how artists from theatre, film and television collaborate. Students will also apply these techniques to current projects they are completing. May be repeated up to 6 units.

- **TVFT 581 - Entertainment Arts Internship**

---

(2)

Practical work in professional film, television, and theatre settings under supervision of professionals in internships; not available to non-program students. Includes career counseling, resume workshops, practice interviewing networking. 200 internship hours are required, may be fulfilled in a single quarter or over two quarters at 100 internship hours per 1 unit.

- **TVFT 598 - MFA Directed Study**

---

(1–6)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field (performance, production, dramatic writing); regular conferences with sponsor. May be repeated to maximum of 6 units.

- **TVFT 599 - MFA Culmination Project**

---

(4)

Prerequisites: TVFT 546A and TVFT 546B. Culminating project is required of all students in the Television, Film and Theatre MFA program. Students must choose to produce a theatre, multi-cam studio television or film style production.

#### Thai (Undergraduate)

- **THAI 100A - Elementary Thai**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Thai. Introduction to the customs, culture, and institutions of the Thai-speaking people.

- **THAI 100B - Elementary Thai**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Thai. Introduction to the customs, culture, and institutions of the Thai-speaking people.

- **THAI 100C - Elementary Thai**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Thai. Introduction to the customs, culture, and institutions of the Thai-speaking people.

#### Theatre Arts (Undergraduate)

*All 400-level courses in Theatre Arts (TA) may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: TA 499.*

- **TA 100 - Play Practicum**

---

(1)

Active participation in University-sponsored dramatic activities. Assignments may include acting, directing assistance, lighting, scenery, costuming, props, and house management. May be repeated to maximum of 4 units.

- **TA 141 - Acting Fundamentals: Games and Exercises**

---

(3)

Basic principles and techniques of acting. Exploration of creative processes through theatre games and improvisational exercises. Additional hours required.

• **TA 142 - Acting Fundamentals: Character Study**

---

(3)

Prerequisite: TA 141. Basic principles and techniques of acting. Building a character through textual analysis and practical work based on text. Additional hours required.

• **TA 143 - Acting Fundamentals: Scene Study**

---

(3)

Prerequisite: TA 142. Basic principles and techniques of acting. Analysis of scene structure, use of subtext, actions, and objectives. Performance of selected scenes. Additional hours required.

• **TA 152 - Analysis of Drama and Theatre**

---

(4)

Principles of drama and theatre; social relevance of theatre; dramatic structures and styles of diverse forms of theatre; practical theatre exercises; evaluation and appreciation of plays in performance.

\*C-ID THTR 111 and THTR 114

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

• **TA 154L - Selected Topics in Theatre Arts**

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(1–4)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Theatre Arts as announced in Schedule of Classes.

• **TA 154P - Selected Topics in Theatre Arts**

---

(1–4)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Theatre Arts as announced in Schedule of Classes.

• **TA 160 - Living Theatre**

---

(4)

Survey of live theatre; appreciating and understanding actual theatrical productions and practices: acting, playwriting, costumes and makeup design, nature of the theatrical event. Lecture 2 hours, demonstrations-practical work-field trips, 4 hours.

• **TA 210 - Body and Identity in Dance, Theatre, Film**  
(also listed as TVF and DANC 210)

---

(4)

The aesthetic bases of dance, theatre and mass media will be established using the human body as core focus. Exploration of body representation as affected by culture, gender and class.

• **TA 240 - Film, Novel, Theatre**  
(also listed as TVF and ENGL 240)

---

(4)

Prerequisite: Completion of ENGL 101. An exploration of film, theatre, and fiction through the process of adaptation. Analysis of the roles of audience, modes of delivery, concepts of form and structure, and cultural impact. GE C5

• **TA 276 - Introduction to Play Writing**  
(also listed as ENGL 276)

---

(4)

Prerequisite: ENGL 200A or 200B or 200C or TAD 101. Collaborative approach to writing for the stage; emphasis on writing theory and techniques; introduction to dramaturgy, directing, literary management, and staged reading.

• **TA 300 - Production Support**

---

(1–2)

Technical preparation/presentation of University-sponsored production. Transfer majors must complete at least 6 units. Non majors must enroll whenever cast in department productions. Meets more than 6 hours per week. May be repeated to a maximum of 24 units.

• **TA 301 - Creative Dramatics**

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(4)

Philosophies and techniques of creative dramatics. Emphasis on improvisation, play making, pantomime, ongoing drama, story dramatization, role playing; selected projects and demonstrations.

• **TA 306 - Children's Theatre**

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(4)

Philosophies, attitudes, and forces shaping current practices in children's theatre; selected scripts and production techniques.

• **TA 310 - Play Performance**

---

(2)

Prerequisite: Admission by audition only. Detailed work on a major production with rehearsal and performance requirements. Enrollment required for performance participation. Meets more than 6 hours each week. May be repeated to maximum of 12 units.

• **TA 311 - Development of World Theatre I**

---

(4)

Significant developments in world dramatic literature and theatre from origins through 17th century with emphasis on classical Greece/Rome, Medieval, Sanskrit, Renaissance Italy, Spain, France and England, and pre-Columbian American.

• **TA 312 - Development of World Theatre II**

---

(4)

Prerequisite: TAD majors must complete TA 311 or have instructor consent. Significant developments in world dramatic literature and theatre from the 17th to 20th century; emphasis on traditional Japanese and Chinese, 17th through 19th century romanticism, realism, early revolts against realism.

• **TA 313 - Development of World Theatre III**

---

(4)

Prerequisite: TAD majors must complete TA 312 or have instructor consent. Significant developments in world dramatic literature and theatre in the 20th century with emphasis on German expressionism, social realism, fascist Europe, absurdism, and contemporary theatre forms and artists.

### • **TA 314 - Staging Violence in World Theatre**

---

(4)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Examines representations of violence on stage in various cultures and eras of world theatre from live, graphic violence, to violence beautifully or horribly described. Studies theatre in its social context.

**GE Theme B**

### • **TA 322 - Theatrical Makeup**

---

(3)

Prerequisite: Instructor consent. Basic concepts and skills in makeup for stage, television, and cinema; straight and corrective makeup; old age and character modeling; introduction to facial prosthetics; basic techniques in building facial hair pieces. Laboratory hours required.

### • **TA 323 - Intermediate Theatrical Makeup**

---

(3)

Prerequisite: TA 322. Concepts and skills of three-dimensional techniques; special effects and fantasy makeup for stage and screen; makeup design; techniques for handling hair and wigs. Additional hours required.

### • **TA 341 - Advanced Performance I: Classical Acting**

---

(3)

Prerequisites: TA 141–143. Advanced principles and techniques of classical acting. Grounding in textual analysis through initial exposure to Shakespeare and other classical texts in performance. Additional hours required.

### • **TA 342 - Advanced Performance II: Scene Study**

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(3)

Prerequisite: TA 341 or instructor approval. Advanced principles and techniques of acting; developing characters through scene study. Additional hours required.

### • **TA 343 - Advanced Performance III: Acting Collaboration**

---

(3)

Prerequisite: TA 342 or instructor approval. Advanced principles and techniques of acting; analysis and exercises designed to work on acting as collaborating. Additional hours required.

### • **TA 357 - Creative Experiences for Health and Wellness** (also listed as ART 357, and DANC 357)

---

(4)

Prerequisites: ART 209 or MUS 150 or 160; DANC 157 or TA 152 or HS 150. Exploring health and wellness through participation in the creative arts - dance, visual arts, music and theatre arts.

### • **TA 380 - Emotion in Theatre and Film** (also listed as TVF 380)

---

(4)

Prerequisites: Completion of Basic Subject (Block A) and one course from Block C. Analysis of emotion as motivational force in theatre and

film. Emotion as critical factor in performance, narrative development and the essential mediating component compelling audiences to the theatrical/cinematic experience.

#### **GE Theme E**

### **• TA 400 - Creative Drama for the Elementary Classroom**

---

(3)

Exploration/integration of artistic perception, creative expression, historical/cultural contexts, aesthetic valuing as components of teaching/learning through drama. Meets 4 hours weekly.

### **• TA 401 - Advanced Creative Dramatics**

---

(4)

Prerequisite: TA 301. Exploration and application of advanced techniques and concepts of informal drama; special emphasis on European approaches to dramatics; practical experience through selected projects.

### **• TA 402 - Children's Theatre Tour**

---

(3)

Prerequisite: Instructor consent, completion of lower division requirements, TA 301, TAD 339, TAD majors must be junior or senior standing. Participation as actors, designers, stage managers, and drama leaders in touring children's theatre productions; theatre with special populations. Additional hours required. May be repeated to maximum of 16 units.

### **• TA 422 - Advanced Theatrical Makeup**

---

(3)

Prerequisite: TA 322. Advanced techniques in creation and application of latex, polyurethane, and wax dental prosthetics for stage, television, and cinema; ventilation processes for beard and wig construction; experimental design of stylized nonrealistic makeup. Laboratory hours required.

### **• TA 426 - Introduction to Stage Costuming**

---

(3)

Prerequisites: Two dramatic literature courses. Basic principles of costume design and construction; historical survey of costumes from ancient to modern times as related to stage costume. Additional hours required.

### **• TA 427 - Stage Costume Design**

---

(3)

Prerequisite: TA 426. Theory and application of costume design and construction for stage; research methods, principles of design, dramatic analysis, rendering layout, and construction techniques. Additional hours required.

### **• TA 431 - Introduction to Stage Scenery**

---

(3)

Prerequisites: TAD 131, 132. Theory, practice of scenery design; physical stage, script, director demands; working drawings, models, sketches; perspective rendering. Additional hours required.

### **• TA 432 - Stage Scenery Design**

---

(3)

Prerequisite: TA 431. Advanced design problems, projects in design of drama, comedy, and musical theatre. Additional hours required.

- **TA 434 - Introduction to Stage Lighting**

---

(3)

Prerequisites: TAD 131, 132. Theory and practice of lighting design; functions and properties of light on stage; basic electricity, optics, color; light plots and plans, lighting equipment and its use, control systems. Additional hours required.

- **TA 435 - Stage Lighting Design**

---

(3)

Prerequisite: TA 434. Advanced problems in lighting design; projects in conception and execution of designs for the stage. Additional hours required.

- **TA 441 - Acting Studio I: Material from the American English Realist tradition**

---

(3)

Prerequisites: TA 341–343. Organic approach to the physical and emotional demands of acting. Admission by audition only. Each course may be repeated to maximum of 6 units.

- **TA 442 - Acting Studio II: Material from the Early Realist tradition**

---

(3)

Prerequisites: TA 341–343. Organic approach to the physical and emotional demands of acting. Admission by audition only. Each course may be repeated to maximum of 6 units.

- **TA 443 - Acting Studio III: Material from classical and Musical Theatre**

---

(3)

Prerequisites: TA 341–343. Organic approach to the physical and emotional demands of acting. Admission by audition only. Each course may be repeated to maximum of 6 units.

- **TA 445 - Principles of Directing I**

---

(3)

Prerequisites: Completion of lower division requirements, TA 313 and TAD 339; or graduate standing. Introduction to the process of directing plays: script analysis, blocking, auditions, casting, design concepts, scheduling and conducting rehearsals, communication techniques for artistic collaboration, and presentation of scenework. Additional hours required.

- **TA 446 - Principles of Directing II**

---

(3)

Prerequisites: Completion of lower division requirements, TAD 339, 439, and TA 445; or graduate standing. Advanced techniques of stage directing; developing of concept, style, and approaches to directing classical, modern, and nonrealistic plays; collaborative approaches working with actors and designers; scene presentations. Additional hours required.

- **TA 447 - Acting for Musical Theatre I: The maturation of the book musical (1940–1967)**

---

(3)

Performance approach to acting demands of musical theatre; characterization through voice, singing, speaking, movement, and scene study. Each course may be repeated once for credit. Suggested sequence: 447, 448, 449; however, none of the three courses is prerequisite to the others.

- **TA 448 - Acting for Musical Theatre II: Beginning to rise of book musical (1940)**

---

(3)

Performance approach to acting demands of musical theatre; characterization through voice, singing, speaking, movement, and scene study. Each course may be repeated once for credit. Suggested sequence: 447, 448, 449; however, none of the three courses is prerequisite to the others.

• **TA 449 - Acting for Musical Theatre III: The contemporary, avant garde (1967–present)**

---

(3)

Performance approach to acting demands of musical theatre; characterization through voice, singing, speaking, movement, and scene study. Each course may be repeated once for credit. Suggested sequence: 447, 448, 449; however, none of the three courses is prerequisite to the others.

• **TA 450 - Principles of Directing III**

---

(3)

Prerequisite: TA 446. Directing laboratory in which each director selects a one-act play to explore through script analysis and rehearsal, culminating in performance. May be repeated to maximum of 6 units.

• **TA 454L - Selected Topics in Theatre Arts**

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(1–4)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in theatre arts as announced in Schedule of Classes.

• **TA 454P - Selected Topics in Theatre Arts**

---

(1–4)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in theatre arts as announced in Schedule of Classes.

• **TA 459 - Hispanic Play Production  
(also listed as SPAN 459)**

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(3–4)

Prerequisite: Intermediate Spanish. Introduction to major forms of Spanish drama; mechanics and production of a major work of Hispanic theatre. May be repeated to total of 12 units, of which maximum of 4 may apply toward major.

• **TA 460 - Studies in Selected Dramatists**

---

(1–4)

Prerequisite: Two dramatic literature courses. Intensive study of one or several important dramatists; specific course content varies. May be repeated to maximum of 8 units as subject matter changes.

• **TA 461 - Nature of Dramatic Comedy**

---

(4)

Prerequisite: TA 152 or a course in dramatic literature. Theory and techniques of comedy in literature and entertainment arts; emphasis on kinds of comedy in historical perspective.

• **TA 462 - Nature of Dramatic Tragedy**

---

(4)

Prerequisite: TA 152. Stage tragedy from ancient Greece to present; major theories and kinds of tragedy, and evolution of tragic hero and



heroine.

- **TA 463 - Shakespeare as Living Theatre**

---

(4)

Prerequisites: TA 152; ENGL 417. History and theories involved in bringing Shakespeare's drama to life on stage. Analysis of major plays in relation to their potential production in contemporary theatre.

- **TA 464 - Contemporary U.S. Theatre**

---

(4)

Prerequisites: TA 311, 312, 313. Significant directors, designers, companies, playwrights, and plays in U.S. theatre since the 1960's. Effects of government funding, Civil Rights movement, the international avant garde, and multiculturalism will be examined.

- **TA 471 - Theatre of the Avant-Garde**

---

(4)

Prerequisite: TA 152. Translation studies in development of avant-garde in French-, German-, and English-speaking theatres. Emphasis on experimental drama as producible, living theatre.

- **TA 472 - History and Analysis of Lyric Theatre**

---

(4)

Study and evaluation of lyric theatre from its origin to present; emphasis on development of form and style, analysis of representative works, emergence of American lyric theatre.

- **TA 475 - Dramaturgy**

---

(4)

Prerequisites: TA 311, 312, 313; or consent of the instructor. The theory and practice of process, production, and institutional dramaturgy. Practical exercises with directors and playwrights.

- **TA 476 - Play Writing**

---

(4)

Prerequisites: TAD majors must have completed all lower division requirements, TA 313 or instructor consent. Workshop in planning, preparing, and writing manuscripts for stage; emphasis on handling dramatic materials, play structure, characterization, and appropriate dialogue. May be repeated to a maximum of 8 units for credit.

- **TA 477 - Psychodrama**

---

(4)

Prerequisites: Twelve units selected from following: TA 301; PSY 308, 412AB, 418AB. Theory and practice of psychodrama and role playing; experience in psychodrama sessions as protagonists, doubles, and auxiliaries; warm-ups, role reversal, soliloquy, and other techniques. May be repeated to maximum of 8 units.

- **TA 478 - Therapeutic and Educational Uses of Drama**

---

(4)

Prerequisite: TA 301. Theory and practice of drama as a creative art in education and therapy: theatre games, video, photography, psychodrama, puppets and masks. May be repeated to a maximum of 8 units.

## TA 479 - Life Scripts




---

(4)

Individual life programming employing drama therapy; effects of family/cultural messages on choices; writing and enactment of scenes revealing life scripts providing alternatives. Additional hours required. May be repeated to maximum of 8 units.




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## Course Descriptions

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### Theatre Arts (Undergraduate)

All 400-level courses in Theatre Arts (TA) may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: TA 499.

#### • TA 480 - Cinema as a Dramatic Art

---

(4)

Comparative analysis of dramatic media, consideration of media as art forms; emphasis on "Great Films" series. May be repeated to a maximum of 8 units with instructor consent.

#### • TA 485 - Children's Film

---

(4)

Prerequisite: PSY 412A recommended. Instructional and aesthetic elements in films for preschool to adolescent children; film techniques, audience analysis, and development of a rationale for designating films appropriate for various age levels.

#### • TA 489 - Advanced Creative Workshop

---

(2)

Prerequisite: Instructor consent. Active participation in student-generated, University-sponsored dramatic activities. Assignments may include acting, directing, playwriting, dramaturgy, design, choreography, or stage management. May be repeated a maximum of 6 units.

#### • TA 499 - Undergraduate Directed Study

---

(1-4)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor prior to registration; progress meetings held regularly and final report submitted. May be repeated to a maximum of 12 units for credit.

### Theatre Arts (Graduate)

All 400-level courses in Theatre Arts (TA) may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: TA 499.

Classified graduate standing is required for admission to all 500-level courses.

#### • TA 510 - Projects in Teaching Theatre, Performance and Dance

---

(1-4)

Planned preparation, ongoing supervision and critical evaluation of undergraduate theatre and dance courses taught by current graduate students. May be repeated to a maximum of 8 units.

#### • TA 511 - Seminar: Special Studies in Performance History

---

(4)

Significant era or movement in performance history. Specific subject determined by student needs and interests. May be repeated to a

maximum of 8 units for credit.

- **TA 541 - Seminar: Theories of Acting**

---

(4)

Prerequisite: At least one upper division course in acting or directing. Major theories of acting from Diderot to present with special emphasis on origins, esthetics, and psychology of acting.

- **TA 566 - Seminar: Dramatic Theory**

---

(4)

Prerequisite: At least one upper division course in dramatic theory or dramatic literature. Backgrounds in theatrical art, analysis of aesthetic principles and content of theatre; selected problems in philosophy of dramatic art.

- **TA 572 - Seminar: Topics in the Research of Performance Literature**

---

(4)

Research in performance literature; Survey of writings in various areas of contemporary dance and theatre scholarship; Emphasis on current journal publications. Individual research including abstracts, thesis proposals and/or chapters. The course may be repeated for a maximum of 8 units.

- **TA 577 - Seminar: Drama Therapy Techniques**

---

(4)

Prerequisite: TA 478. Advanced psychodramatic and projective drama therapy techniques exploring video, photography, puppetry, face painting, sand play, masks, and other creative media. May be repeated to maximum of 8 units.

- **TA 578 - Seminar: Drama Therapy Assessment and Treatment**

---

(4)

Theories of drama therapy, research, assessment, diagnosis, and treatment interventions. May be repeated to maximum of 8 units.

- **TA 579 - Seminar: Case Studies in Drama Therapy**

---

(4)

Prerequisites: TA 478, 479. Advanced theories and techniques of drama therapy applied to individual casework. May be repeated to maximum of 8 units.

- **TA 594 - Field Work/Internship Drama Therapy**

---

(1–4)

Prerequisite: TA 478. Independent supervised field experience in drama therapy internships with individuals, groups, and families. May be repeated to maximum of 16 units.

- **TA 595 - Graduate Performance**

---

(1–4)

Prerequisite: Consent of graduate adviser. Demonstration of graduate level proficiency in a major performance situation; research or analytical written project directly related to performance. May be repeated to maximum of 4 units.

- **TA 596 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **TA 598 - Graduate Directed Study**

---

(1–4)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

- **TA 599 - Thesis or Project**

---

(1–6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. May be repeated to maximum of 6 units. Graded CR/NC.

### Theatre Arts and Dance (Undergraduate)

- **TAD 101 - Introduction to Theatre Arts and Dance**

---

(1)

Introduction to the fundamentals of performance training in theatre arts and dance in the university. Portfolio preparation. Additional hours required.

- **TAD 131 - Stagecraft I**

---

(3)

Technical theatre and dance practices developed in lectures, demonstrations, and workshop experience; basic tools and techniques of scenery construction; reading technical drawings; technical theatre procedures and organization. Additional hours required.

- **TAD 132 - Stagecraft II**

---

(3)

Technical theatre and dance practices developed in lectures, demonstrations, and workshop experience; stage properties, drafting techniques, basic stage lighting, and sound effects. Additional hours required.

- **TAD 133 - Stagecraft III**

---

(3)

Introduction to basic materials, tools, construction techniques, costume paint and dye techniques, and wardrobe plotting used in costuming for the performing arts. Lecture 2 hours, laboratory 3 hours. Additional hours required.

- **TAD 149 - Breath, Movement, Voice I**

---

(3)

Fundamentals of vocal training for the performer with an emphasis on effective breathing techniques. Yoga, centering and alignment; awareness of and development of correct vocal production and placement; physical exercise.

- **TAD 316 - Theatre and Dance in 20th Century Urban Contexts**

---

(4)

Prerequisites: Completion of Basic Subject (Block A) and one course from Block C. Examines prominent 21st century dance and theatre artists, companies and venues in the context of their urban environments. Field work in Los Angeles includes visiting artists and attending local performances.

• **TAD 339 - Stage Management**

---

(3)

Prerequisites: TAD 132-133 or equivalent. Assembling prompt book, blocking and movement notation, and organization and communication procedures; application to production; detailing the process from preproduction and rehearsals through performance to post production. Additional hours required.

• **TAD 348 - Breath, Movement, Voice II**

---

(3)

Prerequisites for TAD majors: TAD 133, TAD 149, TA 143 or instructor consent. Development of movement as well as techniques in physicalization, composition and evaluation will be investigated. May be repeated to a maximum of 9 units.

• **TAD 349 - Breath, Movement, Voice III**

---

(3)

Prerequisite: TAD 149, TAD 348 or instructor consent. Voice, diction, and dialect training for the stage. Development of natural and responsive voice production and the technique of diction and dialects appropriate to the demands of performance.

• **TAD 390 - Performance Research and Writing**

---

(4)

Prerequisite: Satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). Advanced research and writing practice with emphasis on critical and mechanical skills appropriate for theatre arts and dance majors.

• **TAD 439 - Arts Management**

---

(4)

Prerequisites: Completion of lower division requirements, or graduate standing. Historical evolution, theory development and practice of arts administration and theatre management. Additional hours required.

• **TAD 462 - Asian Theatre**  
(also listed as AAAS 462)

---

(4)

Explores performance practices in a selected region of Asia. Selected topics include: dramaturgical structure, staging, gender conventions, performer training, audience, communal and national identity, social and political contexts. May be repeated to maximum of 8 units for credit as content changes.

• **TAD 463 - Asian American Theatre and Performance**  
(also listed as AAAS 463)

---

(4)

An exploration of the performance traditions of Asian Americans as understood through their social political, and historical contexts.

• **TAD 464 - Performing Race**

---

(4)

Prerequisite: TAD 390 or instructor consent. Exploration of ways race is "performed" on stage and off. Issues covered include: aesthetics of representation, performativity, gender/sexuality, parody/subversion, identification/disidentification.

- **TAD 467 - Theory and Method in Performance Studies**  
(also listed as COMM 467)

---

(4)

Prerequisite: Upper division course in COMM, TA or DANC. Introduction to major theoretical perspectives in performance studies and to key methodologies for investigating performance in/as culture. Central concepts include social drama and performance ethnography.

- **TAD 468 - Performance and Social Change**  
(also listed as COMM 468)

---

(4)

Prerequisite: COMM 367 or 467 or upper division theory course in TA, DANC or rhetoric. Aesthetic, pedagogical underpinnings of performance and social change. Relationship between performance and liberation in avant-garde works and across cultures. Theoretical and pragmatic concerns as these emerge in production.

- **TAD 486 - Cross Cultural Approaches to Social Performance**

---

(3)

Prerequisites: TAD 467, 468. Crosscultural applications of improvisation experimental performance and playback techniques in the development of social action activities in community and educational setting. Fulfills community performance practicum requirement.

#### Theatre Arts and Dance (Graduate)

- **TAD 500 - Graduate Research in Performance**

---

(4)

Introduction to research techniques, critical approaches, play and dance analysis, and performance criticism. Survey of current journals

- **TAD 512 - Seminar in World Performance**

---

(4 Units)

An overview of the theory and history about world dance, theatre, and performance traditions in Africa, South and North America, the Caribbean, Asia, and the Pacific Islands.

- **TAD 570 - Seminar: Experimental Theatre Performance**

---

(4)

Significant theatrical, dramatic, dance, and performance theorists and practitioners who have influenced the search for experimental forms in 20TH and 21ST century theatre arts and dance.

- **TAD 574 - Theories in Performance**

---

(4)

Theoretical approaches to, and critiques of, identity, meaning, representation and power as these emerge in and affect theatre and dance studies. Includes study of primary and secondary sources in dance and theatre.

#### University Courses (Undergraduate)

*NOTE: Courses that are designated University (UNIV) frequently are interdisciplinary in nature. Some, such as UNIV 396, Honors Program Seminar, are limited to certain categories of students. Cooperative Education (UNIV 298, 398, and 498) and CPEL (UNIV 295) courses appear in this catalog under the title UNIV, but appear in the Schedule of Classes with the course abbreviations used by the various departments, divisions and schools that offer them.*

- **UNIV 054 - Special Topics**

---

(1–4)

Prerequisite: Varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes. No credit toward baccalaureate.

- **UNIV 060 - Study Group**

---

(1)

Corequisite: Associated course. Lecture methods and study skills development including reading comprehension, critical analysis of course content, time and task management, notetaking, and test preparation.

- **UNIV 101 - Introduction to Higher Education for Undeclared Majors: Living an Examined Life**

---

(4)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded ABC/NC

**Freshman IHE and Block E**

- **UNIV 154 - Special Topics**

---

(1–4)

Prerequisite: Varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 254 - Special Topics**

---

(1–4)

Prerequisite: Varies with specific topic. Topics of special interest as announced in Schedule of Classes. Graded CR/NC.

- **UNIV 295 - Credit for Prior Experiential Learning**

---

(1–4)

Prerequisite: At least 45 units in residence but not more than 165 total units completed. Approval for registration must be obtained through University Undergraduate Studies office. Preparation of materials and portfolios documenting prior college-level learning acquired in nonacademic settings. Upon successful completion, 1–4 resident units will be awarded. In addition, 1–8 units for nongraded, nonresident credit may be awarded for prior learning. These units may be upper or lower division and may apply toward the major with major department approval. Graded CR/NC.

- **UNIV 298 - Preparation for Cooperative Education**

---

(2)

Techniques of relating major to internship (work experience) through discipline-based research; documentation of transferable skills through resumes, interviews, and other reporting techniques appropriate to academic concentration; designed to enhance internship performance. Graded CR/NC.

- **UNIV 301 - Transition to CAL STATE LA for Undeclared Majors**

---

(2)

Exploration of skills and resources designed to help transfer students attain degree objectives. This course is especially designed for undergraduate transfer students who have not yet declared a major and meets University requirements for an Introduction to Higher Education course for transfer students. Graded ABC/NC, NIS account required.



- **UNIV 354 - Special Topics**

---

(1–4)

Prerequisite: Varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 396 - Honors Program Seminar**

---

(2)

Prerequisite: Limited to students in the GE Honors Program. Critical reading of seminal works affecting human thought and achievement. Topic and instructor(s) vary each quarter. May be repeated to maximum of 4 units.

- **UNIV 398 - Cooperative Education**

---

(1–4)

Prerequisites: Courses appropriate to the work experience; approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- **UNIV 399 - Cooperative Education Honors**

---

(1–4)

In addition to prerequisites for UNIV 398, the prerequisites are UNIV 298 and eligibility to participate in a university or departmental honors program. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- **UNIV 400 - Writing Proficiency Examination**

---

(0)

See Upper Division Writing Requirements in the Undergraduate Studies: General Information Chapter.

- **UNIV 401 - Writing Proficiency**

---

(4)

Prerequisites: ENGL 102\* and at least one attempt of the Writing Proficiency Exam (WPE). Development of a writing portfolio required to satisfy Graduation Writing Assessment Requirement (GWAR)/WPE. Instruction to assist student in achieving satisfactory levels of writing performance. Graded CR/NC. \*Students subject to earlier catalogs satisfy this prerequisite with ENGL 101 or 190.

- **UNIV 454 - Special Topics**

---

(1–4)

Prerequisite: Varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 498 - Advanced Cooperative Education**

---

(1–4)

Prerequisites: Completion of senior level courses appropriate to experience; approval by major department Cooperative Education coordinator. Participation in work experience integrated with academic program; assignments arranged individually in advance through coordinator. Minimum of 10 hours per week required for each unit. Students in departments with graduate Cooperative Education programs may apply maximum of 4 units toward graduate degree program. Graded CR/NC.

- **UNIV 599 - Thesis or Project for Interdisciplinary Studies Master's**

---

(1–8)

Prerequisites: Advancement to candidacy, formal approval of topic by advisory committee. Independent study resulting in a thesis or project. Oral examination on thesis required. Open to Interdisciplinary Studies Master's students only.

- **UNIV 900 - Thesis Research**

---

(0)

Courses in the 900 series (UNIV 900) are open only to graduate students who have previously enrolled in all allowable research units (597) and are not enrolled in any other credit-bearing courses or thesis or project units (599), but will use University facilities or consult with faculty.

#### Urban Analysis (Undergraduate)

- **URBA 180 - The Urban World**

---

(4)

Worldwide issues relating to the physical, technological, economic, political, historical, sociological and environmental characteristics of urban areas.

GE D

- **URBA 409 - U.S. Latinos, Culture, and Global Cities  
(also listed as CHS 409)**

---

(4)

Examination of Latino demographic growth and the impact it is having on the culture and design of major American cities and its potential for social and political change

#### Urban Learning (Undergraduate)

- **ULRN 460 - Assessment and Learning**

---

(4)

Basic principles and applications of educational assessment. Topics include learning goals and objectives, multidimensional assessment strategies, including formal (e.g., standardized tests) and informal (e.g., rubrics), measures, use of data to guide instruction, and communicate results.

- **ULRN 461 - Learning and Critical Thinking**

---

(4)

Perspectives and practices to integrate inquiry, problemsolving, critical thinking, metacognition, and self-regulation into urban learning settings. Views of learning, intelligence and their growth through multiple learning styles are also examined.

- **ULRN 462 - The Role of Play in Learning**

---

(4)

Prerequisite: California Commission on Teacher Credentialing Certificate of Clearance or California Child Development permit. Dynamics of the role of group and individual play in children's learning. Emphasis on understanding human development, behavior, and adult facilitation of learning. Observation in early education settings required.

- **ULRN 463 - Literacy and the Urban Community**

---

(4)

Prerequisite: California Commission on Teacher Credentialing Certificate of Clearance or California Child Development permit. Basic concepts

of emerging literacy in the urban community: family literacy, language acquisition, phonemic awareness and techniques for integrating early reading, writing, listening, and speaking skills. Field site application through communitybased experiences and service learning. Lecture 2 hours, activity 2 hours.

- **ULRN 464 - Contemporary Issues in Knowledge, Culture and Learning**

---

(4)

Theoretical approaches to understanding the construction of knowledge in and through culture. Contemporary Issues and problems in a diverse learning community.

- **ULRN 469 - Senior Seminar: Reflection, Assessment, and Writing**

---

(4 units)

Capstone activities for students in urban teaming major. Involves papers, reflections, and final project integrating the outcomes of the teaming experience.

### **Vietnamese (Undergraduate)**

- **VIET 100A - Elementary Vietnamese**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Vietnamese. Introduction to the customs, culture, and institutions of the Vietnamese-speaking people.

- **VIET 100B - Elementary Vietnamese**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Vietnamese. Introduction to the customs, culture, and institutions of the Vietnamese-speaking people.

- **VIET 100C - Elementary Vietnamese**

---

(4)

Prerequisite: See Departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of fundamental structure of the language through hearing, speaking, reading, and writing Vietnamese. Introduction to the customs, culture, and institutions of the Vietnamese-speaking people.

### **Women's and Gender Studies (Undergraduate)**

*All 400-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser*

- **WOMN 200 - Introduction to Women's and Gender Studies**

---

(4)

Theoretical foundation for the fields of women's studies and gender studies; introduction to feminist theories; interdisciplinary perspectives on gender, sex, and power.

- **WOMN 203 - Gender and Race in the United States**

---

(4)

Examines from an interdisciplinary perspective how concepts of race and gender intersect with each other in lived experience, and in relation to ethnicity, class, gender, and sexuality, and how other social categories shape the lives of women of color in the U.S., including such ethnic

groups as African-American, Asian Americans, Chicanas/Latinas, and Native-Americans.

**GE D ; Approved diversity course**

• **WOMN 400 - Women's and Gender Studies: Theories and Methods**

---

(4)

Prerequisites: ENGL 102, WOMN 200, upper division standing. Advanced interdisciplinary theories and methods in Women's and Gender Studies and the history of the field.

• **WOMN 410 - Chicana and Mexican Women Writers**  
(also listed as CHS 413 and ML 410)

---

(4)

Prerequisite: ENGL 305 or SPAN 300A or equivalent. Reading knowledge of Spanish, class discussions and instruction in English. Comparative study of contemporary Mexican and Chicana female writers with a focus on gender and sexuality issues, and their particular historical and cultural context.

• **WOMN 413 - Issues in Feminist Philosophy**  
(Also listed as PHIL 413)

---

(4)

Prerequisite: one PHIL course. Central philosophical concepts and issues investigated from feminist perspectives for example, topics in epistemology, philosophy of science, ethics, and personal identity. May be repeated to a maximum of 8 units as topics vary.

• **WOMN 416 - Feminist Theories and Contemporary Society**  
(Also listed as SOC 416)

---

(4)

Examination of the various feminist theories, all of which focus on some aspect of gender inequality. Implications of each theory and their applications to contemporary society are also discussed.

• **WOMN 448 - Sexualities and Gender Diversity in Global Perspective**  
(also listed as ANTH 448)

---

(4)

Prerequisite: ANTH 250 or consent of the instructor. This course examines the diversity of forms of sexuality and their relationship to gender constructs around the world, with a focus on non-Western societies

• **WOMN 454 - Special Topics in Women's Studies**

---

(4)

Prerequisites: As needed for specific topic. Topics of special interest in women's studies with variable content announced in Schedule of Classes. May be repeated to total of 8 units as subject matter changes.

• **WOMN 465 - Gender, Sexuality, and Transnational Migration**  
(also listed as CHS 465 and LAS 465)

---

(4)

Explores international migration through the lens of gender and sexuality. Interdisciplinary examination of perspectives on socio-economic and legal issues affecting the lives, identities, and narratives of transnational (im)migrants.

• **WOMN 482 - Latin American Women's Movements**  
(also listed as CHS 482 and LAS 482)

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(4)

Examines Latin American women's movements and feminist organizing in the U.S., Mexico, Central America, South America, and the Caribbean.

- **WOMN 484 - Chicana/Latina Narratives and Community History**

---

(4)

Students learn to conduct oral history interviews, and analyze the narratives told by Chicana and Latina women about the communities in which they have lived, worked, and participated.

- **WOMN 491 - Proseminar: Women's Studies**

---

(1–4)

Prerequisite: WOMN 200. Topics of special interest in women's studies (variable content announced in Schedule of Classes. May be repeated for total of 4 units.

- **WOMN 499 - Undergraduate Directed Study**

---

(1–8)

Prerequisite: Project selected in conference with sponsor/instructor before registration, progress meetings held regularly, and final report submitted. May be repeated to total of 8 units as subject matter changes.

#### Women's and Gender Studies (Graduate)

- **WOMN 500 - Integrative Seminar in the Study of Women, Genders, and Sexualities**

---

(4)

Prerequisite: Graduate or Post-Baccalaureate standing. Theoretical and methodological issues in the analysis of women, genders and sexualities and intersections with race/ethnicity, class, and nation. Applications of frameworks from these fields to research and to work with communities.

#### Youth Agency Administration (Undergraduate)

- **YAA 290 - Introduction to Youth Agency Administration**

---

(4)

History, philosophy, programs, and organization of the major national voluntary youth service agencies from a professional management perspective; role of the professional executive; the nature of volunteerism. Required field visits.

- **YAA 467 - The Third Sector and Nonprofit Organizations  
(also listed as POLS 467)**

---

(4)

Starting and managing nonprofit enterprises; differences between public, nonprofit, and for-profit organizations; nature and scope of the third sector; grant writing project.

- **YAA 490 - Volunteer Management and Fund-Raising**

---

(4)

Prerequisite: YAA 290. Development of executive skills in managing volunteers and raising funds for youth-serving agencies; sources and techniques of financial development or community agencies; management of voluntary staff and directorial boards.

## YAA 495 - Directed Field Experience

---

(4)

Prerequisites: YAA 290, YAA 467, five or more YAA program interdisciplinary courses completed, consent of instructor and agency acceptance. Student placement to provide experience under supervision in a youth agency. Individual evaluative conferences. Graded CR/NC only. If student receives a "NC" grade, they may repeat the entire fieldwork/internship only once at another agency.

## • YAA 499 - Undergraduate Directed Study

---

(1–4)

Prerequisites: YAA 290, upper division standing, consent of a faculty sponsor, approval of program coordinator, approval of proposed project prior to registration, ability to assume responsibility for independent research and analysis. Project selected in conference with sponsor; progress meetings held regularly and a final report submitted. May be repeated to maximum of 16 units.

## Full-time Tenured and Tenure-track Faculty


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Listings corrected to July 13, 2011. Year in parentheses indicates year of appointment as a full-time tenure-track faculty member.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

### A

**Russell J. Abbott (1987)** **Professor of Computer Science**  
B.A., 1962, Columbia University; M.A., 1963, Harvard University; Ph.D., 1973, University of Southern California

**Melina Abdullah (2002)** **Acting Chair and Associate Professor of Pan African Studies**  
B.A., 1994, Howard University; M.A., 1996, Ph.D., 2002, University of Southern California

**Mohammed K. Abed (2008)** **Assistant Professor of Philosophy**  
B.A., 1999, Victoria University, New Zealand; MSC, 2001, University of London

**Emily Acevedo (2008)** **Assistant Professor of Political Science**  
B.A., 1992, University of California Berkley, M.A., 1999, Claremont Graduate University, Ph.D., 2007, Claremont Graduate University

**Raquel Ackerman (1987)** **Associate Professor of Anthropology**  
B.A., 1976, Columbia University; Ph.D., 1986, Kings' College, University of Cambridge, U.K.

**Laura Chey Acuña (1990)** **Professor of Broadcasting**  
B.A., 1978, California State College, Long Beach; M.F.A., 1986, University of California, Los Angeles

**Martin J. Adamian (2006)** **Assistant Professor of Political Science**  
B.A., 1993, Central Michigan University; J.D., 1996, Wayne State University Law School; Ph.D., 2006, Colorado State University.

**Pauline Agbayani (2002)** **Professor of Social Work**  
B.A., 1981, M.S.W., 1984, Ph.D., 1993, University of California, Los Angeles

**Manuel Aguilar-Moreno (1999)** **Professor of Art**  
Diploma in Education, 1994, Instituto Tecnológico y de Estudios Superiores de Occidente, Mexico; Diploma in History of Mexico, 1995, Colegio de Jalisco, Mexico; M.A., 1997; Ph.D., 2000, University of Texas, Austin

**Olaiya Aina (2006)** **Professor of Education**  
B.A., 1989, M.Ed., 1990, University of Ibadan, Nigeria; Ph.D., 1996, University of Alberta, Canada

**Vladimir N. Akis (1982)** **Professor of Computer Science**  
B.A., 1976, California State College, Sacramento; M.A., 1977, University of California, Berkeley; Ph.D., 1982, University of California, Davis

**Bryant Alexander (1998)** **Professor of Communication Studies**  
B.A., 1985, M.S., 1987, University of Southwestern Louisiana; Ph.D., 1998, Southern Illinois University Carbondale

**Radi A. Al-Jishi (1986)** **Professor of Physics**  
B.S., 1975, American University of Beirut, Lebanon; Ph.D., 1982, Massachusetts Institute of Technology

**Bradford Allison (2007)** **Assistant Professor of Education**  
B.A., 1969, Carthage College, Kenosha; M.S., 1976, University of Wisconsin-Milwaukee; Ph.D., 1981, University of Wisconsin-Madison

**Joanne Altschuler (1995)** **Professor of Social Work**  
A.B., 1971, Indiana University; M.A., 1975, Hebrew Union College; M.A., 1975, Ph.D., 1994, University of Southern California

**Gaston Alzate (2006)** **Associate Professor of Spanish**  
B.A., 1993, Universidad Javeriana, Colombia; M.A., 1991, Universidad del Rosario, Colombia; Ph.D., 1997, Arizona State University

**E. Frederick Anderson (1991)** **Professor of Social Work**  
B.A., 1965, California State University, Los Angeles; M.S.W., 1967, San Diego State University; Ph.D., 1976, University of Southern California; L.C.S.W., 1969, M.F.C.C., 1969, California

**Paul Anderson (2009)** **Assistant Professor of Art History**  
B.A., 1984, M.A., 1987, Ph.D., 2008, University of California, Santa Barbara Art History

**Gregory D. Andranovich (1993)** **Professor of Political Science**  
B.A., 1978, Clinch Valley College University of Virginia - Wise; M.A., 1980, George Mason University; Ph.D., 1984, University of California, Riverside

**Lois N. Andre-Bechely (2001)** **Associate Professor of Education**  
B.A., 1988, M.A., 1989, Ph.D., 1999, University of California, Los Angeles

**Gretchen Angelo (1995)** **Professor of French and Spanish**  
B.A., 1987, State University of New York at Buffalo; Ph.D., 1994, Yale University

**Konrad A. Aniol (1984)** **Professor of Physics**  
B.S., 1970, University of Illinois; M.S., 1973, McMaster University, Canada; Ph.D., 1977, Australian National University

**Paula Arvedson (1999)** **Associate Professor of Education**  
B.A., 1982, M.A., 1984, California State University, Los Angeles; Ph.D., 1999, University of California, Los Angeles

**Sheri Atwater (2003)** **Associate Professor of Education**  
B.A., 1996, Stanford University; M.A., 1999; Ph.D., 2003, University of California, Berkeley

**Mohammad Auwal (1994)** **Professor of Communication Studies**  
B.A., 1981, Jahangirnagar University, Bangladesh; M.A., 1991, Ph.D., 1994, Ohio University

**Mohammad B. Ayati (1982)** **Professor of Information Systems**  
B.S., 1966, University of Tehran, Iran; M.S., 1975, Ph.D., 1980, University of California, Los Angeles

## **B**

**Yong Ba (2000)** **Professor of Chemistry**  
B.S., 1986, M.A., 1989, Jilin University, China, Ph.D., 1995, Gerhard- Mercator-University of Duisburg, Germany

**Kevin Baaske (1988)** **Professor of Communication Studies**  
B.A., 1976, M.A., 1978, University of Wisconsin–Milwaukee; Ph.D., 1989, University of Southern California

**Sofya Bagdasaryan (2009)** **Assistant Professor of Social Work**  
BA, 1997, University of California, San Diego, MSW, 2001, University of California, Los Angeles, Ph.D., 2005, University of California, Los Angeles,

**Chunsheng Bai (1998)** **Professor of Communication Studies**  
B.A., 1984, Tianjin Foreign Language Institute, People's Republic of China; M.A., 1988, State University of New York, Albany; Ph.D., 1998, University of Southern California

**Beth Baker-Cristales (2002)** **Acting Chair of Latin American Studies and Associate Professor of Anthropology**  
B.A., 1989, Sarah Lawrence College; M.A., 1991, Ph.D., 1999, University of New Mexico

**Mark Balaguer (1992)** **Professor of Philosophy**  
B.A., B.S., 1986, University of Colorado; Ph.D., 1992, City University of New York

**Francisco E. Balderrama (1984)** **Professor of Chicano Studies. and History**  
B.A., 1970, Loyola University of Los Angeles; M.A., 1972, Ph.D., 1978, University of California, Los Angeles

**Pablo Baler (2006)** **Assistant Professor of Spanish**  
B.A., 1991, Hebrew University of Jerusalem; M.A., 1994, Stanford University; Ph.D., 2006, University of California, Berkeley

**Thomas Barkley, Jr. (2001)** **Professor of Nursing**  
B.S.N., 1986, University of Alabama; M.S.N., 1989, University of Virginia; D.S.N., 1994, University of Alabama at Birmingham

**Deborah R. Baskin (1995)** **Professor of Criminal Justice and Criminalistics**  
B.A., 1975, State University of New York-Buffalo; M.S., 1976, Northeastern University; Ph.D., 1984, University of Pennsylvania

**Robert Benjamin Bateman (2009)** **Assistant Professor of English**  
B.A., 2003, University of Virginia

**Nicholas Bauch (2011)** **Assistant Professor of Geography**  
B.S, 2001, University of Wisconsin—Madison; M.S, 2005; Ph.D, 2010, UCLA

**Jon Beaupré (2002)** **Associate Professor of Broadcasting**  
B.A., 1976, University of Nevada, M.F.A., 1978, New York University



**Gerald Beer (1971)** **Professor of Mathematics**  
B.A., 1967, University of California, Santa Barbara; M.A., 1969, Ph.D., 1971, University of California, Los Angeles

**Theodore S. Bell (1998)** **Professor of Psychology**  
B.M., 1977, M.A., 1981, University of Louisville; Ph.D., 1986, University of California, Los Angeles

**Beryl L. Bellman (1989)** **Professor of Communication Studies**  
B.A., 1964, M.A., 1966, University of California, Los Angeles; Ph.D., 1971, University of California, Irvine

**Dolores Beltran (2003)** **Assistant Professor of Education**  
B.A., 1976, Pacific Oaks College; Ph.D., 2004, University of Southern California

**Jeffrey W. Benedict (1989)** **Professor of Music**  
B.Mus., 1980, M.A., 1982, University of Denver; D.M.A., 1992, University of Texas, Austin

**Blair J. Berkley (1995)** **Professor of Management**  
B.S., 1979, Ohio State University; M.B.A., 1980, M.A., 1985, University of Arizona; Ph.D., 1988, University of Southern California

**Luis Bermudez (2002)** **Associate Professor of Art**  
B.A., 1976, CSU, Northridge, M.A., 1978, CSU, Northridge, M.F.A., 1980, University of California, Los Angeles

**Oscar O. Bernal (1997)** **Professor of Physics**  
B.S., 1986, Universidad Nacional de Colombia, Bogota; M.S., 1989, California State University, Los Angeles; Ph.D., 1994, University of California, Riverside

**Enrique Berumen (1997)** **Associate Professor of Broadcasting**  
B.A., 1988, University of California, Santa Cruz; M.F.A., 1991, University of Southern California

**Sherwood Best (1993)** **Professor of Education**  
B.A., 1973, Pitzer College; M.A., 1980, California State University, Los Angeles; Ph.D., 1995, University of California, Riverside

**Talia Bettcher (2000)** **Associate Professor of Philosophy**  
B.A., 1991, York University, Canada; Ph.D., 1999, University of California, Los Angeles

**Roberta L. Beyer (2009)** **Associate Professor of Kinesiology**  
BS, 1981, California State Polytechnic, Pomona, MS, 1987, California State Polytechnic, Pomona, Ph.D., 1993, Texas Woman's University, Denton, Texas

**Jens D. Biermeier (1985)** **Professor of Marketing**  
B.S., 1974, Fachhochschule of Cologne, Germany; M.B.A., 1977, Ph.D., 1982, University of Essen, Germany

**Kim M. Bishop (1993)** **Chair of Geosciences and Environment and Professor of Geological Sciences**  
B.S., 1979, University of California, Los Angeles; M.S., 1985, California State University, Northridge; Ph.D., 1994, University of Southern California

**Carol Blaszczyński (1997)** **Professor of Information Systems**  
B.S., 1978, M.A., 1982, California State University, Los Angeles; Ph.D., 1997, Claremont Graduate School

**David Blekhan (2007)** **Associate Professor of Technology**  
B.S., M.S., 1995, Saint Petersburg State Technical University, Ph.D., 2002, State University of New York - Buffalo

**Alan J. Bloom (1981)** **Professor of Broadcasting**  
B.A., 1973, Sonoma State College; M.F.A., 1975, California College of Arts and Crafts

**Cristina Bodinger-de Uriarte (1994)** **Professor of Sociology**  
B.A., 1978, Yale University; Ph.D., 1989, Harvard University

**Daniel Borough (2002)** **Assistant Professor of Geography**  
B.A., 1993, M.A., 1999, California State University, Los Angeles; Ph.D., 2002, Arizona State University.

**Maria Kathleen Boss (1988)** **Professor of Finance and Law**  
B.A., 1965, University of California, Davis; J.D., 1974, University of California, Hastings College of Law; Admitted to the Bar, 1974, California

**Scott Bowman (1997)** **Chair and Professor of Political Science**  
B.A., 1971, University of California, Berkeley; M.A., 1974, Ph.D., 1989, University of California, Los Angeles

**Barbara Ann Boyer (1989)** **Professor of Art**  
B.S., 1958, State University of New York, College at Buffalo; M.A., 1968, California State College, San Jose; Ph.D., 1980, University of Oregon

**James Brady (1998)**                                 **Professor of Anthropology**  
B.A., 1970, University of California, Berkeley; M.A., 1974, California State College, Los Angeles; Ph.D., 1989, University of California, Los Angeles

**Scott A. Breivold (2000)**                                 **Librarian**  
B.A., 1985, Minnesota State University-Moorehead; M.L.S., 1986, University of Wisconsin-Madison

**Dwan M. Bridges (1991)**                                 **Professor of Kinesiology**  
B.S., 1975, M.Ed., 1976, Louisiana State University; M.S., 1984, Loyola University, Louisiana; Ph.D., 1992, Ohio State University

**Martin G. Brodwin (1988)**                                 **Professor of Education**  
B.A., 1966, University of California, Los Angeles; M.S., 1969, California State College, Los Angeles; Ph.D., 1973, Michigan State University

**Melissa A. Broeckelman-Post (2009)**                                 **Assistant Professor of Quantitative Research Methods**  
B.A., 2004, M.A., 2005, Kansas State University, Ph.D., 2009, Ohio University

**Gary Brookfield (2003)**                                 **Associate Professor of Mathematics**  
B.S., 1978, M.S. 1981, University of British Columbia Vancouver; Ph.D., 1997, University of California Santa Barbara

**Karin A. Elliott Brown (1998)**                                 **Director, School of Social Work and Professor of Social Work**  
B.S.W., 1984, Cornell University; M.S.W., 1986; M.A., 1988, Ph.D., 1990, University of Michigan

**Elizabeth R. Bryant (1990)**                                 **Professor of Art**  
B.F.A., 1973, Moore College of Art; M.F.A., 1980, University of Florida

**Lawson Bush (2002)**                                 **Professor of Education**  
B.S., 1993, M.A., 1994, California Polytechnic State University, San Luis Obispo, Ph.D., 1998, Claremont Graduate School

**Mary E. Bush (1993)**                                 **Professor of English**  
B.A., 1972, State University of New York at Buffalo; M.A., 1980, D.A., 1984, Syracuse University

## **C**

**Michael A. Calabrese (1994)**                                 **Professor of English**  
B.A., 1983, Columbia University; M.A., 1986, Ph.D., 1991, University of Virginia

**Laura Calderon (1993)**                                 **Professor of Nutritional Science**  
B.A., 1972, M.A., 1982, California State University, Los Angeles; Dr.P.H., 1992, Loma Linda University

**Bradley Campbell (2008)**                                 **Assistant Professor of Sociology**  
B.A., 1996, Lee College; M.A., 2000, Clemson University, Ph.D., 2008, University of Virginia

**Randy V. Campbell (1991)**                                 **Professor of Education**  
B.A., 1976, B.S., 1976, University of the Pacific; M.S., 1981, Rh.D., 1988, Southern Illinois University at Carbondale

**Roberto Cantú (1976)**                                 **Professor of Chicano Studies and English**  
B.A., 1968, M.A., 1970, California State College, San Diego; Ph.D., 1982, University of California, Los Angeles

**Anna Carastathis (2009)**                                 **Assistant Professor of Feminist Philosophy**  
B.A., 2003, University of Alberta; Ph.D., 2009, McGill University, Montreal

**Desdemona Cardoza (1988)**                                 **Professor of Psychology**  
B.A., 1975, University of California, Berkeley; M.A., 1979, Ph.D., 1982, University of California, Riverside

**Samantha Carrington (1986)**                                 **Associate Professor of Economics and Statistics**  
B.A., 1974, National University of Iran; M.A., 1981, Ph.D., 1985, University of California, Santa Barbara

**Michael J. Carter (1990)**                                 **Associate Professor of Education**  
B.A., 1979, University of California, Los Angeles; M.A., 1982, California State University, Northridge; MFCC, 1984, Ph.D., 1993, University of California, Los Angeles

**Mario Castaneda (2008)**                                 **Assistant Professor of Education**  
B.A., 1980, California State University, Long Beach; M.A., 1997, University of San Francisco; Ed.D., 2006, Pepperdine University

**Mauricio Castillo (2007)**                                 **Associate Professor of Technology**  
B.S., 1997, M.S., 2003, California State University, Los Angeles, Ph.D., 2007, Colorado State University

**Ramon A. Castillo (2003)**                                 **Associate Professor of Economics and Statistics**  
B.A., 1993, California State University, Northridge; M.A., 1998, University of Southern California, Irvine; Ph.D., 2000, University of California, Irvine

- Tammy Chan (2009)**                      **Assistant Professor of Mechanical Engineering**  
B.S., 1994, Rice University, M.S., 1996, University of California, Irvine, Ph.D., 2005, University of California, Irvine
- Derek K. Chang (1983)**                **Professor of Mathematics**  
M.S., 1978, Ph.D., 1983, University of California, Riverside
- Jack S. K. Chang (1985)**                **Professor of Finance and Law**  
B. Eng., 1972, National Taiwan University, Taiwan; M. Eng., 1975, University of Toronto, Canada; M.B.A., 1979, Ph.D., 1983, University of Houston
- Tammy Chan (2009)**                      **Assistant Professor of Mechanical Engineering**  
B.S., 1994, Rice University, M.S., 1996, University of California, Irvine, Ph.D., 2005, University of California, Irvine
- Lena Chao (1993)**                        **Professor of Communication Studies**  
B.A., 1978, University of California, Los Angeles; M.A., 1983, Ph.D., 1991, University of Southern California
- Hema Chari (1992)**                        **Professor of English**  
M.A., 1988, Ph.D., 1992, University of Southern California
- Choi Chatterjee (1994)**                **Professor of History**  
B.A., 1984, M.A., 1989, University of Calcutta, India; Ph.D., 1994, Indiana University
- Anna Chee (1998)**                        **Associate Professor of Education**  
B.A., 1986, California State University, Los Angeles; M.S., 1995, University of Southern California, Ph.D., 2002, University of Southern California
- Li-Hsueh Chen (1998)**                **Professor of Economics and Statistics**  
B.A., 1992, National Taiwan University; M.A., 1995, Ph.D., 1998, University of Michigan
- Pearl Chen (2002)**                        **Associate Professor of Education**  
B.S., 1984, Chinese Culture University, Taiwan, M.S., 1992, Ph.D., 1999, Kansas State University, Manhattan
- Mikyung Mika Cho (1991)**                **Professor of Art**  
B.F.A., 1982, M.F.A., 1984, Sook Myung Women's University, Korea; M.A., 1988, Ph.D., 1992, Illinois State University
- Wai Kit Choi (2007)**                        **Assistant Professor of Sociology**  
B.A., 1990, University of Wisconsin; M.A., 2000, University of Chicago; Ph.D., 2007, University of California Irvine
- Jon D. Christensen (2009)**                **Assistant Professor of Nursing**  
BS, 1989, Weber State University, Ogden, Utah, MS, 2000, Brigham Young University, Provo, Utah
- Margaret D. Clark (1999)**                **Associate Professor of Education**  
B.A., 1980, M.A., 1983, California State University, Los Angeles; Ph.D., 1998, University of California, Los Angeles/California State University, Los Angeles
- Msia Kibona Clark (2009)**                **Assistant Professor of Pan-African Studies**  
BA, 1998, Johnson C. Smith, MA, 2001, American University, Ph.D., 2001, Howard University
- Steven D. Classen (2000)**                **Associate Professor of Communication Studies**  
B.A., 1978, Biola University; M.A., 1986, University of Oregon; Ph.D., 1995, University of Wisconsin
- Nancy J. Cohick (2001)**                **Professor of Communication Disorders**  
B.A., 1993, University of California, Santa Barbara; M.A., 1994, University of the Pacific; Ph.D., 2001, University of Nebraska-Lincoln
- David N. Connors (1990)**                **Acting Associate Dean, College of Arts and Letters and Professor of Music**  
B.Mus., B.M.E., 1980, Bradley University; M.M., 1988, D.M.E., 1995, University of Cincinnati
- Randolph Cooper (2001)**                **Associate Professor of Mathematics**  
B.S., 1992, California State University, Los Angeles; Ph.D., 1996, University of California, Los Angeles
- Andrew Cornwell (1997)**                **Professor of Kinesiology**  
B.S., 1983, Portsmouth Polytechnic, England; M.S., 1987, Southampton University, England; M.S., 1992, Colorado State University; Ph.D., 1997, Louisiana State University
- Maria Dolores Costa (1992)**                **Professor of Spanish**  
B.A., 1985, M.A., 1987, Kent State University; Ph.D., 1992, University of Massachusetts
- Anthony Cox (2002)**                        **Associate Professor of Communication Studies**  
B.A., 1970, M.F.A., 1972, University of California, Los Angeles
- Valentino Crespi (2003)**                **Associate Professor of Computer Science**

Laurea Degree, 1992, Ph.D., 1997, University of Milan

**Susan Crimmins (2000) Professor of Social Work**

B.S., 1977, Northeastern University; M.S.W., 1984, Hunter College, M. Phil., Ph.D., 1995, City University of New York, John Jay College of Criminal Justice

**Cheryl A. Cruz (1992) Professor of Accounting**

B.S., 1969, University of Massachusetts; M.B.A., 1975, Northeastern University; J.D., 1978, University of California, Los Angeles; M.B.T., 1988, University of Southern California; C.P.A., California; Member, State Bar of California

**Gar Culbert (2009) Assistant Professor of Political Science**

B.A., 1997, University of California, Santa Cruz; M.A., 2001, Brandeis University; Ph.D., 2010, University of Virginia

**D**

**Fred Daneshgaran (1987) Chair and Professor of Electrical Engineering**

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**Abbas Daneshvari (1982) Chair and Professor of Art**

B.S., 1969, California State College, Hayward; M.A., 1971, University of Massachusetts; Ph.D., 1977, University of California, Los Angeles

**Taylor Dark (2007) Associate Professor of Political Science**

B.A., 1983, University of California Berkeley; M.A., 1986, University of California Berkeley; Ph.D., 1993, University of California Berkeley

**Rebecca L. Davis (1990) Professor of Art**

B.S., 1977, University of Delaware; Ph.D., 1984, University of Maryland

**Paul De Castro (1997) Professor of Music**

B.A., 1989, M.A., 1992, California State University, Los Angeles; D.M.A., 2002, University of Texas at Austin

**Ray D. de Leon (2001) Professor of Kinesiology**

B.S., 1990, Ph.D., 1998, University of California, Los Angeles

**D. Robert DeChaine (2004) Associate Professor of Liberal Studies**

B.A., 1994, CSU, San Bernardino, M.A., 1996, CSU, Los Angeles, Ph.D., 2002, The Claremont Graduate University

**George DeGraffenreid (2008) Professor of Music**

B.M.E., 1972, University of Colorado, Boulder; M.A. 1989, California State University, Los Angeles; Ph.D., 1995, University of Washington

**Richard C. Dean (2009) Assistant Professor of Kant and Ethics**

B.A., 1986, University of Oregon; M.A., 1991, Ph.D., 1999, University of North Carolina at Chapel Hill

**Rakel Delevi (2009) Assistant Professor of Child and Family Studies**

BS, BA, 2003, Koc University, Istanbul, Turkey, MA, 2005, Syracuse University, New York, Ph.D., 2008, Florida State University, Tallahassee

**Roger Delgado (1979) Professor of Social Work**

B.S., 1967, Brigham Young University; M.S.W., 1970, University of Texas; Ph.D., 1984, University of Southern California

**Jessica Michele Dennis (2005) Associate Professor of Psychology**

B.A., 1998, University of California Riverside, M.A., 2000, University of California Riverside, Ph.D., 2003, University of California Riverside

**Robert A. Desharnais (1988) Professor of Biological Sciences**

B.A., 1976, University of Massachusetts at Boston; M.S., 1979, Ph.D., 1982, University of Rhode Island

**David Díaz (2007) Professor of Chicano Studies**

B.A., 1974, California State University Northridge, M.C.R.P., 1976, University of California Berkeley, Ph.D., 1994, UCLA

**Mary L. Díaz (1977) Counselor**

B.A., 1971, San Fernando Valley State College; M.S.W., 1973, San Diego State College; Ph.D., 1994, Claremont Graduate School

**Melvin Donalson (2004) Professor of English**

B.A., 1973, Bates College, M.A., 1975, University of Iowa, Ph.D., 1981, Brown University

**Jianyu (Jane) Dong (2002) Professor of Electrical and Computer Engineering**

B.S., 1995, M.S., 1998, University of Science and Technology, China; Ph.D., 2002, Ohio State University

**Adelaide Doyle-Nichols (1999) Professor of Education**

B.A., 1981, M.A., 1990, California State University, Los Angeles; Ph.D., 1997, University of Southern California

**Elaine Draper (2002)** **Associate Professor of Sociology**  
B.A., 1976, University of California, Santa Cruz; M.A., 1979, Ph.D., 1985, University of California, Berkeley

**Ellen A. Drost (2006)** **Assistant Professor of Management**  
B.S., 1989, M.B.A., 1993, San Diego State University; Ph.D., 2001, Florida International University

**Domnita Dumitrescu (1987)** **Professor of Spanish**  
Diploma, University of Bucharest, Rumania; M.A., 1987, Ph.D., 1990, University of Southern California

**Pamela Dunne (1974)** **Professor of Theatre Arts**  
B.A., 1967, University of California, Los Angeles; M.A., 1970, University of Washington; Ph.D., 1974, Florida State University

**Ramani S. Durvasula (1999)** **Professor of Psychology**  
B.S., 1988, University of Connecticut; M.A., 1993, Ph.D., 1997, University of California, Los Angeles

**Christine Dy (2009)** **Assistant Professor of Kinesiology**  
BA, 2001, University of California, Berkeley.

**E**  
**Tim Ebner (2001)** **Associate Professor of Art**  
B.F.A. 1979, M.F.A., 1982, California Institute of the Arts

**John Eichinger (1992)** **Professor of Education**  
B.S., 1974, M.S., 1980, California State Polytechnic College, Pomona; Ph.D., 1990, Claremont Graduate School

**Mitchell L. Eisen (1997)** **Professor of Psychology**  
B.A., 1983, University of New Mexico; M.A., 1987, University of Chicago; Ph.D., 1993, University of Miami

**Edward Eivers (2011)** **Assistant Professor of Biological Sciences**  
B.Sc., 1999, Ph.D., 2004, National University of Ireland, Galway

**Rafik Z. Elias (2003)** **Professor of Accounting**  
B.S., 1991, Rutgers University-New Jersey; M.S., 1993; Long Island University; Ph.D., 1997, Louisiana Tech University

**Marilyn R. Elkins (1991)** **Professor of English**  
B.A., 1964, Tennessee Technological University; M.A.T., 1968, University of Tennessee at Chattanooga; M.A., 1970, Vanderbilt University; Ph.D., 1991, University of North Carolina at Chapel Hill

**EI-Hussein E. El-Masry (2002)** **Associate Professor of Accounting**  
Bachelor of Management Science, 1993; Sadat Academy for Management Science (Egypt); M.B.A., 1996; University of Memphis; Ph.D., 2003, University of Florida

**Andre Ellis (2009)** **Assistant Professor of Geological Sciences**  
B.Sc., 1995, University of Bombay (St. Xavier's College), India; M.Sc., 1997, Indian Institute of Technology—Bombay, India; Ph.D., 2003, University of Illinois at Urbana-Champaign

**Joel Ellwanger (2002)** **Associate Professor of Psychology**  
B.A., 1989, University of Wisconsin-Madison; M.S., 1994, Ph.D., 1997, Northwestern University

**Christopher Endy (2000)** **Professor of History**  
B.A., 1994, Duke University, M.A., 1996, Ph.D., 2000, University of North Carolina, Chapel Hill

**Louis Esparza (2011)** **Assistant Professor of Sociology**  
B.A., 2003, Tufts University; M.A, 2006, Ph.D., 2010, Stony Brook University

**Dionne Espinoza (2002)** **Associate Professor of Chicano Studies and Liberal Studies**  
B.A., 1990, University of California, Berkeley; M.A., 1994, Ph.D., 1996, Cornell University

**F**  
**Mary A. Falvey (1980)** **Dean, Charter College of Education and Professor of Education**  
B.A., 1972, California State University, Sacramento; M.A., 1977, San Francisco State University; Ph.D., 1980, University of Wisconsin- Madison

**Hsing Fang (1987)** **Chair and Professor of Finance and Law**  
B.A., 1974, National Taiwan University; M.A., 1977, National Chengchi University; Ph.D., 1986, Arizona State University

**Jennifer Faust (1993)** **Professor of Philosophy**  
B.S., 1986, Spring Hill College; M.A., 1988, Ph.D., 1995, University of Illinois, Chicago

**Diane Fazzi (1992)** **Special Education and Counseling and Professor of Education**  
B.S., 1983, Kutztown University of Pennsylvania; M.Ed., 1984, University of Arkansas; Ph.D., 1993, California State University, Los Angeles/University of California, Los Angeles

**Eleanor Ferguson-Marshalleck (1991)** **Associate Dean, College of Health and Human Services and Professor of Nursing**  
B.S., 1964, University of Illinois; M.P.H., 1971, University of California, Berkeley; M.A., 1982, M.A., 1984, Ph.D., 1997, Stanford University

**Gaithri Fernando (2002)** **Associate Professor of Psychology**  
B.A., 1986, University of Toronto, Canada; M.A., 1987, Yale University, M.A., 1994, Ph.D., 1996, Fuller Theological Seminary

**Joan Fingon (2003)** **Professor of Education**  
B.S., 1973, Southern Connecticut State University; M.A., 1980, Castleton State College; Ed.D., 1990, Vanderbilt University

**Miles M. Finney (1991)** **Professor of Economics and Statistics**  
B.A., 1986, University of Texas, San Antonio; M.A., 1989, Ph.D., 1992, University of Houston

**Darlene N. Finocchiaro (2009)** **Assistant Professor of Nursing**  
BS, 1993, California State University, Los Angeles, MS, 1990, California State University, Los Angeles.

**Kirsten Fisher (2007)** **Assistant Professor of Biological Sciences**  
B.A., 1996, University of California Santa Cruz; Ph.D., 2004, University of California Berkeley

**Blythe FitzHarris (2009)** **Assistant Professor of Social Work**  
BS, 1994, Mary Washington University, Fredricksburg, Virginia, MSW, 1999 Arizona State University, Tempe, Arizona

**Cari Flint (1999)** **Associate Professor of Communication Disorders**  
B.A., 1987, M.A. 1989, Ph.D., 1995, University of California, Santa Barbara

**Eileen Ford (2009)** **Assistant Professor of History**  
B.A., 1996 History, University of Illinois Urbana-Champaign; M.A., 1998, University of Illinois at Chicago; Ph.D., 2008, University of Illinois Urbana-Champaign

**James Ford III (2003)** **Assistant Professor of Music**  
B.M., 1994, Valdosta State University, M.M., M.M.E., 1997, University of North Texas

**Krishna L. Foster (2000)** **Professor of Chemistry**  
B.S., 1992, Spelman College, Ph.D., 1998, University of Colorado, Boulder

**Carolyn Frank (1998)** **Professor of Education**  
B.A., 1966, M.A., 1992, University of Nevada, Reno; Ph.D., 1997, University of California, Santa Barbara

**Daniel Frankl (1991)** **Professor of Kinesiology**  
B.A., 1982, State University of New York at Brockport; M.S., 1984, Ph.D., 1989, Southern Illinois University at Carbondale

**Grant A. Fraser (1982)** **Action Chair and Professor of Mathematics**  
A.B., 1964, M.A., 1969, Ph.D., 1970, University of California, Los Angeles

**Siegrun Fox Freyss (1996)** **Professor of Political Science**  
B.A., 1967; M.A., 1970, Technical University, Munich, Germany; Ph.D., 1978, Claremont Graduate School

**Gabriela Fried-Amilivia (2006)** **Assistant Professor of Sociology**  
B.A., 1988, Universidad de La Republica, Montevideo; M.A., 1993, University of Paris VII, Jussieu, France; M.A., 1998, Ph.D., 2004, University of California, Los Angeles

**Colleen Friend (2005)** **Assistant Professor of Communication Disorders**  
B.S., 1974, University of Dayton; M.S., 1981, Ph.D., 2004, Case Western Reserve University

**Allison Sidle Fuligni (2008)** **Assistant Professor of Child and Family Studies**  
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## **G**

**David A. Gadish (2002)** **Associate Professor of Information Systems**  
B.Sc., 1991, M.Sc., 1995, Ph.D., 2001, University of Guelph, Canada

**José L. Galván (1990)** **Dean, College of Extended Studies and International Programs**  
B.S., 1970, M.A., 1972, Ph.D., 1980, University of Texas

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B.Sc., 1975, University of Ceylon, Sri Lanka; M.A., 1977, University of Lancaster, England; Ph.D., 1981, University of Birmingham, England

**Margaret Garcia (1993)** **Associate Professor of Education**  
B.A., 1986, University of California, Los Angeles; M.A., 1990, University of California, Berkeley; Ph.D., 1996, University of California, Los Angeles

**Raymond E. Garcia (1982)** **Professor of Biochemistry**  
B.S., 1966, California Polytechnic State College, San Luis Obispo; B.A., 1970, Ph.D., 1976, University of California, Riverside

**James Garrett (2003)** **Associate Professor of English**  
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**Jennifer Garrison (2007)** **Assistant Professor of Geological Sciences**  
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**Michael A. Germano (2009)** **Sr. Assistant Librarian**  
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**Roseann Giarrusso (2005)** **Associate Professor of Sociology**  
B.A., 1974, UCLA; M.A., 1981, UCLA; Ph.D., 1987, UCLA

**Christine Gladish (1988)** **Librarian**  
B.A., 1970, Ithaca College; M.L.S., 1971, Case Western Reserve University; M.P.A., 1976, University of Southern California

**Frank A. Gomez (1993)** **Professor of Chemistry**  
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**Ricardo J. Gomez (1983)** **Professor of Philosophy**  
M.A., 1978, Ph.D., 1982, Indiana University

**Alfredo G. González (1977)** **Dean, Undergraduate Studies and Professor of Social Work**  
B.S., 1971, California State Polytechnic College, Pomona; M.S.W., 1973, D.S.W., 1981, University of California, Berkeley

**José Cruz González (1990)** **Professor of Theatre Arts**  
B.A., 1980, University of California, San Diego; M.A., 1982, Arizona State University; M.F.A., 1985, University of California, Irvine

**Mark Goodrich (2005)** **Assistant Professor of Music**  
B.M., 1982, State University of New York at Fredonia; M.M., 1985, Yale University; D.M.A., 1992, The University of Michigan

**Ambika Gopalakrishnan (2001)** **Associate Professor of Education**  
B.A., 1991, Bangalore University, India; M.A., 1993, University of Hyderabad, India; Ph.D., 2001, Ohio State University

**Steven L. Gordon (1977)** **Chair and Professor of Sociology**  
B.A., 1967, M.A., 1972, Ph.D., 1979, University of California, Los Angeles

**Sara Graef (2002)** **Professor of Music**  
B.M., 1992, Southern Methodist University, M.M., 1994, D.M.A., 2000, University of Southern California

**Paul Stuart Graham (2002)** **Associate Professor of Theatre Arts**  
B.A., 1976, North Dartmouth, M.F.A., 1997, California State University, Long Beach

**Shirley B. Gray (1994)** **Professor of Mathematics**  
B.A., 1957, Western Kentucky University; M.A., 1966, Columbia University; Ph.D., 1991, University of Southern California

**Lisa Graziano (2007)** **Assistant Professor of Criminal Justice and Criminalistics**  
B.A. 1997, Governors State University Park Illinois, M.A., 2003 University of Illinois at Chicago, Ph.D. , 2007, University of Illinois at Chicago

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B.A., 1991, Emerson College

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B.A., 1972, University of California, Santa Barbara; Ph.D., 1980, University of California, Los Angeles

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## H

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B.A., 1998, University of Maryland, Baltimore County; M.P.H., 2003, University of Southern California; Ph.D., 2005, University of Southern California

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B.S., 1970, Massachusetts Institute of Technology; M.A., 1973, Ph.D., 1979, University of California, Berkeley

**Deborah Holland (1997)**      **Professor of Music**  
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B.Soc.Sc., 1974, Hong Kong Chinese University; M.A., 1978, University of North Carolina; M.A., 1979, Ph.D., 1982, Hofstra University

**Jai Hong (2002)**      **Associate Professor of Technology**  
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B.S., 1984, Texas A&M University; M.S., 1986, Texas A&M University; Ph.D., 2003, State University of New Jersey, Rutgers Newark

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B.S., 1970, National Taiwan University; M.S., 1973, M.Eng., 1974, Cornell University; Ph.D., 1979, University of California, Davis; Registered Professional Mechanical Engineer, 1982, California

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B.A., 1978, National Taiwan University; Ph.D., 1988, University of Houston

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**Richard W. Hurst (1978)** **Professor of Geological Sciences**  
B.S., 1970, State University of New York at Stony Brook; Ph.D., 1975, University of California, Los Angeles

**Anh-Luu T. Huynh-Hohnbaum (2003)** **Associate Professor of Social Work**  
B.A., 1995, Occidental College, Los Angeles; M.S.W., 1999, CSU, Long Beach; Ph.D., 2003, University of California, Los Angeles

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B.A., 1975, University of California, Santa Barbara; M.S., 1978, University of Wisconsin-Stevens Point; Ph.D., 1983, University of Kansas

**Alicia Izquierdo-Edler(2006)** **Assistant Professor of Psychology**  
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**J**  
**Blake Jackson (2001)** **Associate Professor of Communication Studies**  
B.F.A., 1984, Tulane University, M.F.A., 1991, University of Southern California

**Tyrone W. Jackson (2003)** **Chair and Professor Marketing**  
B.A./B.S., 1979, Morgan State University; M.S., 1982, Yale University; Ph.D./M.S., 1995, University of California, Berkeley

**Pera Jambazian (1997)** **Professor of Nutritional Science**  
B.S., 1981, California Lutheran University; M.S., 1988, California State University, Northridge; Dr.P.H., 2003, Loma Linda University

**Marianne L. James (1998)** **Professor of Accounting**  
B.A., 1989, M.A., 1991, Ph.D., 1998, Florida International University

**Manisha Javeri (2003)** **Assistant Professor of Education**  
B.S., 1989; M.S. 1992; B.A. 1993, University of Bombay; Ph.D., 2003, University of Northern Colorado

**Carol S. Jeffers (1993)** **Professor of Art**  
B.A., 1972, M.A., 1989, Ph.D., 1991, University of Maryland

**Margaret Jefferson (1977)** **Professor of Genetics**  
B.S., 1969, University of Dubuque; M.A., 1971, University of Colorado; Ph.D., 1977, University of Arizona

**Donald J. Johnson (2003)** **Associate Professor of Criminal Justice and Criminalistics**  
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**Steven S. Jones (1983)** **Associate Dean of Undergraduate Studies and Professor of English**  
B.A., 1971, Haverford College; M.A., 1974, Ph.D., 1979, University of California, Davis

**Rebecca Joseph (2003)** **Associate Professor of Education**  
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**Lorie H. Judson (1997)** **Associate Professor of Nursing**  
B.S.N., 1973, University of Wisconsin; M.N., 1976, University of California, Los Angeles; Ph.D., 2002, University of San Diego

**K**  
**Lia Kamhi-Stein (1997)** **Professor of Education**  
B.A., 1979, Salvador University, Argentina; M.A., 1991, California State University, Los Angeles; Ph.D., 1995, University of Southern California

**Susan W. Kane (2001)** **Associate Professor of Music**  
B.M., 1983, University of Iowa; M.M., 1990, D.M.A., 2000, University of Cincinnati

**Tanya Kane-Parry (2001)** **Associate Professor of Theatre Arts**  
B.F.A., 1988, New York University; M.F.A., 2001, University of Massachusetts Amherst

**Eun-Young Elaine Kang (2004)** **Associate Professor of Computer Science**  
B.S., Sejong University, 1992, M.S., Hongik University, 1995, PhD, 2003, University of Southern California

**Richard H. Kao (1983)** **Professor of Marketing**  
B.C., 1964, National Chengchi University, Taiwan; M.B.A., 1971, Michigan State University; Ph.D., 1978, University of Michigan

**Maria Karafilis (1999)** **Professor of English**  
B.A., 1990, University of California, Berkeley; M.A., 1993, University of Maryland at College Park; Ph. D., 1999, University of Maryland at College Park

**Kamran Karimlou (1984)**                      **Professor of Electrical and Computer Engineering**  
B.S., 1977, University of Sussex, England; M.S., 1978, University of North Wales; Ph.D., 1984, University of Southern California

**Alice K. Kawakami (2006)**                      **University Librarian**  
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B.A., 1986, California State University, Fullerton; M.A., 1991, California State University, Fullerton; Ph.D., 2000, Claremont Graduate University

**Irving Kett (1971)**                      **Professor of Civil Engineering**  
B.C.E., 1943 City College of New York; M.C.E., 1949, Polytechnic Institute of Brooklyn; M.B.A., 1954, D.Sc.Eng. 1965, New York University; Registered Professional Engineer, 1949, New York; Licensed Land Surveyor, 1956, New York; Registered Professional Civil Engineer, 1972, California

**Ryan Kettler (2005)**                      **Assistant Professor of Education**  
B.A., 1990, University of Michigan; M.S., 2002, Ph.D. 2005, University of Wisconsin, Madison

**Crist S. Khachikian (1999)**                      **Professor of Civil Engineering**  
B.S., 1995, University of California Los Angeles; M.S., 1996, Massachusetts Institute of Technology; Ph.D., 1999, University of California, Los Angeles

**Nazareth Khodiguian (1990)**                      **Director, School of Kinesiology .and Nutritional Science and Professor of Kinesiology**  
Diploma, 1973, Armenian State Institute of Physical Education; Ph.D., 1986, University of Southern California

**Hyojong Kim (2006)**                      **Associate Professor of Sociology**  
B.A., 1984, Yonsei University, Seoul, Korea; M.A., 1991, University of Connecticut, Storrs, Connecticut; M.A., 1995, Ph.D., 1998, University of North Carolina, Chapel Hills, North Carolina

**Ik-suk Kim (2003)**                      **Associate Professor of Marketing**  
B.A., 1986, Hang Yang University (Korea); M.S., 1989, Han kuk University of Foreign Studies (Korea); M.S., 1994, University of Pittsburgh; M.E., 1997, Purdue University; Ph.D., 2001, Purdue University

**Lori Yoonkung Kim (1992)**                      **Professor of Education**  
B.S., 1979, University of California, Los Angeles; M.S., 1987, Ph.D., 1992, University of Southern California

**Neung-Jip Kim (1988)**                      **Professor of Accounting**  
B.S., 1975, Seoul National University, Korea; M.B.A., 1981, Ph.D., 1987, Temple University

**Sun K. Kim (1964)**                      **Professor of Economics and Statistics**  
B. Comm., 1956, Seoul National University, Korea; A.M., 1959, University of Missouri; Ph.D., 1966, University of Southern California

**Taewon Kim (1987)**                      **Professor of Finance and Real Estate**  
B.A., 1974, Yonsei University, Korea; M.A., 1982, Ph.D., 1986, University of Georgia

**Ui-jing Kim (2002)**                      **Assistant Professor of Education**  
B.S., 1987, Pusan National University, Korea, M.A., 1993, Ph.D., 2000, University of Texas, Austin

**Christina H. Kimm (1993)**                      **Professor of Education**  
B.A., 1979, M.A., 1982, Dankook University, Korea; Ph.D., 1991, University of Minnesota

**Kimberly R. King (1998)**                      **Associate Professor of Psychology**  
B.A., 1988, Yale University; M.A., 1991, Ph.D., 1998, University of California, Los Angeles

**Edward S. Klein (1999)**                      **Chair and Professor of Communication Disorders**  
B.A., 1973, M.A., 1975, George Washington University; Ph.D., 1981, Pennsylvania State University

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B.A., 1967, Central Michigan University; M.A., 1969, Western Michigan University; Ph.D., 1980, Michigan State University

**Andrew Knighton (2006)**                      **Associate Professor of English**  
B.A., 1991, University of Minnesota, Twin Cities; M.A., 1997, University of Minnesota, Twin Cities; Ph.D., 2004, University of Minnesota, Twin Cities

**Nadine S. Koch (1987)**                      **Professor of Political Science**  
B.A., 1978, San Diego State University; M.A., 1982, Ph.D., 1985, Ohio State University

**Eric Kohatsu (1993)**                      **Associate Professor of Psychology**  
B.A., 1982, M.A., 1986, University of Hawaii; Ed.M., 1987, Rutgers University; Ph.D., 1992, University of Maryland

- Chisato Koike (2005)** **Assistant Professor of Japanese**  
B.A., 1991, Kobe University, Japan; M.Ed., 1994, Kobe University, Japan; M.A. 1995, Ohio State University; M.A., 1999, University of Minnesota; Ph.D., 2005, University of California, Los Angeles
- Grigori Kolesnik (1984)** **Professor of Mathematics**  
M.S., 1965, Moscow State University, Russia; Ph.D., 1972, Kiev State University, U.S.S.R.
- Cheryl Koos (1999)** **Chair and Professor of History**  
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- Claudia Kouyoumdjian (2008)** **Assistant Professor of Child and Family Studies**  
B.A., 2001, M.A., 2004, Ph.D., 2008, University of California, Santa Barbara
- Michael Krebs (2005)** **Professor of Mathematics**  
B.S., 1994, Pomona College; Ph.D., 2005, John Hopkins University
- Patrick Krug (2002)** **Associate Professor of Biological Sciences**  
B.A., 1992, Princeton University; Ph.D., 1998, University of California, San Diego
- J. Gregory Kunkel (1993)** **Professor of Accounting**  
B.S., 1973, Ohio State University; M.B.A., 1975, Ph.D., 1980, University of California, Berkeley
- Antony Kunnan (1992)** **Professor of Education**  
B.A., 1974, M.A., 1976, Bangalore University, India; Post-master's Diploma in the Teaching of English, 1980, M. Litt., 1984, Central Institute of English and Foreign Languages, India; Ph.D., 1991, University of California, Los Angeles
- Kwok Keung (Kern) Kwong (1986)** **Professor of Management**  
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## L

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- Christophe Lagier (1998)** **Associate Professor of French**  
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- Kon S. Lai (1987)** **Professor of Economics and Statistics**  
B.S.S., 1980, University of Hong Kong; M.S., 1981, London School of Economics; Ph.D., 1987, University of Pennsylvania
- Robert Land (1998)** **Chair of Curriculum and Instruction and Professor of Education**  
B.A., 1973, University of Pittsburgh; M.A., 1974, Duquesne University; Ph.D., 1983, University of Pittsburgh
- Samuel E. Landsberger (2001)** **Professor of Mechanical Engineering and Kinesiology**  
B.S., 1980, University of North Carolina, Chapel Hill; S.M., 1984, 1988, Sc.D., 1988, Massachusetts Institute of Technology
- Atef Laouyene (2009)** **Assistant Professor of English**  
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- Philip S. LaPol (1996)** **Professor of Biological Sciences**  
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- Theresa Larkin (1990)** **Professor of Theatre Arts**  
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- Anne A. Larson (2000)** **Associate Professor of Kinesiology**  
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B.S., 1991, National Taiwan University, Taiwan; M.S., 1994, Ph.D., 1998, University of Southern California.

**Daphne Liu (1991)** **Professor of Mathematics**  
B.S., National Central University, Taiwan; Ph.D., University of South Carolina

**Jun Liu (1992)** **Professor of English**  
B.A., 1975, Xi'an Foreign Languages University, People's Republic of China; Postgraduate Certificate in Translation (M.A., equivalent), 1981, United Nations Postgraduate Translation Program, Beijing Foreign Languages Institute, People's Republic of China; M.A., 1987, Ph.D., 1992, University of Massachusetts

**Paul Cheng-Hsin Liu (2000)** **Professor of Technology**  
B.S., 1980, Tunghai University in Taiwan; M.S., 1984, University of Oklahoma; Ph.D., 1990, Auburn University

**Yafen Lo (2003)** **Associate Professor of Child and Family Studies**  
B.A., 1987, Chinese Culture University, Taiwan; M.A., 1994, Ph.D., 1999, Ohio State University

**William M. London (2007)** **Professor of Health Science**  
B.A., 1980, B.A., 1980, Ed.M., 1984, Ed.M., 1984, Ed.D., 1986, University at Buffalo, The State University of New York; M.P.H., 1996, Loma Linda University

**Tony Longson (1986)** **Professor of Art**  
B.A., 1971, Reading University, England; (M.A., equivalent) Bicentennial Arts Fellow, England, 1981

**Jean Loo (1985)** **Professor of Finance and Law**  
B.A., 1976, National Taiwan University, Taiwan; M.A., 1978, University of Cincinnati; Ph.D., 1984, Ohio State University

**Edward Lopez (2005)** **Assistant Professor of Child and Family Studies**  
B.A., 1990, California State University Northridge; M.A., 1994, Ph.D., 1999, University of California, Santa Cruz

**Carol F. Lung (2009)**

**Assistant Professor of Fashion Design**

B.S., 1988, North Dakota State University; BFA, 2005, School of the Art Institute of Chicago, Chicago, IL; MFA, 2007, School of the Art Institute of Chicago, Chicago, IL

## **M**

**Stephen K. Ma (1990)**

**Professor of Political Science**

B.A., 1966, Shanghai Institute of Foreign Languages; M.A., 1985, Ph.D., 1994, University of Alberta, Canada

**Kelly Madison (1994)**

**Professor of Broadcasting**

B.A., 1988, University of California, Los Angeles; M.A., 1991, Ph.D., 1996, University of Southern California

**Victor A. Manalo (2002)**

**Associate Professor of Social Work**

B.A., 1985, Marquette University; M.S.W., 1993, California State University, Long Beach; Ph.D., 2001, University of Southern California

**Sunil Mangalassary (2009)**

**Assistant Professor of Nutritional Science**

Doctor of Veterinary Medicine, 1990, Kerala Agricultural University, India, MS, 1993, Kerala Agricultural University, India, Ph.D., 2006, Clemson University, South Carolina

**Alejandra Marchevsky (1999)**

**Associate Professor of Liberal Studies**

B.A., 1992, University of California at Berkeley; M.A., 1995, Ph.D., 2004, University of Michigan, Ann Arbor

**Paola Marin (2006)**

**Assistant Professor of Spanish**

B.A., 1994, Universidad Javeriana, Colombia; M.A., 1996, Arizona State University; Ph.D., 2002, University of Minnesota, Twin Cities

**Chogollah Maroufi (1988)**

**Professor of Education**

B.S., 1978, M.A., 1979, California Polytechnic State College, San Luis Obispo; Ph.D., 1987, University of California, Los Angeles

**María-Fernanda Márquez (2009)**

**Assistant Professor of Spanish Literature**

B.A., 1999, Bently College; M.A., 2002, University of Notre Dame

**Robert Martin (2005)**

**Professor of Art**

B.S., 1978, Florida A&M University; M.F.A., 1981, University of Wisconsin

**Afshin Matin-asgari (2001)**

**Professor of History**

B.A., 1979, M.A., 1980, California State University, Los Angeles; Ph.D., 1993, University of California, Los Angeles

**Sachiko Matsunaga (1995)**

**Chair MLL and Professor of Japanese**

B.A., 1986, University of Oregon; M.A., 1989, Ph.D., 1994, University of Hawaii at Manoa

**Brigitte Matthies (2003)**

**Associate Professor of Psychology**

Psychology B.A., 1983, Queens University, Canada; Ph.D., 1993, McGill University, Canada

**Don M. Maurizio (1979)**

**Associate Dean, College of Engineering, Computer Science, and Technology and Professor of Technology**

B.A., 1971, California State College, Los Angeles, M.A., 1979, California State University, Los Angeles; Ed.D., 1983, United States International University

**Andrea P. Maxie (1986)**

**Associate Dean, Charter College of Education and Professor of Education**

B.A., 1971, M.S., 1974, University of Southern California; Ph.D., 1987, University of California, Los Angeles

**Peter McAllister (2011)**

**Dean, College of Arts and Letters and Professor of Music**

B.M., 1991, University of Toronto; Ph.D., 1995, Kent State University

**Jennifer McCormick (2008)**

**Assistant Professor of Education**

B.A., 1981, Hamilton College; M.A., 1986, Teachers College, Columbia University; Ph.D., 1998, New York University

**Alison McCurdy (2002)**

**Associate Professor of Chemistry**

B.S., 1988, University of Chicago; Ph.D., 1995, California Institute of Technology

**Mary Pat McEnrue (1981)**

**Professor of Management**

B.A., 1975, Boston College; M.A., 1979, Ph.D., 1980, Wayne State University

**Stephen J. McGuire (2003)**

**Professor of Management**

B.A., 1982, Providence College; M.B.A., 1984, IESE University- Navarero (Spain); Ph.D., 2003, The George Washington University

**Jane McKeever (2009)**

**Assistant Professor of General Production**

B.A., 2003, University of Illinois at Chicago, Chicago, IL; MFA, 2007, University of California, Los Angeles

**Michael Locke McLendon (2003)**

**Associate Professor of Political Science**

B.A., 1992, University of Wisconsin; M.A., 1993, Columbia University; Ph.D., 2001, University of Texas at Austin

**Caroline H. McManus (1993)**      **Professor of English**  
B.A., 1982, Occidental College; M.A., 1986, University of Exeter, England; Ph.D., 1992, University of California, Los Angeles

**Anne E. McMills (2009)**      **Assistant Professor, Faculty Technology Director and Designer**  
BFA, 1999, Millikin University, Decatur, Illinois; MFA, 2002, Mason Gross School of the Arts, New Jersey

**Nancy L. McQueen (1989)**      **Chair and Professor of Biological Sciences**  
B.S., 1975, California State Polytechnic College, Pomona; Ph.D., 1986, University of California, Los Angeles

**Henry R. Mendell (1983)**      **Professor of Philosophy**  
A.B., 1971, Cornell University; M.A., 1974, Cambridge University, England; Ph.D., 1986, Stanford University

**Gustavo B. Menezes (2007)**      **Assistant Professor of Civil Engineering**  
B.S., 2000, Federal University of Mina Gerais, M.S., 2004, Ph.D., 2007, University of North Carolina, Charlotte

**Holly Menzies (2002)**      **Associate Professor of Education**  
B.A., 1987, California State University, Los Angeles, M.A., 1999, University of California, Riverside

**Pauline Mercado (1983)**      **Professor of Education**  
B.A., 1974, M.A., 1976, San Diego State University; Ph.D., 1983, University of California, Santa Barbara

**Andrew Keith Mew (1997)**      **Chair and Professor of Technology**  
B.A., 1974, West London Polytechnic, England; M.A., 1997, Lanchester Polytechnic, England; Ph.D., 1983, Warsaw University, Poland

**Hrushikesh N. Mhaskar (1980)**      **Professor of Mathematics**  
B.S., 1974, Nagpur University, India; M.S., 1976, Indian Institute of Technology, India; M.S., 1977, Ph.D., 1980, Ohio State University

**Darlene M. Michener (1985)**      **Professor of Education**  
B.S.Ed., 1979, Northern Illinois University; M.A., 1982, Ph.D., 1985, University of South Florida

**Milan B. Mijic (1991)**      **Associate Professor of Physics**  
Diploma in Physics, 1979, Belgrade University, Yugoslavia; M.S., 1982, Ph.D., 1983, California Institute of Technology

**Elizabeth Miller (1997)**      **Professor of Anthropology**  
B.S., 1985, M.A., 1989, Texas A&M University; Ph.D., 1995, Arizona State University

**Joan Sabrina Mims (1987)**      **Professor of Education**  
B.A., 1977, University of Southern California; M.A., 1980, San Diego State University; Ph.D., 1988, Claremont Graduate School/San Diego State University

**Ali Modarres (1990)**      **Chair of Geosciences and Environment and Professor of Geography and Urban Analysis**  
B.L.A., 1983, M.L.A., 1985, Ph.D., 1990, University of Arizona

**Madhu S. Mohanty (1990)**      **Professor of Economics. and Statistics**  
B.A., 1977, M.A., 1979, M.Phil., 1983, Utkal University, India; Ph.D., 1990, University of Wisconsin–Milwaukee

**Jamil A. Momand (1999)**      **Professor of Biochemistry**  
B.S., 1983, Ph.D. 1989, University of California, Los Angeles

**Edward L. Monsour (2002)**      **Associate Professor of Accounting**  
B.B.A., 1978 M.B.A., 1983, Cleveland State University, J.D., 1982, Cleveland-Marshall College of Law

**Simona Montanari (2007)**      **Assistant Professor of Child and Family Studies**  
B.A., 1999, Università degli Studi de Bologna; M.A., 2003, Ph.D., University of Southern California

**H. Keith Moo-Young (2006)**      **Dean, College of Engineering, .Computer Science, and Technology and Professor of Civil Engineering**  
B.S., 1991, Morgan State University, M.S. 1992, Ph.D., 1995, Rensselaer Polytechnic Institute.

**Jimmy Moss (2005)**      **Assistant Professor of Art**  
B.F.A., 1988, Rhode Island School of Design; M.F.A., 1991, Yale School of Art

**Margaret Moustafa (1997)**      **Professor of Education**  
B.S., 1963, University of Illinois; M.A., 1969, American University in Cairo; Ph.D., 1990, University of Southern California

**Alan E. Muchlinski (1979)**      **Associate Dean, Graduate Studies and Research and Professor of Biological Sciences**  
B.A., 1975, St. John's University; Ph.D., 1979, Michigan State University

**Stephen Mulherin (2000)**      **Associate Professor of Geography and Urban Analysis**

B.A., 1985, State University of New York at Buffalo; M.A., 1995, University of Maryland; Ph.D., 1999, Ohio State University

**Bridget Murnane (2005) Associate Professor of Broadcasting**

B.A., 1975, Merrimack College; M.Ed., 1977, Lesley College; M.A., 1985, University of California, Los Angeles; M.F.A., 1990, University of California, Los Angeles

## N

**Paul Jean Narguizian (2002) Associate Professor of Biological Sciences**

B.A., 1994, M.S., 1998 California State University, Northridge; Ed.D., 2002, University of Southern California

**Karen Nielsen-Menicucci (2004) Assistant Professor of Nursing**

B.S., 1978, Loma Linda University; M.S., 1984 Loma Linda University; Ph.D., 2004, University of San Diego

**Stephanie Jean Nelson (2000) Professor of Technology**

B.F.A., 1974, California Institute of the Arts; M.A., 1988, Ph.D., 1994, University of Southern California

**Cheryl Ney (2009) Associate Vice President for Academic Affairs and Dean of Graduate Studies**

B.S. 1977, Arizona State University, M.S. 1980, Baylor University, Ph.D. 1986, University of Chicago

**ChorSwang Ngin (1993) Professor of Anthropology**

B.A., 1972, Wellesley College; M.A., 1975, Ph.D., 1985, University of California, Davis

**Scott L. Nickolaisen (1994) Professor of Chemistry**

B.S., 1985, M.S., 1986, Utah State University; Ph.D., 1991, University of Southern California

**Robert M. Nissen (2005) Associate Professor of Biological Sciences**

B.A., 1993, University of California, Berkeley; Ph.D., 2000, University of California, San Francisco

## O

**Enrique C. Ochoa (1995) Professor of History**

B.A., 1986, M.A., 1987, Ph.D., 1993, University of California, Los Angeles

**Seónagh Odhiambo (2009) Assistant Professor of Dance Education**

B.A., 1995, M.A., 2000, University of British Columbia; Ph.D., 2009, Temple University

**Deborah M. Oh (2001) Associate Professor of Education**

B.A., 1987, California State University, Los Angeles; M. Divinity 1990, Fuller Theological Seminary; M. Ed., 1994, M. Phil., 1995, Ph.D., 1998, Columbia University, New York

**Jennifer Ohlund (2008) Assistant Professor of English**

B.A., 1999, University of Washington

**David Olsen (1993) Chair of Communication Studies and Professor of Speech Communication**

B.A., 1984, Cedarville College; M.A., 1987, University of Virginia; Ph.D., 1993, Northwestern University

**Teresa Portilla Omidsalar (1997) Librarian**

B.A., 1977, California State University, Los Angeles; M.L.S., 1979, University of California, Los Angeles

**John Orta (1990) Professor of Nutritional Science**

B.S., 1973, M.S., M.S. Ed., 1975, Florida International University; M.Ed., 1980, M.A., 1983, Ed.D., 1987, Columbia University

**Sharon S. Oselin (2008) Assistant Professor of Sociology**

B.A., 1999, Michigan State University, M.A., 2003, University of California Irvine, Ph.D., 2008, Expected

**Joseph C. Otto (1986) Professor of Information Systems**

B.S., 1978, Iowa State University; M.S., 1982, Eastern Illinois University; Ed.D., 1987, Memphis State University

**James Ovelman (2007) Assistant Professor of Art**

B.F.A., 1993, Illinois State University; M.F.A., 1997, California Institute of the Arts

## P

**Raj S. Pamula (1987) Chair and Professor of Computer Science**

B.Tech., 1980, Jawaharlal Nehru Technological University, India; M.Tech., 1982, Indian Institute of Technology, India; Ph.D., 1987, Southern Illinois University

**Arturo Pacheco-Vega (2008) Assistant Professor of Mechanical Engineering**

B.S. 1994, Universidad Iberoamericana, M.E. 1996, Universidad de Guanajuato, M.S. , 2000, University of Notre Dame, Ph.D., 2002, University of Notre Dame



**George A. Pardon (2007)**      **Interim Vice President for Administration Hyunsook Park (2007), Assistant Professor of Biological Sciences**  
B.S., Ewha Womans University; M.S., Ewha Womans University; Ph.D., Ewha Womans University

**Leslie Jane Park (1989)**      **Professor of Accounting**  
B.S., 1960, University of Texas; M.S., 1977, University of Houston; Ph.D., 1965, University of Illinois

**SungHo Park (2006)**      **Assistant Professor of Education**  
B.A., 1996, Kyemyung University, Korea; M.A. 2001, Ph.D. 2004, University of California, Santa Barbara

**Parviz Partow-Navid (1983)**      **Professor of Information Systems**  
B.B.A., 1973, Tehran Business College, Iran; M.B.A., 1976, Ph.D., 1981, University of Texas, Austin

**Behzad Parviz (1986)**      **Professor of Computer Science**  
B.S., 1974, College of Accounting, Tehran, Iran; M.S., 1976, Marywood College; M.S., 1979, Ph.D., 1986, State University of New York at Binghamton

**Heidi Paul (2002)**      **Associate Professor of Education**  
B.A., 1979, California State University, Los Angeles, B.S., 1985, Los Angeles College of Chiropractic, M.S., 1996, California State University, Los Angeles

**Jose Perez-Carballo (2004)**      **Associate Professor of Information Systems**  
B.Sci, 1982, Nacional Autonoma de Mexico; M.S., 1984; New York University, Ph.D., 1991, New York University

**Elizabeth Perluss (2001)**      **Associate Professor of Education**  
B.A. 1984, Westmont College; M.S. 1991, California State University, Los Angeles

**Kimberly Persiani-Becker (2003)** **Associate Professor of Education**  
B.A., 1996; M.A., 2000, California State University, Long Beach; Ed.D., 2003, University of San Francisco

**David Peterson (2006)**      **Associate Professor of Education**  
B.A., 1991, M.A. 1993, Northern Illinois University; Ph.D., 1996, University of Wisconsin

**Gretchen Peterson (2000)**      **Associate Professor of Sociology**  
B.A., 1995, Bates College; M.A., 1997, Ph.D., 2000, University of Arizona

**Joseph L. Peterson (2006)**      **Director, School of Criminal Justice and Criminalistics and Professor of Criminal Justice and Criminalistics**  
B.A., 1967, Carthage College; D.Crim. 1971, University of California, Berkeley

**Miles E. Peterson (1987)**      **Professor of Communication Disorders**  
B.S., 1980, M.A., 1982, Utah State University; Ph.D., 1987, University of Washington

**Birte Pflieger (2004)**      **Associate Professor of History**  
B.A., 1993, California State University, Dominguez Hills, M.A., 1995, California State University, Long Beach, Ph.D., 2003, University of California, Irvine

**Trinh K. Pham (2006)**      **Assistant Professor of Mechanical Engineering**  
B.S., 2001, M.S., 2003, Ph.D., 2007, University of California, Irvine

**David Pitt (2003)**      **Associate Professor of Philosophy**  
B.A., 1981, Haverford College; M.A., 1985, Queens College, City University of New York; Ph.D., 1994, Graduate Center, City University of New York

**Stephen K. Pollard (1982)**      **Professor of Economics and Statistics**  
B.A., 1978, Sonoma State College; M.S., 1980, Ph.D., 1982, Ohio State University

**Edith Porter (2001)**      **Associate Professor of Biological Sciences**  
M.D., 1989, University of Mainz, Germany; Thesis, 1990, University of Mainz, Germany

**Joseph B. Prabhu (1978)**      **Professor of Philosophy**  
B.A., 1966, M.A., 1968, Delhi University, India; M.A., 1975, Cambridge University, England; Ph.D., 1982, Boston University

**Veena P. Prabhu (2007)**      **Assistant Professor of Management**  
B.Sc., 1996, L.L.B., 1998, University of Mumbai, India; M.B.A., 2001, Amravati University, India; M.S. (HRMN), 2006, Ph.D., 2007, Auburn University

**Sara Pugach (2007)**      **Assistant Professor of History**  
B.A., 1991, University of Pennsylvania; M.A., 1994, Washington University of St. Louis; Ph.D., 2001, University of Chicago

**Nikolai Pulchritudoff (1972)**      **Associate Professor of Economics and Statistics**  
B.A., 1964, Sacramento State College; M.S., 1965, Ph.D., 1971, University of California, Davis

**Rupa P. Purasinghe (1988)**      **Chair and Professor of Civil Engineering**  
B.S., 1978, University of Sri Lanka; M.S., 1981, Portland State University; Ph.D., 1985, Case Western Reserve University; Registered Professional Civil

Engineer, 1994, California

## Q

**Hong-lie Qiu (1996)**

**Professor of Geography**

B.S., 1982, Fujian Teacher's University, People's Republic of China; Ph.D., 1994, Louisiana State University

**Ruben D. Quintero (1988)**

**Chair and Professor of English**

B.A., 1978 (Philosophy), B.A., 1980 (English), California State College, Los Angeles; A.M., 1983, Ph.D., 1988, Harvard University

## R

**Verica Radisavjevic-Gajic (2009)**

**Assistant Professor of Mechanical Engineering**

B.S. university of Belgrade, Yugoslavia, M.S. , Ph.D., 2001, Rutgers University

**Lauri Ramey (2004)**

**Professor of English**

B.A., 1974, Oberlin College, M.A., 1975, University of Chicago, Ph.D., 1996, University of Chicago

**John J. Ramirez (1989)**

**Professor of Broadcasting**

B.A., 1977, M.A., 1980, Ph.D., 1991, University of California, Los Angeles

**Pedro C. Ramirez (1991)**

**Professor of Geological Sciences**

B.A., 1977, Ph.D., 1990, University of California, Santa Cruz

**Debasree Raychaudhuri (2002)**

**Associate Professor of Mathematics**

B.S., 1985, St. Xavier's College, India; M.S., 1990, Indian Institute of Technology, India; M.S. 1995, Ph.D. 2001, Simon Fraser University, Canada

**Adam Reed (2000)**

**Professor of Information Systems**

B.S., 1967, M.S., 1970, Massachusetts Institute of Technology; Ph.D., 1984, University of Oregon

**James F. Refalo (2003)**

**Professor of Finance and Law**

B.S., 1983, University of California, Irvine; M.B.A., 1992, Cornell University; Ph.D., 2000, Lenard M. Stern Graduate School of Business

**James A. Regalado (1987)**

**Executive Director, Edmund G. "Pat" Brown Institute of Public Affairs, and Professor of Political Science**

B.A., 1971, M.A., 1973, California State University, Los Angeles; Ph.D., 1980, University of California, Riverside

**Pamela C. Regan (1996)**

**Chair of Television, Film, and Media Studies and Professor of Psychology**

B.A., 1988, Williams College; M.A., Ph.D., 1994, University of Minnesota

**Suzanne E. Regan (1979)**

**Professor of Broadcasting**

B.A., 1971, Simmons College; M.A., 1974, University of California, Los Angeles; Ph.D., 1981, University of Massachusetts

**Kathryn C. Reilly (1999)**

**Professor of Education**

A.B., 1967, M.A., 1969, Smith College; M.S., 1972, Southern Illinois University; Ph.D., 1978, St. Louis University

**Edward H. Rezayi (1983)**

**Professor of Physics**

B.S., 1972, Worcester Polytechnic Institute; Ph.D., 1979, Stanford University

**Siyon Y. Rhee (1993)**

**Professor of Social Work**

B.A., 1974, Seoul National University, Korea; M.S.W., 1981, D.S.W., 1988, University of California, Los Angeles

**Leila Ricci (2009)**

**Assistant Professor of Education**

B.A., 1994, UCLA; M.A., 1997, California State University, Northridge; Ph.D., 2004, University of California, Los Angeles

**Heidi Rose Riggio (2007)**

**Associate Professor of Psychology**

B.A., 1993, California State University Fullerton; M.A., 1996, California State University Fullerton; Ph.D., 2001, Claremont Graduate University

**Katherine A. Roberts (1998)**

**Professor of Criminal Justice and Criminalistics**

B.Sc., 1987, King's College, University of London, England; M.Sc., 1989, University of Strathclyde, Scotland; M.Phil., 1998, Ph.D., 2002, City University of New York

**Carlos D. Robles (1979)**

**Professor of Biological Sciences**

B.A., 1972, University of California, Santa Barbara; Ph.D., 1979, University of California, Berkeley

**José P. Rodriguez (1992)**

**Professor of Physics and Astronomy**

B.S., 1982, Massachusetts Institute of Technology; Ph.D., 1987, University of Illinois at Urbana-Champaign

**Gloria J. Romero (1989)**

**Professor of Psychology**

B.A., 1978, California State College, Long Beach; M.A., 1980, Ph.D., 1983, University of California, Riverside

**Paul H. Rosenthal (1988)**

**Professor of Information Systems**

B.S.Ed., 1950, M.A., 1953, Temple University; M.B.A., 1963, University of California, Los Angeles; D.B.A., 1980, University of Southern California

**Anthony R. Ross (2000)** **Vice President for Student Affairs and Associate Professor of Education**  
B.A., 1975, M.Ed., 1978, St. Lawrence University; Ed.D., 1984, Northern Arizona University

**James M. Rosser (1979)** **President of the University and Professor of Biological Sciences**  
B.A., 1962, M.A., 1963, Ph.D., 1969, Southern Illinois University

**Stephen Rothman (2001)** **Professor of Theatre Arts**  
B.S., 1972, M.F.A., 1974, Florida State University

**Bidhan C. Roy (2009)** **Assistant Professor of English**  
BS, 1993, Roehampton College, University of Surrey; M.A., 2004, California State University, Los Angeles

**James Rudd (2003)** **Associate Professor of Chemistry**  
B.S., 1992, Harvey Mudd College; M.S., 1999, Ph.D., 2001, Iowa State University

**Amelia A. Russo-Neustadt (1999)** **Professor of Biological Sciences**  
B.S., 1983, Chapman University; Ph.D., 1988, M.D., 1990, University of California, Irvine

**Elena Ruzickova (2003)** **Assistant Professor of Spanish**  
B.A., 1992, Comenius University, Bratislava, Slovakia, M.A., 1994, Ph.D., 1998, University of Pittsburgh

**Helen A. Ryaciotaki-Boussalis (1985)** **Professor of Electrical and Computer Engineering**  
B.S., 1974, New York Institute of Technology; M.S., 1976, Ph.D., 1979, New Mexico State University

**Kenneth Ryan (1988)** **Librarian**  
B.A., 1963, M.A., 1967, University of Texas at Austin; M.L.S., 1978, North Texas State University

## **S**

**Romelia Salinas (1999)** **Librarian**  
B.A., 1992, University of California, Santa Barbara; M.L.I.S., 1994, University of California, Los Angeles

**Tina Salmassi (2002)** **Associate Professor of Biological Sciences**  
B.S., 1996, University of California, Los Angeles; M.S., 1998, Ph.D. 2001, California Institute of Technology

**Bill Sanders (2008)** **Associate Professor of Criminal Justice and Criminalistics**  
B.A. 1994, University of California at Riverside; M.Phil., 1995, University of Cambridge; Ph.D., 2004, University of London

**David Sandoval (1979)** **Director, Educational Opportunity Program**  
B.A., 1975, M.A., 1987, California State University, Los Angeles

**Sunil K. Sapra (1991)** **Professor of Economics and Statistics**  
B.S., 1973, University of Delhi, India; M.A., 1976, Delhi School of Economics, India; M. Phil., 1981, Ph.D., 1983, Columbia University

**Deborah Schaeffer (1988)** **Librarian**  
B.A., 1977, California State College, Long Beach; M.L.S., 1979, University of California, Los Angeles

**Henry Schlinger (2006)** **Associate Professor of Psychology**  
B.S., Southern Methodist University; M.A., Southern Methodist University; Ph.D., 1985, Western Michigan University Psychology

**Rennie B. Schoepflin (2004)** **Associate Dean, College of Natural and Social Sciences and Professor of History**  
B.S., 1974, Walla Walla College; M.A., 1980, Loma Linda University; Ph.D., 1995, University of Wisconsin, Madison

**Mary Anne Schultz (2008)** **Assistant Professor of Nursing**  
B.S.N., 1979, University of Cincinnati; M.S.N., 1984, Case Western Reserve University; M.B.A., 1992, Claremont Graduate School; Ph.D., 1998, University of California, Los Angeles

**Virgil A. Seaman (1987)** **Professor of Technology**  
B.S., 1979, Lake Superior State College; M.A., 1983, Ph.D., 1987, Indiana State University

**Matthias Selke (1998)** **Professor of Chemistry**  
B.S., 1990, University of Southern California; Ph.D., 1994, University of California, Los Angeles

**Penelope Semrau (1988)** **Professor of Education**  
B.S.E., 1972, University of Wisconsin-Whitewater; M.A., 1980, Illinois State University; Ph.D., 1987, Ohio State University

**Daniel B. Shabani (2008)** **Assistant Professor of Psychology**

B.A., 1997, University of California Los Angeles; M.A., 2001, University of the Pacific; Ph.D., 2005, Western Michigan University

**Ray O. Shackelford (1995) Professor of Technology**

B.A., 1972; M.A., 1974, California State University, Los Angeles

**Anthony Shaheen (2005) Associate Professor of Mathematics**

B.S., 2000, Loyola Marymount; M.A., 2001, Ph.D., 2005, University of California, San Diego

**Adel A. Sharif (2002) Associate Professor of Mechanical Engineering**

B.S., 1992, California State University, Los Angeles, Ph.D., 1998, University of California, Irvine

**Behjat A. Sharif (1991) Professor of Health Science**

B.A., 1973, Teachers' Training University, Iran; M.S., 1982, Southern Illinois University; Ph.D., 1989, Texas Women's University; Certified Mediator

**Patrick B. Sharp (2002) Chair and Professor of Liberal Studies**

B.A., 89, M.A., 1994, Ph.D., 1999, University of California, Santa Barbara

**Sandra B. Sharp (1986) Professor of Biological Sciences**

B.A., 1967, University of California, Berkeley; Ph.D., 1981, University of California, Los Angeles

**Munyi Shea (2009) Assistant Professor of Psychology**

B.A., B.S., 2001, University of Washington; Ph.D., 2008, Columbia University

**Christina Sheldon (2008) Sr. Assistant Librarian**

B.A., 1992, Stanford University; M.A.T., 2002, Occidental College; M.L.I.S., 2006, University of California, Los Angeles

**Min Shi (2008) Assistant Professor of Management**

B.A., 1997, Zhejiang University; MCBL, 2000, East China University of Politics & Law; Ph.D., 2007, Rutgers Business School

**Michael Shim (2007) Assistant Professor of Philosophy**

B.A., 1995, Vassar College; M.A., 2001, Ph.D., 2003, Stony Brook University

**John V. Shindler (2001) Professor of Education**

B.A., 1985, M.Ed., 1990, Seattle University; Ph.D. 1996, Washington State University

**Andrew D. Shroyer (1997) Librarian**

B.A., 1980, University of Oklahoma; M.L.S., 1983, University of Texas at Austin

**Michael J. Siler (1993) Professor of Political Science**

B.S., M.S., 1977, University of California, Los Angeles; M.P.A., 1979, University of Washington; Ph.D., 1992, University of Southern California

**Gabriela Simon-Cerejido (2009) Assistant Professor of Communication Disorders**

BS, 1998, Columbia University, MS, 2000, Columbia University, New York.

**Harmit Singh (2004) Associate Professor of Nutritional Science**

B.S., 1986, M.S., 1987, M.Phil., 1988, Ph.D., 1993, Guru Nanak Dev University, India

**Frances Siu (2009) Assistant Professor of Education**

B.A., 2003, CSULA; M.S., 2005, CSULA; Ph.D., 2008, University of Texas at Austin

**Simeon P. Slovacek (1981) Professor of Education**

B.A., 1971, Syracuse University; M.S., 1974, Ph.D., 1976, Cornell University

**Ludwig Slusky (1985) Professor of Information Systems**

M.S., 1961, Institute of Mechanical Engineering (Bauman), U.S.S.R.; Ph.D., 1968, Academy of Municipal Economy, U.S.S.R.

**Jon Snodgrass (1972) Professor of Sociology**

B.A., 1965, M.A., 1967, University of Maryland; Ph.D., 1972, University of Pennsylvania; Ph.D., 1983, Reiss-Davis Child Study Center

**Marguerite Ann Snow (1988) Professor of Education**

B.A., 1977, M.A., 1979, Ph.D., 1985, University of California, Los Angeles

**Michael Soldatenko (2005) Professor of Chicano Studies**

B.A., 1975, M.A., 1980, Ph.D., 1987, University of California, Los Angeles

**Alejandro Solomianski (2002) Associate Professor of Modern Languages and Literatures**

M.A., 1998, Ph.D., 2001, University of Pittsburgh

**Ira Sommers (1996) Professor of Criminal Justice and Criminalistics**

B.A., 1974, State University of New York; M.S., 1976, Boston University; D.S.W., 1983, University of Pennsylvania

**Ji Y. Son (2009) Assistant Professor of Psychology**

B.S., 2002, UCLA; Ph.D., 2007, Indiana University

**Yongyi Song (2004) Associate Librarian**

B.A., 1985, Shanghai Institute of Education, China; M.A., 1992 University of Colorado, M.L.S., 1995, Indiana University

**Aaron Sonnenschein (2007) Assistant Professor of English**

B.A., 1993, University of California, Berkeley; M.A., 1997, Ph.D., 2004, University of Southern California

**Marcel Soriano (1990) Professor of Education**

B.A., 1968, M.A., 1972, University of California, Riverside; Ph.D., 1984, United States International University

**Carole Srole (1984) Professor of History**

B.A., 1970, M.A., 1973, Ph.D., 1984, University of California, Los Angeles

**Beverly Stein (1999) Associate Professor of Music**

B.A., 1981, The Juilliard School; M.A., 1988, Ph.D., 1994, Brandeis University

**Douglas M. Stenstrom (2008) Assistant Professor of Psychology**

B.A., 1995, USC; J.D., 1999, Loyola Marymount University; M.A., 2004, USC; Ph.D., 2008, USC

**Shirley M. Stretch-Stephenson (1987) Professor of Marketing**

B.S., 1971, University of Nebraska-Lincoln; M.S., 1972, Kansas State University; M.B.A., 1977, Ph.D., 1982, Ohio State University

**Kaveri Subrahmanyam (1996) Professor of Psychology**

B.A., 1984, University of Madras, India; M.A., 1986, University of Mysore, India; M.A., 1989, Ph.D., 1993, University of California, Los Angeles

**Kate Sullivan (2005) Assistant Professor of Anthropology**

B.A., Anthropology, Colorado State University, Fort Collins; M.A., Anthropology, University of Texas, Austin; Ph.D., Anthropology University of California, Santa Barbara, 2004

**Chengyu Sun (2004) Associate Professor of Computer Science**

B.E., 1996, Tsinghua University; Ph.D., 2004, University of California, Santa Barbara

**Hershel Swinger (1980) Professor of Education**

B.A., 1966, M.S., 1968, California State College, Los Angeles; Ph.D., 1978, University of Southern California

**Jennifer Symon (2002) Associate Professor of Education**

B.A. 1992, M.A. 1995, 2000, Ph.D., 2002, University of California, Santa Barbara

**T**

**Lili Tabrizi (1987) Professor of Electrical and Computer Engineering**

B.S., 1978, Sharif University of Technology, Iran; M.S., 1981, Ph.D., 1984, Michigan State University

**Lillian Taiz (1992) Professor of History**

B.A., 1981, M.A., 1983, San Francisco State University; Ph.D., 1993, University of California, Davis

**Valerie Talavera-Bustillos (2003) Associate Professor of Chicano Studies**

B.A., 1992, University of California, Irvine; Ph.D., 1998, University of California, Los Angeles

**Molly Talcott (2009) Assistant Professor of Sociology**

B.A., 1998, Rollins College; Ph.D., 2008, University of California, Santa Barbara

**Chick F. Tam (1982) Professor of Nutritional Science**

B.S., 1967, Chinese University of Hong Kong; M.S., 1971, Dr.P.H., 1974, University of California, Los Angeles

**Le D. Tang (1986) Professor of Technology**

B.Ed., 1972, National Taiwan Normal University; M.A., 1979, East Tennessee State University; Ph.D., 1981, Ohio State University

**Alison Taufer (1990) Professor of English**

B.A., 1980, Loyola-Marymount University; M.A., 1984, Ph.D., 1988, University of California, Los Angeles

**Carlos Tejeda (1998) Associate Professor of Education**

B.A., 1987, University of California, Santa Cruz; M.A., 1994, California State University, Los Angeles, Ph.D., 2000, University of California, Los Angeles

**Katharine Tellis (2009) Assistant Professor of Criminal Justice and Criminalistics**

BA, 2003, University of California, Los Angeles, MSW, 2005, University of California, Los Angeles, Ph.D. 2008, University of Nebraska-Omaha.

**Susan Terebey (2001)** **Chair and Professor of Physics and Astronomy**  
B.A., 1977, University of California, Santa Cruz; Ph.D., 1984, University of California, Berkeley

**Wayne R. Tikkanen (1986)** **Professor of Chemistry**  
B.S., 1976, University of Rhode Island; M.A., 1980, Ph.D., 1982, University of California, Santa Barbara

**Elizabeth Torres (1998)** **Professor of Biological Sciences**  
B.S., 1989, Arizona State University; Ph.D., 1997, University of California, Los Angeles

**Dang T. Tran (1987)** **Chair and Professor of Economics and Statistics**  
Licence en droit, 1964, Saigon University, Vietnam; B.Ec., 1969, University of Western Australia; M.A., 1975, Ph.D., 1977, Syracuse University

**Mark R. Tufenkjian (1997)** **Professor of Civil Engineering**  
B.S., 1986, California State University, Fresno; M.S., 1989, Ph.D., 1993, University of California, Los Angeles; Registered Professional Civil Engineer, California

**Linda M. Tunstad (1992)** **Professor of Chemistry**  
B.S., 1983, California State University, Los Angeles; Ph.D., 1990, University of California, Los Angeles

**Carol F. Tuntland (1988)** **Associate Professor of Art**  
B.S., 1965, North Dakota State University; M.A., 1987, California State University, Long Beach; Ed.D., 1995, Pepperdine University

## **U**

**Fawn Teresa Ukpolo (2001)** **Assistant Professor of Education**  
B.S., 1991, M.A., 1992, Austin Peay State University; Ed.D., 1998, Tennessee State University

**Sharon Hilda Ulanoff (2001)** **Professor of Education**  
B.A., 1974, State University of New York at Buffalo; M.A., 1982, California State University, Los Angeles; Ph.D., 1993, University of Southern California

**Connie Utterback (1991)** **Professor of Art**  
B.F.A., 1969, Washington University; M.F.A., 1981, University of California, Los Angeles

**Frederick Uy (1998)** **Professor of Education**  
B.A., 1986, University of Philippines, Quezon; M.A., 1990, Montclair State University; Ed.D., 1996, Teachers College, Columbia University

**Nguyen Uy (1984)** **Professor of Math**  
B.A., 1968, University of Saigon, Vietnam; M.A., 1972, University of California, Los Angeles; M.S., 1973, State University of New York; Ph.D., 1974, University of California, Los Angeles

**Elizabeth Chisato Uyeki (2003)** **Library Reference Desk Coordinator**  
B.A., 1993, Earlham College, Richmond, VA., M.L.I.S., 2003, University of California, Los Angeles

## **V**

**Ashish K. Vaidya (2010)** **Provost and Vice President for Academic Affairs and Professor of Economics and Statistics**  
B.A., 1983, St. Xavier's College, India; M.A., 1985, University of Mumbai, India; M.A., Ph.D., 1990, University of California, Davis

**René Vellanoweth (2007)** **Acting Chair and Associate Professor of Anthropology**  
B.A, 1989, UCLA; M.A., 1996, UCLA, Ph.D., 2001, University of Oregon

**Robert L. Vellanoweth (1994)** **Chair and Professor of Biochemistry**  
B.S., 1982, California State University, Los Angeles; Ph.D., 1988, University of California, Berkeley

**Angela Vergara-Marshall (2006)** **Associate Professor of History**  
B.A., 1994, Pontificia Universidad Católica de Chile; M.A., 1999, University of California, San Diego; Ph.D., 2002, University of California, San Diego

**Kayley Vernallis (1993)** **Chair and Professor of Philosophy**  
A.B., 1982, Stanford University; Ph.D., 1993, University of California, Berkeley

**Robert Vianello (1984)** **Professor of Broadcasting**  
B.A., 1972, University of Michigan; M.A., 1982, Ph.D., 1988, University of California, Los Angeles

**Victor Viesca (2004)** **Assistant Professor of Liberal Studies**  
B.A., 1995, University of California, San Diego; M.A. 2000, New York University

**Valentine Villa (2003)** **Chair of Gerontology and Professor of Social Work**  
B.A., 1983, University of Southern California; M.S. & M.A., 1985, University of Southern California; Ph.D., 1993, University of Southern California

**Paula Vuckovich (2003)** **Associate Professor of Nursing**

B.S., 1967, Boston University; M.S., 1972, Wayne State University; Ph.D., 2003, University of San Diego

## **W**

**Michele Wallace (2005)** **Associate Professor of Education**  
B.A. 1994, Florida International University; M.S. 1998, Ph.D. 2001, University of Florida

**Liming Wang (2011)** **Assistant Professor of Mathematics**  
B.S., 2001, Peking University, Beijing, China; Ph.D., 2008, Rutgers University

**Ming Wang (2002)** **Associate Professor of Information Systems**  
B.A., 1982, Northeast Normal University, China; M.A., 1988, Ph.D., 1993, Southern Illinois University; M.S., 1998, Nova Southeastern University, Florida

**Ming-Fang Wang (2005)** **Assistant Professor of Nursing**  
B.A., 1985 University of La Verne, M.S.N., California State University, Los Angeles, Ph.D., 2005, Pepperdine University

**Raquel Warley (2008)** **Assistant Professor of Social Work**  
B.A., 1993, John Jay College of Criminal Justice; M.A., 1995, John Jay College of Criminal Justice; MSW, 2000, Hunter College School of Social Work; M.Phil, 2006, City University of New York; Ph.D., 2009, City University of New York.

**Nancy Warter-Perez (1993)** **Professor of Electrical and Computer Engineering**  
B.S., 1985, Cornell University; M.S., 1989, Ph.D., 1993, University of Illinois, Urbana

**Judith M. Washburn (1974)** **Professor of Education**  
B.S., 1969, University of Wisconsin; M.A., 1971, Ph.D., 1974, Ohio State University

**Paul V. Washburn (1973)** **Professor of Management**  
B.A., 1969, Wake Forest University; M.A., 1972, Ph.D., 1973, Ohio State University

**Gail Washington (2003)** **Associate Professor of Nursing**  
B.S., 1993, Drake University; M.S., 1997, Drake University; D.N.S., 2003, Louisiana State University Health Science Center

**Knox B. Wasley (1981)** **Associate Professor of Information Systems**  
B.S., 1972, M.B.A., 1976, University of Colorado

**Richard Wearn (2005)** **Assistant Professor of Art**  
B.F.A., 1993, University of Auckland, New Zealand; M.F.A., 1996, University of Southern California

**Dale Weaver (1998)** **Professor of Social Work**  
A.B., 1973, University of California, Berkeley; M.S.W., 1984, University of Southern California; Ph.D., 1994, University of California, Los Angeles

**Lois Weinberg (2002)** **Professor of Education**  
B.A., 1969, M.A., 1973, Ph.D., 1978, University of California, Los Angeles

**Scott Wells (2003)** **Associate Professor of History**  
B.A. 1992, Columbia University; M.A., 1995, Ph.D., 2002, New York University

**Min-Ming Wen (2008)** **Assistant Professor of Finance and Law**  
B.S., 1991, National Chung-Hsing University; M.S., 1993, National Chiao-Tung University, Ph.D., 2004, University of Connecticut

**Xin Wen (2006)** **Assistant Professor of Chemistry**  
B.Sc., Honors 1998, M.Sc. 2000, Nanjing University, Ph.D. 2004, University of Rochester

**Laura L. Whitcomb (1989)** **Associate Professor of Management**  
A.B., 1978, M.A., 1985, M.B.A., 1986, Ph.D., 1991, Indiana University

**Steve Wight (2007)** **Assistant Professor of Music**  
B.M., 1981, California State University, Fullerton; M.F.A., 1982, California Institute of the Arts

**Henry Mark Wild (2001)** **Associate Professor of History**  
B.A., 1992, Princeton University; M.A., 1997, Ph.D., 2000, University of California, San Diego

**Michael Willard (2005)** **Assistant Professor of Liberal Studies**  
B.A., 1988, University of California, Los Angeles; Ph.D., 2001, University of Minnesota

**A. Dee Williams (2007)** **Assistant Professor of Education**  
B.A., 1995, California Polytechnic University, San Luis Obispo; M.Ed., 2001, University of California, Los Angeles; Ph.D., 2007, University of Maryland

**Andrew J. Winnick (1996)** **Professor of Economics and Statistics**

B.A., 1961, University of California, Berkeley; M.A., 1967, Ph.D., 1971, University of Wisconsin, Madison B.S., 2000, Massachusetts Institute of Technology, Ph.D., 2007, Duke University

**Deborah S. Won (2009) Assistant Professor of Electrical and Computer Engineering**

B.S., 2000, Massachusetts Institute of Technology, Ph.D., 2007, Duke University

**Jongwook Woo (2003) Associate Professor of Information Systems**

B.S., 1989, Yonsei University (Korea); M.S., 1991, Yonsei University (Korea); M.S., 1998, University of Southern California; Ph.D., 2001, University of Southern California

**Ann Wood (2002) Associate Professor of Education**

B.A., 1968, M.A. 1970, Ph.D. 1982, Michigan State University

**Chivey C. Wu (1983) Professor of Mechanical Engineering**

B.S.M.E., 1976, National Cheng Kung University, Taiwan; M.S.M.E., 1979, Ph.D., 1983, University of Illinois

**Lifan Wu (1998) Professor of Finance and Law**

M.A., 1986, Nankai University, People's Republic of China; Ph.D., 1994, University of Illinois

**Qingyun Wu (1991) Professor of Chinese**

B.A., 1975, Kaifeng Teachers' University, People's Republic of China; M.A., 1987, Southern Illinois University at Carbondale; Ph.D., 1991, Pennsylvania State University

**X**

**Katrina Yamazaki (2011) Assistant Professor of Biological Sciences**

B.S., 2004, Ph.D., 2009, University of California, San Diego

**Song Xing (2003) Associate Professor of Information Systems**

B.S., 1985, Southeast University; M.S., 1990, Southeast University; Ph.D., 2003, George Mason University

**H. Howard Xu (2004) Associate Professor of Biological Sciences**

B.S., 1982, Wulan University, M.S., 1988, Bowling Green State University, Ph.D., 1992, University of Minnesota

**Ying Xu (1992) Librarian**

B.A., 1978, Fudan University, People's Republic of China; M.A., 1985, Leeds University, England; M.L.S., 1989, Rutgers University

**Y**

**Ping Yao (1997) Chair of Asian and Asian American Studies and Professor of History**

B.A., 1982, Eastern Normal University, Shanghai, People's Republic of China; M.A., 1984, Fudan University, People's Republic of China; M.A., 1992, Ph.D., 1997, University of Illinois at Urbana-Champaign

**Hengchun Ye (2001) Professor of Geography**

B.S., 1985, M.S., 1988, Hangzhou University, People's Republic of China; Ph.D., 1995, University of Delaware

**Lamont Yeakey (1982) Associate Professor of History**

B.A., 1967, M.A., 1969, Roosevelt University; M.A., 1970, M.Phil., 1978, Ph.D., 1979, Columbia University

**Jong-Hwan Yi (1996) Associate Professor of Finance and Law**

B.A., 1990, M.A., 1990, University of Chicago; Ph.D., 1997, University of Southern California

**Killian P. H. Ying (1988) Professor of Geography and Urban Analysis**

B.S., 1979, University of Houston; M.A., 1980, Ph.D., 1985, Ohio State University

**Toshiko Yokota (2002) Associate Professor of Modern Languages and Literatures**

B.A., 1977, Sophia University, Japan, M.A., 1981, 1990, University of California, Santa Barbara, Ph.D., 2000, University of California, Irvine

**Mann J. Yoon (1991) Professor of Economics and Statistics**

B.A., 1983, Yonsei University, Korea; M.S., 1985, Indiana State University; Ph.D., 1991, University of Illinois

**Beatrice Yorker (2005) Dean, College of Health and Human Services and Professor of Nursing**

B.S., 1975, Indiana University; M.S., 1978, University of California, San Francisco; J.D., 1988, Georgia State University, College of Law

**Angela M. Young (1997) Chair and Professor of Management**

B.S., 1984, University of Nebraska; M.B.A., 1992, California State University, Sacramento; Ph.D., 1997, Florida State University

**Holly Yu (2001) Librarian**

B.A., 1982, Nanjing University, China; M.L.S., 1995, University of Western Ontario, Canada

**Gay Yuen (1989) Professor of Education**



B.A., 1975, University of California, Los Angeles; Ph.D., 1995, University of Southern California

## Z

**Walter A. Zelman (2007)      Chair of Public Health and Professor of Health Science**

B.A., 1965, University of Michigan; M.A., 1966, University of California, Los Angeles; Ph.D., 1971, University of California, Los Angeles

**Marlene Zepeda (1990)      Professor of Child and Family Studies**

B.A., 1972, California State College, Los Angeles; M.A., 1978, Ph.D., 1984, University of California, Los Angeles

**Andrea G. Zetlin (1989)      Acting Chair of Special Education and Counseling and Professor of Education**

B.A., 1972, Queens College, City University of New York; M.A., 1973, New York University; Ed.D., 1977, Columbia University Teachers' College

**Guo-meng Zhao (2002)      Associate Professor of Physics**

B.S., 1985, Zhejiang University, China; M.A., 1990, University of Southern California; Ph.D., 1997, University of Zurich, Switzerland

**Jay Zhong (2004)      Assistant Professor of Music**

B.M. 1994, Manhattan School of Music, M.F.A., 1997, State University of New York at Purchase

**Feimeng Zhou (1997)      Professor of Chemistry**

B.S., 1984, Wuhan University, People's Republic of China; Ph.D., 1993, University of Texas at Austin

## Emeriti Faculty

### Emeriti Faculty

A B C D E F G H I J K L M N O P R S T U V W Y Z

#### A

Adnan M Abdeen (1986–2003)	Professor of Accounting
T Jean Adenika-Morrow (1992-2003)	Professor of Education
Sidney P Albert (1956–1979)	Professor of Philosophy
Kathryn L Alesandrini (1984-2006)	Professor of Education
Wayne Paul Alley (1969–2000)	Professor of Biology
John Allswang (1968-2000)	Professor of History
Burton L Alperson (1974-2002)	Professor of Psychology
J Theodore Anagnoson (1983-2007)	Professor of Political Science
Thomas Annese (1961–1992)	Professor of Philosophy
Kenneth Anderson (1970–2002)	Professor of Microbiology
Ratna Appadurai (1969–1987)	Professor of Education
Ralph Arroyo (1978–2006)	Professor of Education
Walter M Askin (1956–1992)	Professor of Art
Alfred F Michael Atlee (1965–1986)	Professor of Spanish

#### B

Marlohn Balas (1965–2000)	Professor of Nursing
Jerry Reed Ball (1989-1992)	Professor of Physical Education
Frank R Balle (1992-1998)	Professor of Civil Engineering
Cornelia Balogh (1962–1989)	Associate Librarian
Richard S Balvin (1956–1990)	Professor of Psychology
Betty Bamberg (1996–2006)	Professor of English
Evelyn Malkin Barclay (1957–1969)	Professor of Nursing
Ann Barbour (1998–2008)	Professor of Education
Butrus Basmaji (1969–2006)	Professor of Mathematics
Sharon Bassett (1967–2001)	Professor of English
Francis H Baxter (1950–1978)	Professor of Music
Linda Beamer (1991–2005)	Professor of Marketing
Abdallah J Beddawi (1963-2003)	Professor of French
William Belan (1982-2010)	Professor of Music
Isaac Berman (1965–1988)	Professor of Education
Gary A Best (1968-2002)	Professor of Education
Shirley J Better (1969–2001)	Professor of Social Work
V Patricia Beyer (1973–1990)	Professor of Education
Anjan K Bhaumik (1966-2005)	Professor of Civil Engineering
Beverly R Bigler (1973–2003)	Professor of Nursing
Nancy J Billett (1975–1985)	Professor of Business Education and Office Administration
David Bilovsky (1956–1979)	Professor of Education
Ann Bingham-Newman (1974–2006)	Professor of Education

Sharon Bishop (1967–2004)	Professor of Philosophy
Wayne Bishop (1971–2010)	Professor of Mathematics
Evan E Black (1983–1991)	Librarian
Henry Etta Brown Blackmon (1968–1986)	Professor of Nursing
Robert E Blackmon (1960–1986)	Professor of Journalism
Carlton Blanton (1970-1999)	Professor of Health Science
Keith R Blunt (1967–1994)	Professor of Management
James A Bolton (1969-1997)	Professor of Education
Charles E Borman (1960-1992)	Professor of Art
James D Boulgarides (1977-2003)	Professor of Marketing
George B Bouse (1959-1994)	Professor of Electrical Engineering
Roger R Bowers (1972–2007)	Professor of Biological Sciences
Barbara Ann Boyer (1989-2010)	Professor of Art
Roger D Brandt (1962-1998)	Professor of Electrical Engineering
Donald W Bray ( 1961-1997)	Professor of Political Science
Peter A Brier (1972-1998)	Professor of English
Charles E Brinkley (1961–1991)	Librarian
Allen P Bristow (1959–1983)	Professor of Criminal Justice
Helen Brocklehurst (1960–1971)	Counselor and Associate Professor of Education
Costello Brown (1969–2005)	Professor of Chemistry
Harold C Brown (1966–1992)	Professor of Education
Marilyn Buccellati (1973–2003)	Professor of Art
Millie Burnett (1978-1998)	Professor of Music
Richard Dean Burns (1960–1992)	Professor of History
Donald R Burrill (1962–1992)	Professor of Philosophy
Stanley M Burstein (1968-2004)	Chair and Professor of History
Butrus G Basmaji (1969–2005)	Professor of Mathematics
H Randall Butler (1954–1985)	Associate University Librarian

## C

Herminia G Cadenas (1990-2004)	Professor of Education
Naomi J Caiden (1993 - 2009)	Professor of Political Science
Randy M Caine (1998–2008)	Professor of Nursing
Robert Bascom Callahan (1960–1983)	Professor of Political Science
Evelyn Ruiz Calvillo (1990–2010)	Professor of Nursing
Giorgio Canarella (1973–2007)	Professor of Economics and Statistics
Samuel M Caplin (1960–1980)	Professor of Botany
Brian Capon (1961–1992)	Professor of Biology
Robert Carr (1964-1999)	Professor of Physics
E Dale Carter (1966-1997)	Professor of Spanish
Phillip L Carter (1970–1988)	Associate Professor of Social Work
Joseph Casanova, Jr (1961-1994)	Professor of Chemistry
Barbara S Case (1973-2002)	Reference Librarian
Susan B Cash (1991–2009)	Associate Vice President, Academic Affairs and Art
Marshall L Cates (1971-2004)	Professor of Mathematics
Paul L Chabot (1970-2004)	Professor of Mathematics
Berken Chang (1969-1996)	Professor of Physics
Emily C Chang (1959–1983)	Professor of Accounting
May E Chin (1975–1998)	Professor of Communication Disorders
Patricia A Chin (1989–2008)	Professor of Nursing
Doris C Ching (1962–1991)	Professor of Education
Philip C Chinn (1988–2000)	Professor of Education
Joseph A Chrzanowski (1969-2001)	Professor of Spanish

Barbara J Clark (1968–2000)	Professor of Education
Lawrence Clark (1960-1992)	Professor of Business Law
John L Cleman (1971–2007)	Professor of English
Nancy Cobb (1965- 2003)	Professor of Psychology
Bernard Codner (1955-2002)	Professor of Marketing
Harry C Coffin (1960–1980)	Professor of Geography
Harold L Cohen (1969-2000)	Professor of Physics
Irving J Cohen (1959–1988)	Associate Librarian
Neil A Cohen (1976–2002)	Professor of Social Work
William A Cohen (1979–2002)	Professor of Marketing
Ivan P Colburn (1964–1990)	Professor of Geology
William M Cole (1964–1992)	Professor of Safety Studies
Charles Coleman (1968-2000)	Professor of Physics
Joanne A Collins (1982–2003)	Professor of Accounting
Alan A Colville (1962-1996)	Professor of Geology
Mary Conroy (1969–2000)	Professor of Physical Education
Webster E Cotton (1966-1997)	Professor of Education
Alan N Crawford (1969-2002)	Professor of Education
Daniel Crecelius (1964–2001)	Professor of History
Theodore J Crovello (1987-2004)	Dean of Graduate Studies and Research and Professor of Biological Sciences
Douglas L Currell (1957–1991)	Professor of Chemistry
Ivan N Cury (1990-2006)	Professor of Broadcasting

## D

John A Dahl (1955–1983)	Professor of Education
Saralyn R Daly (1962–1988)	Professor of English
Peter Marc Damien (1972 -1992)	Professor of Art
William D Darrough (1973-2002)	Professor of Sociology
Shirlee D Davis (1967-1992)	Professor of Education
Terry E Davis (1968-1999)	Professor of Geology
Bruce Dayton (1965–1980)	Professor of Physics
Phoebe K Dea (1976-1996)	Professor of Chemistry
Marion V Dearman (1971-1992)	Professor of Sociology
Louis C De Armond (1950-1979)	Professor of History
Cameron Scott Deeds (1951–1985)	Professor of Physical Education
John H DeHardt (1961-1992)	Professor of Mathematics
Patricia A Delaney (1962-1994)	Professor of Recreation
Earl W Denny (1959–1983)	Associate Dean, School of Education, and Professor of Education
Donald O Dewey (1962-1996)	Dean, School of Natural and Social Sciences, and Professor of History
Geraldine Dimondstein (1972–1989)	Professor of Art
Wachtang Djobadze (1968–1988)	Professor of Art
Cortland C Doan (1965–1989)	Professor of Technology
Jim D Donohoo (1981–2003)	Professor of Accounting
Robert L Douglass (1951–1987)	Professor of Communication Disorders
Daniel Douke (1982–2003)	Professor of Art
Domnita Dumitrescu (1987-2011)	Professor of Spanish
Pamela Dunne (1974-2010)	Professor of Theatre Arts
Eugene P Dvorin (1958-1992)	Professor of Political Science

## E

Louis W Eggers, Jr (1962–1991)	Professor of Electrical Engineering
Annette Ehrlich (1969-1994)	Professor of Psychology
Robert A Eisenberg (1967-1992)	Professor of Education
Norman L Ellenberg (1969-1991)	Professor of Education
Patricia Wright Ellis (1970–1986)	Professor of Family Studies and Consumer Sciences
Lu Elrod (1978–2004)	Professor of Music
Ray Engelke (1964–1983)	Associate Librarian
George N Engler (1975-2007)	Professor of Finance and Law
Martin B Epstein (1970-2004)	Professor of Physics
Robert H Ewald (1957–1986)	Professor of Anthropology

## F

Neda S Fabris (1979-2008)	Professor of Mechanical Engineering
Linda Fahey (1976-1999)	Professor of Nursing
Sarah P Farnham (1971-1996)	Professor of Nursing
Marlene Farrell (1963-1998)	Professor of Nursing
Rod A Faurot (1959–1999)	Professor of Kinesiology and Physical Education
Raymond E Fausel (1962–1990)	Professor of Technology
Stephen F Felszeghy (1979-2005)	Professor of Mechanical Engineering
Robert L Fennessy (1965-1992)	Professor of Health Science
Lloyd N Ferguson (1965–1986)	Professor of Chemistry
Otto W Fick (1956–1982)	Professor of English
Robert R Fiedler (1961-1997)	Professor of Art
Stuart P Fischhoff (1972–2004)	Professor of Psychology
Anita H Fisher (1956–1980)	Professor of Physical Education
Janet C Fisher-Hoult (1986–2001)	Director, Center for Effective Teaching and Learning, and Professor of Education
Edward C Forde (1971–2004)	Professor of Art
Robert M Fowells (1962–1988)	Professor of Music
Anthony Fratiello (1963–1999)	Professor of Chemistry
Marilyn Friedman (1967–2000)	Professor of Nursing
Alfred H Fritz (1971–1988)	Professor of Mechanical Engineering
Norman Fruman (1959–1980)	Professor of English
John Funakura (1988-2006)	Professor of Art

## G

John A. Gamon (1991-2008)	Professor of Biological Sciences
Perry S Ganas (1970-2001)	Professor of Physics
Jewell L Garner (1961–1982)	Professor of Education
Ann Garry (1969–2006)	Professor of Philosophy
Neil H Garston (1975-2009)	Professor of Economics and Statistics
Christine Givner (1993-2004)	Professor of Education
Phillip L Gold (1967-1984)	Professor Of Mechanical Engineering
Herbert Goldberg (1965-2002)	Professor of Psychology
Herbert Goldenberg (1955–1986)	Professor of Psychology
Harold Goldwhite (1962-2004)	Professor of Chemistry
Alfonso González (1975-2002)	Professor of Spanish
Lawrence P Goodman (1961-1994)	Professor of Theatre Arts
Leonard Gordon (1962–1987)	Associate Librarian
Harold J Gottlieb (1972-2002)	Professor of Psychology
G Douglas Gourley (1957–1977)	Professor of Criminal Justice
Richard C Grace (1969–1992)	Professor of Criminal Justice

Gloria S Graham (1959–1986)	Professor of Education
Gregory S Graham (1968–2001)	Professor of Technology
Thomas M Graham (1959–1992)	Professor of Psychology
Evelyn B Granville (1967–1984)	Professor of Mathematics
Marilyn W Greenberg (1974-1992)	Professor of Education
David T Gregorich (1968-2000)	Professor of Physics

## H

Robert G Hadley (1965-1992)	Professor of Education
Robert O Hahn (1956–1980)	Professor of Education
Rosmary L Hake (1980–2002)	Professor of English
Harold D Hall (1956–1980)	Professor of Education
Edmond C Hallberg (1965–1994)	Professor of Education
Sin Fong Han (1971-2004)	Professor of Geography
Louis A Hansen (1956–1980)	Professor of Music
William R Hanson (1960–1987)	Professor of Biology
Timothy Fox Harding (1963–1994)	Professor of History
Margaret J Hartman (1970-2000)	Provost and Vice President for Academic Affairs and Professor of Biology
James W Harvey (1955–1971)	Professor of Botany and Nature Study
Audrey Graff Hawk (1960–1981)	Associate Librarian
Cherie Hawley (1989-2007)	Acting Dean, Charter College of Education and Professor of Education
Harry S Hayashi (1965-1992)	Professor of Mathematics
Peter D Hechler (1973–2005)	Professor of Management
J Dennis Heim (1966–2001)	Professor of Education
Leonard W Hein (1956–1983)	Professor of Accounting
W Keith Henning (1966-2002)	Professor of Speech Communication
James Henrickson (1966–2000)	Professor of Biology
Jack C Heppe (1949–1977)	Director of Campus Development
John W Hermann (1966–1990)	Professor of Physical Education
Fernando Hernandez (1972-2006)	Professor of Education
Anne Hess (1968-2002)	Reference Librarian
Udo Heyn (1969-1998)	Professor of History
Raymond E Hillis (1965-2004)	Professor of Education
Kenneth F Hird (1974-1994)	Professor of Technology
Patricia M Hodges (1970–1986)	Professor of Psychology
Virginia Hoffman (1952–1987)	Professor of Art
Deborah Holland (1997-2010)	Professor of Music
Lawrence K. Hong (1970-2010)	Professor of Sociology
Robert Howard (1986-1996)	Professor of Electrical Engineering
Jackie L Hoyt (1958-1992)	Professor of Physical Education
Donald E Hudson (1964–1983)	Professor of Physics
Richard W Hurst (1978- 2007)	Professor of Geological Sciences

## I

Charles J Inacker (1974-1991)	Dean, School of Business and Economics, and Professor of Office Systems and Business Education
Melva E Irvin (1995–2001)	Director, Center for Effective Teaching and Learning and Professor of Kinesiology and Physical Education

## J

Pamela D Jablonsky (1978-1996)	Professor of Technology
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<b>Durward P Jackson (1981–2001)</b>	Professor of Information Systems
<b>Raleigh Jackson (1973-1992)</b>	Professor of Education
<b>George E Jakway (1961-1991)</b>	Associate Professor of Biology
<b>Colleen Jamison (1965-1997)</b>	Professor of Education
<b>Raymond I Jeng (1968 - 2003)</b>	Professor of Civil Engineering
<b>Nandlal Jhunjhunwala (1967-2001)</b>	Associate Professor of Mathematics
<b>JoAnn Johnson (1968-1997)</b>	Professor of Nursing
<b>Joan D Johnson (1955-1992)</b>	Professor of Physical Education
<b>Karen M Johnson (1965-2001)</b>	Associate Dean, College of Health and Human Services, and Professor of Kinesiology and Physical Education
<b>Lois V Johnson (1950–1976)</b>	Professor of Education
<b>Ruth S Johnson (1990–2006)</b>	Professor of Education
<b>Sharon Johnson (1989–2006)</b>	Professor of Education

## **K**

<b>Terry R. Kandal (1968-2010)</b>	Professor of Sociology
<b>Kazumitsu Kato (1963-1992)</b>	Professor of Japanese
<b>Richard Katz (1969-2002)</b>	Professor of Mathematics
<b>Dorothy L Keane (1973-2002)</b>	Professor of Education
<b>Delos H Kelly (1976-2004)</b>	Professor of Sociology
<b>Michael P Kelley (1972-2001)</b>	Professor of Speech Communication
<b>Hugh W Kennedy (1963-1988)</b>	Professor of Spanish
<b>Irving Kett (1971-2009)</b>	Professor of Civil Engineering
<b>Richard T Keys (1959-1996)</b>	Professor of Chemistry
<b>Hendrik Keyzer (1967-1995)</b>	Professor of Chemistry
<b>Rauf-Ur R Khan (1968-2001)</b>	Professor of Management
<b>Donald I Kiel (1960-1992)</b>	Professor of Mathematics and Computer Science
<b>Young C Kim (1965-2005)</b>	Chair and Professor of Civil Engineering
<b>Wanda L King (1965–1980)</b>	Professor of Nursing
<b>John A Kirchner (1979-2006)</b>	Professor of Geography
<b>Norman Klein (1971–2004)</b>	Professor of Anthropology
<b>Dale L Knapp (1959-1995)</b>	Professor of Education
<b>MaryLynne Knutson (1972–1992)</b>	Professor of Office Systems and Business Education
<b>Grigori Kolesnik (1984-2006)</b>	Professor of Mathematics
<b>Mary A Kramer (1972–1991)</b>	Associate Professor of Family Studies and Consumer Sciences
<b>Ellen King Kravitz (1967-1999)</b>	Professor of Music
<b>Beverly Krilowitz (1990–2010)</b>	Professor of Biological Sciences
<b>Robert D Kully (1956–1992)</b>	Professor of Speech Communication
<b>JoAn D Kunselman (1990–2004)</b>	Professor of Music
<b>Nancy E. Kupka (1982-2010)</b>	Professor of Dance
<b>Frances Kuwahara-Chinn (1998–2008)</b>	Professor of Education

## **L**

<b>Jean P La Cour (1977-2001)</b>	Professor of Psychology
<b>David Laird (1958–1990)</b>	Professor of English
<b>John LaMonica (1956–1980)</b>	Professor of Industrial Studies
<b>Raymond B Landis (1985–2001)</b>	Dean, School of Engineering and Technology and Professor of Mechanical Engineering
<b>Chor Tin Lau (1985–2003)</b>	Professor of Accounting
<b>Jean Utley Lehman (1963–1974)</b>	Professor of Education
<b>Vernon F Leidig (1950–1982)</b>	Professor of Music
<b>John M Leiman (1967–1983)</b>	Associate Professor of Psychology
<b>Philip Yuen-Sang Leung (1986-2000)</b>	Professor of History
<b>Anson J Levine (1969-2001)</b>	Associate Professor of Psychology

Jack G Levine (1960–2001)	Professor of Electrical Engineering
Seymour Levitan (1961–1992)	Professor of Psychology
Jane Sanford Lewis (1968-1991)	Professor of Family Studies and Consumer Sciences
Robert T Lewis (1952–1982)	Professor of Psychology
Charles F Leyba (1965-1992)	Professor of Education
Roy Liebman (1969–2000)	Librarian, Collection Services
Randall B Lindsey (1981-2003)	Professor of Education
Harold E Lionetti (1956–1982)	Professor of Spanish
Jasper Little (1978–1992)	Professor of Education
Peter P Lockett (1969–1994)	Professor of Accounting
William F Long (1967–1983)	Associate Director of Institutional Research
Genaro A Lopez (1981-2004)	Professor of Biological Sciences
Z Barry Lowenkron (1973 - 2004)	Professor of Psychology
Irwin Lublin (1965-1992)	Professor of Psychology

## M

G Grant MacCurdy (1970-2001)	Professor of Spanish
Daniel Mahoney (1972-1998)	Associate Professor of Biology
Leonel A Maldonado (1999-2004)	Professor of Chicano Studies
Edward Malecki (1968-2002)	Professor of Political Science
Jean Maloney (1960–1984)	Professor of English
M Morris Mano (1960–1990)	Professor of Electrical Engineering
Demetrius J Margaziotis (1964-2003)	Professor of Physics
Judith S Margolis (1973-1992)	Professor of Education
Rosemarie Marshall (1978-2000)	Professor of Microbiology
Catherine Martin (1970-1996)	Professor of Anthropology
Patricia Martz (1990-2005)	Professor of Anthropology
Susan Mason (1990-2010)	Professor of Theatre Arts
Leonard G Mathy (1950–1983)	Professor of Economics
Masako M Matsuda (1977-2004)	Professor of Communication Disorders
Michael J Maurer (1970-1997)	Professor of Mechanical Engineering
C Lamar Mayer (1965-1992)	Associate Dean, School of Education, and Professor of Education
G Roy Mayer (1969-2003)	Professor of Education
Vincent Mazzucchelli (1971-1996)	Professor of Geography
Malcolm A McClain (1965–1988)	Professor of Art
Carol G McKenzie (1970–1999)	Professor of Kinesiology and, Physical Education
David McNutt (1968-2004)	Professor of Instructional Media Services
Margaret E McWilliams (1961-1992)	Professor of Family Studies and Consumer Sciences
Robert F Meade (1960-1993)	Professor of Geology
Milton W Meyer (1959–1986)	Professor of History
Jung Kim Miller (1989-2006)	Professor of Nursing
Maxine L Miller (1955–1980)	Professor of Home Economics
Robert A Miller (1966-1997)	Professor of Physical Education
Frederic E Mints (1970–1981)	Professor of Accounting
Majdedin Mirmirani (1981-2007)	Professor of Mechanical Engineering
Thomas M Miyake (1988-2006)	Professor of Music
Marguerite Mochel (1949–1973)	Professor of Physical Education
Irene M Molloy (1972–1990)	Professor of Nursing
Lorraine Monnin (1960–1991)	Professor of Communication Disorders
Raquel Montenegro (1969–1992)	Professor of Education
Donald A Moore (1956–1982)	Professor of Economics and Statistics
Alfredo O Morales (1965–1989)	Professor of Spanish



Rosario Morales (1993–2008)	Professor of Education
Joy Ann Morin (1993-2002)	Professor of Education
Fernando B Morinigo (1963–1990)	Professor of Physics
Robert R Morman (1956–1991)	Professor of Education
Robert H Morneau, Jr (1977–1988)	Professor of Criminal Justice
Ronald H Morris (1960–1998)	Professor of Physical Education
Donald G Mortensen (1949–1978)	Dean, School of Fine and Applied Arts, and Professor of Education
Herbert Moskowitz (1962–1985)	Professor of Psychology
Anthony Moye (1962-1996)	Professor of Chemistry
Paul T Mu (1969–1992)	Professor of Economics and Statistics
Dennis M Murphy (1975-2001)	Professor of Accounting

## N

Louis Negrete (1972-2001)	Professor of Chicano Studies
Edward A Nelson (1959–1980)	Professor of Finance
Helen Isabel Nicklin (1964–1986)	Professor of Education
Arthur H Niehoff (1968–1986)	Professor of Anthropology
Donald A Nielsen (1968–1992)	Professor of Education
Reed E Nilsen (1955–1985)	Professor of Physical Education
Naomi P Norton (1961–1974)	Professor of Home Economics
Gary A Novak (1970-2008)	Professor of Geological Sciences
Jonathan Nwomonoh (1970-2002)	Professor of Pan African Studies

## O

Freda V O'Bannon-Lemmi (1968-1998)	Professor of Nursing
Helen M O'Connell (1963–1981)	Professor of Nursing
Marjorie Elaine O'Leary (1980–1993)	Associate Professor of Nursing
Aida Takla O'Reilly (1970–2000)	Professor of Pan-African Studies
Eduardo Ochoa (–2010)	Professor of Economics and Statistics
Moonsong (David) Oh (1980–2005)	Professor of Marketing
Marie Ohlsen (1961–1977)	Assistant Professor of English
Jon L Olson (1970-2000)	Professor of Anthropology
Thomas P Onak (1959-1997)	Professor of Chemistry
Sumiye N Onodera (1970–1986)	Associate Professor of Family Studies and Consumer Sciences
Elliott Oring (1971-2004)	Professor of Anthropology
Elaine Osio (1970-2004)	Professor of English
Selmer Ostlie (1958–1972)	Professor of Education
Jesse L Ott (1957–1977)	Director, Audiovisual Services, and Professor–Administration
Evan K Oyakawa (1961-1991)	Professor of Biology

## P

Clement Padick (1960-1995)	Professor of Geography
Anne M Palmer (1953–1971)	Assistant Professor of Education
Judith L Papenhausen (1972-2004)	Director and Professor of Nursing
Francoise M Pasques (1961-1992)	Associate Professor of French
Donald R Paulson (1970-2003)	Professor of Chemistry
Victor Payse, Jr (1959–1983)	Professor of Electrical Engineering
Betsy Peitz (1977–2007)	Professor of Biological Sciences
Esther Penchef (1948–1973)	Professor of Sociology
Elba Torres de Peralta (1967-1992)	Professor of Spanish
David R Perrott (1968-2001)	Professor of Psychology
Thomas H Peterson (1970–1999)	Professor of English
Gray Phillips (1962–1992)	Professor of Art

<b>Kenneth Phillips (1971–1986)</b>	Professor of Technology
<b>Jean S Phinney (1977-2004)</b>	Professor of Psychology
<b>Ronald L Pierce (1973-2000)</b>	Associate Professor of Accounting
<b>Arnold Pincus (1961-1992)</b>	Assistant Professor of History
<b>Stanley H Pine (1964-1998)</b>	Professor of Chemistry
<b>Eleni N Pitsiou-Darrough (1973-2002)</b>	Professor of Sociology
<b>Vilma Potter (1961–1992)</b>	Professor of English
<b>Jagdish Prasad (1969-2004)</b>	Professor of Mathematics
<b>Kenneth J Pratt (1958-1992)</b>	Professor of History
<b>Lamar Price (1964–1986)</b>	Professor of Education
<b>Fred Pyrczak, Jr (1970-2001)</b>	Professor of Education

## R

<b>Neil Rabbitoy (1968–1991)</b>	Professor of History
<b>Carolyn Radakovich (1970-1997)</b>	Professor of Art
<b>Raj Ramchandani (1976-2005)</b>	Professor of Electrical Engineering
<b>D Lynn Rans (1984–1999)</b>	Professor of Accounting
<b>Gerald R Rasmussen (1964–1989)</b>	Professor of Education
<b>Marshall E Reddick (1970–2000)</b>	Professor of Marketing
<b>John D Rees (1968-1997)</b>	Professor of Geography
<b>Robert D Reeser (1971–1994)</b>	Associate Dean, School of Arts Letters, and Professor of Art
<b>Warren E Reeves (1950–1982)</b>	Professor of Physical Education
<b>Fred M Reinman (1967–1989)</b>	Professor of Anthropology
<b>Lois M Rhinesperger (1959–1981)</b>	Professor of Home Economics
<b>Fred G Rhodes (1954–1980)</b>	Professor of Education
<b>Patricia Richard-Amato (1984–1991)</b>	Professor of Education
<b>Sidney Richman (1962–1992)</b>	Professor of English
<b>Richard D Roberto (1966-1999)</b>	Professor of Mechanical Engineering
<b>Martin S Roden (1968–2005)</b>	Professor of Electrical Engineering
<b>Edythe Rodriguez (1952–1983)</b>	Associate Professor of Education
<b>Michael W Roffe (1973-2004)</b>	Professor of Psychology
<b>Howard Rosen (1970-2002)</b>	Professor of Biology
<b>J Murray Ross (1965–1992)</b>	Librarian
<b>Alice M Roy (1984–2002)</b>	Professor of English
<b>Thomas A Rusch (1959–1980)</b>	Professor of Political Science
<b>Mercer Price Russell (1964–1992)</b>	Professor of Biology

## S

<b>Noriko Saito (1991-2004)</b>	Professor of Education
<b>Rolando A Santos (1965-2004)</b>	Professor of Education
<b>Patricia Savich (1979-2004)</b>	Professor of Communication Disorders
<b>Pauline E Schatz (1969–1983)</b>	Professor of Home Economics
<b>Martin J Schiesl (1970–2001)</b>	Professor of History
<b>William B Schneider (1978-2002)</b>	Professor of Accounting
<b>Jeanne Schnitzler (1959-1997)</b>	Professor of Art
<b>Mary L Schreiber (1967-1992)</b>	Professor of Physical Education
<b>Leon Schwartz (1959–1987)</b>	Professor of French
<b>Janet A Seaman (1972-1997)</b>	Professor of Physical Education
<b>Burton M Seidler (1965–1990)</b>	Professor of Physical Education
<b>Carl Selkin (1970–2006)</b>	Dean, College of Arts Letters, and Professor of English
<b>Joseph T Seto (1960–1988)</b>	Professor of Microbiology
<b>Gordon B Severance (1956–1980)</b>	Professor of Business Law

<b>Fred J Shanley (1965–1980)</b>	Professor of Sociology
<b>Carleton B Shay (1962–1989)</b>	Associate Dean, School of Education and Professor of Education
<b>Lilly Shen (1963–1992)</b>	Professor of Family Studies and Consumer Sciences
<b>Mary Elizabeth Shutler (1988–1994)</b>	Provost and Vice President for Academic Affairs and Professor of Anthropology
<b>Gunjit Sikand (1958–1981)</b>	Professor of Civil Engineering
<b>Ronald H Silverman (1955–1988)</b>	Professor of Art
<b>Robert H Simmons (1962–1985)</b>	Professor of Political Science
<b>Patricia Bates Simun (1968–1991)</b>	Professor of Education
<b>Barbara Peterson Sinclair (1961–1999)</b>	Professor of Nursing
<b>Katherine Sistrom (1956–1971)</b>	Assistant Professor of Education
<b>Carol J Smallenburg (1950–1985)</b>	Professor of Education
<b>Arthur L Smith (1957–1992)</b>	Professor of History
<b>Benjamin W Smith (1963–2000)</b>	Professor of Political Science
<b>Marjorie M Smith (1959–1979)</b>	Professor of Theatre Arts
<b>Sidney Soclof (1960–2000)</b>	Professor of Electrical Engineering
<b>Joseph E Soldate (1966–2002)</b>	Professor of Art
<b>David L Soltz (1973–1988 and 1996–2001)</b>	Dean, College of Natural and Social Sciences and Professor of Biology
<b>Bernard J Somers (1960–1983)</b>	Professor of Psychology
<b>Ralph S Spanswick (1970–2000)</b>	Chair and Professor of Accounting
<b>Frieda A Stahl (1959–1992)</b>	Professor of Physics
<b>Timothy Steele (1987–2007)</b>	Professor of English
<b>J Leonard Steinberg (1962–1992)</b>	Professor of Education
<b>John F. Steiner (1973–2010)</b>	Professor of Management
<b>Milton Stern (1960–1992)</b>	Professor of Music
<b>William L Sternal (1966–2004)</b>	Counselor and Associate Dean, Student Affairs
<b>Judith E Stevens-Long (1971–1993)</b>	Professor of Psychology
<b>Virgil H Stevens (1963–1985)</b>	Associate Professor of Political Science
<b>Richard M Straw (1956–1981)</b>	Professor of Biology
<b>Kenneth S Strobel (1955–1975)</b>	Associate Director of Photographic Services, Audio–Visual Center
<b>Gaby Stuart (1964–1991)</b>	Professor of English
<b>Joseph Stubbins (1959–1980)</b>	Professor of Education
<b>Robert J Stull (1969–2001)</b>	Professor of Geology
<b>Pudukkottai K Subramanian (1985–2007)</b>	Chair, Department of Mathematics and Professor of Mathematics, and Adjunct Professor of Computer Science
<b>Vito G Susca (1964–1991)</b>	Professor of Music
<b>Rose-Marie Swallow (1970–1992)</b>	Professor of Education
<b>R Carol Sweeney (1986–1994)</b>	Professor of Education
<b>Kenneth N Sweetnam (1957–1983)</b>	Director, Instructional Media Services, and Professor of Industrial Studies

## T

<b>Ellenore C Takeda (1959–1978)</b>	Librarian
<b>Lydia M Takeshita (1955–1989)</b>	Professor of Art
<b>Narendra B. Taly (1977–2010)</b>	Professor of Civil Engineering
<b>Robert Tamaki (1969–2001)</b>	Associate Professor of Mathematics
<b>Elfleda J Tate (1966–1983)</b>	Professor of Education
<b>L Clinton Taylor (1999 – 2007)</b>	Professor of Education
<b>William A Taylor (1970–2004)</b>	Professor of Physics
<b>Norwood Teague (1958–1977)</b>	Professor of Industrial Studies
<b>Olga A Termini (1972–1996)</b>	Professor of Music
<b>Raymond D Terrell (1973–1992)</b>	Dean, School of Education, and Professor of Education
<b>F Annette Tessier (1969–1986)</b>	Professor of Education
<b>John E Thornbury (1988 - 1999)</b>	Librarian/Reference
<b>Maurine Timmerman (1950–1974)</b>	Professor of Music

Roy Tozier (1952–1965)	Professor of Education
Nathaniel Trives (1969-1997)	Professor of Criminal Justice
Ronald T. Tsukashima (1972–2010)	Professor of Sociology
Carol F. Tuntland (1988-2010)	Professor of Art
Alvin E Tuohino (1956–1976)	Professor of Accounting

## U

Norman Unrau (1993–2006)	Professor of Education
Sarah Winifred Utz (1969–1992)	Professor of Nursing

## V

Philip D Vairo (1973–1982)	Dean, School of Education, and Professor of Education
Velma J Vance (1956–1991)	Professor of Biology
Stewart M Venit (1971-2009)	Professor of Mathematics
Robert C Verkler (1970–1988)	Professor of Information Systems
Diane Vernon (1969–2003)	Professor of Nursing
Andrei Verona (1984–2005)	Professor of Mathematics
Elizabeth A Viau (1992-2002)	Professor of Education
Hildebrando Villarreal (1976-2006)	Professor of Spanish
Richard J Vogl (1961–1994)	Professor of Biology
George R Vick (1967–1997)	Professor of Philosophy

## W

William C Waddell (1967–1992)	Professor of Management
Kenneth A Wagner (1969 -2001)	Professor of Political Science
Patricia L Wagner (1962-1996)	Professor of Physical Education
Marian E Wagstaff (1952–1976)	Professor of Education
Roy H Walden (1967–1992)	Professor of Art
Edwin Wandt (1954–1983)	Professor of Education
Wen L Wang (1967-1996)	Professor of Civil Engineering
Beverly Y Warner (1953–1975)	Professor of Physical Education
Hugh E Warren (1976-2003)	Associate Dean, College of Business and Economics, and Professor of Accounting
Alice V Watkins (1969-1995)	Associate Dean, School of Education, and Professor of Education
Gary Steele Watson (1974–1999)	Professor of Business Law
David J Weiss (1970-2006)	Professor of Psychology
John H Weston (1971–1992)	Professor of English
Lee J Wexler (1959–1986)	Professor of Art
Patricia M White (1962–1982)	Professor of Physical Education
William E R Whiteley (1958–1986)	Professor of Health Science
Patti W Schliestett Wiggins (1956–1990)	Professor of Music
William E Wilgus (1963–1992)	Professor of Physical Education
Rhea Williams (1989 –2005)	Professor of Nursing
Erika G Wilson (1968–2001)	Professor of Economics and Religious Studies
Joan B Wilson (1981–1992)	Professor of Education
Hubert C Winkler (1968–1979)	Professor of Physics
Jeannette Rennner Witucki (1967–1986)	Professor of Anthropology
John B Wood (1962-1999)	Reference Librarian
John C Woolum (1970-2001)	Professor of Physics
Emil Wroblicky (1956–1987)	Professor of Physical Education
Ruth R Wu (1971-1995)	Dean, School of Health and Human Services, and Professor of Nursing

**Kenneth Wynsma (1962–1980)**

Associate Professor of Art

**Y**

**Fleur B Yano (1964-1996)**

Professor of Physics

**DeAnn Marie Young (1969 –2001)**

Professor of Nursing

**Eui-Young Yu (1968–2001)**

Professor of Sociology

**Z**

**Robert G Zahary (1972-1994)**

Professor of Accounting

**Vicente S Zapata (1978–1999)**

Professor of Health Science

**Wayne S Zimmerman (1961–1980)**

Professor, Counseling Center

**Wanna M Zinsmaster (1962–1992)**

Professor of Education

# The California State University System



- [Map of CSU Office and Campus Locations](#)
- [Officials of the California State University](#)

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The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became The California State University and Colleges, and in 1982 the system became The California State University. Today the campuses of the CSU include comprehensive and polytechnic universities and, since July 1995, the California Maritime Academy, a specialized campus.

The oldest campus—San José State University—was founded in 1857 and became the first institution of public higher education in California. The newest—CSU Channel Islands—opened in fall 2002, with freshmen arriving in fall 2003.

Responsibility for The California State University is vested in the Board of Trustees, whose members are appointed by the Governor. The Trustees appoint the Chancellor, who is the chief executive officer of the system, and the Presidents, who are the chief executive officers of the respective campuses.

The Trustees, the Chancellor, and the Presidents develop systemwide policy, with implementation at the campus level taking place through broadly based consultative procedures. The Academic Senate of the California State University, made up of elected representatives of the faculty from each campus, recommends academic policy to the Board of Trustees through the Chancellor.

Academic excellence has been achieved by the California State University through a distinguished faculty whose primary responsibility is superior teaching. While each campus in the system has its own unique geographic and curricular character, all campuses, as multipurpose institutions, offer undergraduate and graduate instruction for professional and occupational goals as well as broad liberal education. All campuses require for graduation a basic program of “General Education Requirements” regardless of the type of bachelor’s degree or major field selected by the student.

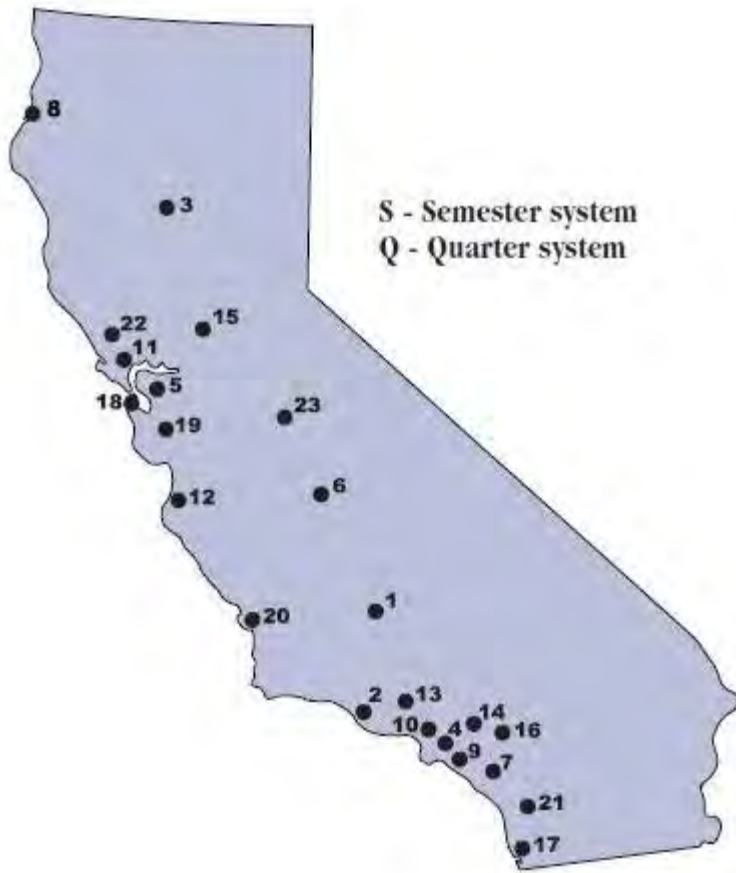
The CSU offers high-quality, affordable bachelor’s and master’s level degree programs. Many of these programs are offered so that students can complete all upper division and graduate requirements by part-time, late afternoon, and evening study. In addition, a variety of teaching and school service credential programs are available. A limited number of doctoral degrees are offered jointly with the University of California and with private institutions in California. In 2005, the CSU was authorized to independently offer educational doctorate (Ed.D.) programs.

Enrollment in fall 2010 totaled 412,000 students, who were taught by more than 21,000 faculty. The system awards about half of the bachelor’s degrees and a third of the master’s degrees granted in California. More than 2.6 million students have graduated from CSU campuses since 1961.

A recent economic report found that the CSU supports more than 150,000 jobs statewide, annually. The engine driving job creation is more than \$17 billion in economic activity that directly results from CSU-related spending that generates \$5.43 for every dollar the state invests. For more information, please see [www.calstate.edu/impact](http://www.calstate.edu/impact).

## Map of CSU Office and Campus Locations

Check out the website for the entire California State University: [www.csumentor.edu](http://www.csumentor.edu). You will find helpful hints, frequently asked questions, campus tours, and general information about all 23 campuses. The phone number listed for each campus is for the Office of Admission.



**1 California State University, Bakersfield • Q**

9001 Stockdale Highway  
Bakersfield, CA 93311-1022  
Dr. Horace Mitchell, President  
(661) 654-2782  
[www.csub.edu](http://www.csub.edu)

**2 California State University, Channel Islands • S**

One University Drive  
Camarillo, CA 93012  
Dr. Richard R. Rush, President  
(805) 437-8400  
[www.csuci.edu](http://www.csuci.edu)

**3 California State University, Chico • S**

400 West First Street  
Chico, CA 95929-0150  
Dr. Paul J. Zingg, President  
(530)-898-4636  
[www.csuchico.edu](http://www.csuchico.edu)

**4 California State University, Dominguez Hills • S**

1000 East Victoria Street  
Carson, CA 90747-0005  
Dr. Mildred Garcia, President  
(310) 243-3696  
[www.csudh.edu](http://www.csudh.edu)

**5 California State University, East Bay • Q**

25800 Carlos Bee Boulevard  
Hayward, CA 94542  
Dr. Leroy M. Morishita, *Interim* President  
(510) 885-3000  
[www.csueastbay.edu](http://www.csueastbay.edu)

- 6 California State University, Fresno • S**  
5241 North Maple Avenue  
Fresno, CA 93740  
Dr. John D. Welty, President  
(559) 278-4240  
[www.csufresno.edu](http://www.csufresno.edu)
- 7 California State University, Fullerton • S**  
800 North State College Boulevard  
Fullerton, CA 92831-3599  
Dr. Milton A. Gordon, President  
(657) 278-2011  
[www.fullerton.edu](http://www.fullerton.edu)
- 8 Humboldt State University • S**  
One Harpst Street  
Arcata, CA 95521-8299  
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(707) 664-2880  
www.sonoma.edu

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801 West Monte Vista Avenue  
Turlock, CA 95382  
Dr. Hamid Shirvani, President  
(209) 667-3122  
www.csustan.edu

## Officials of the California State University

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### Office of the Chancellor

The California State University  
401 Golden Shore  
Long Beach, CA 90802-4210  
(562) 951-4000

Dr. Charles B. Reed                      Chancellor - CSU System  
Dr. Benjamin F. Quillian              Executive Vice Chancellor and Chief Financial Officer

Dr. Ephraim P. Smith	Executive Vice Chancellor and Chief Academic Officer
Mr. Garrett Ashley	Vice Chancellor, University Relations and Advancement
Ms. Gail Brooks	Vice Chancellor, Human Resources
Ms. Christine Helwick	General Counsel
Larry Mandel	University Auditor

## The CSU Board of Trustees

In adopting the Donahoe Higher Education Act of 1960, the State Legislature established the Board of Trustees of The California State College (designated "The California State University" on Jan. 1, 1982) to "succeed to the powers, duties and functions with respect to the management, administration and control of the state colleges." Prior to this, the State Board of Education had jurisdiction over the separate colleges.

The Donahoe Act also restructured the individual campuses into the nation's largest system of senior higher education. The Board of Trustees governs this diverse and complex 23-campus system by:

1. Developing broad administrative policy for the campuses
2. Providing broad direction and coordination to campus curricular development
3. Overseeing the efficient management of funds, property, facilities and investments by the system and the campuses
4. Appointing the Chancellor and Vice Chancellors for the system, and the Presidents for the campuses as chief executives with certain delegated responsibilities
5. Communicating to the people of California an understanding and appreciation of the current effectiveness and the future needs of the California State University.

Under present law there are 24 voting Trustees. Five Trustees are ex officio members: the Governor, Lieutenant Governor, Speaker of the Assembly, State Superintendent of Public Instruction, and the Chancellor. The Alumni Trustee is appointed by the CSU Statewide Alumni Council. The Student and Faculty Trustee are appointed by the Governor from nominees proposed by the California State Student Association and the Statewide Academic Senate respectively. The Student, Alumni, and Faculty Trustees serve for two years. The sixteen remaining Trustees are appointed by the Governor, confirmed by the State Senate, and serve for eight years. Trustees remain on the Board until a replacement is named or 60 days after their term expires.

The Governor is designated as the President of the Board; the Chancellor serves as Secretary-Treasurer. Other officers, including the Board's Chair and Vice Chair, are elected by Board members for one-year terms. One Trustee serves as representative to the California Postsecondary Education Commission.

Currently there are nine standing committees of the Board: Audit; Campus Planning, Buildings and Grounds; Collective Bargaining; Educational Policy; Finance; Governmental Relations; Institutional Advancement; Organization and Rules; and University and Faculty Personnel.

Board meetings are held in the headquarters building in Long Beach six times a year. Board meetings are arranged to allow or public comment and also to promote communication between the Trustees and campus Presidents, Executive Committee members of the Statewide Academic Senate, representatives of the California State Student Association, and officers of the Statewide Alumni Council.

The Donahoe Act - which grew out of the recommendations contained in A Master Plan for Higher Education in California, 1960-1975 - was added to the California Education Code as Division 16.5. Along with Division 18 of the Code, it defines the composition, appointments, terms, powers, and functions of the Board of Trustees.

Section 89030 of the Code provides that "the Trustees shall adopt rules and regulations not inconsistent with the laws of this State for: a) the government of the Trustees, b) the government of their appointees and employees, c) the government of the California State University." Section 66607 stipulates that "The California State University shall be entirely independent of all political and sectarian influence and kept free there from in the appointment of its Trustees and in the administration of its affairs."

## List of CSU Board of Trustees

### Ex Officio Trustees

The Honorable Edmund G. Brown, Jr.  
*Governor of California*

The Honorable Gavin Newsom  
*Lieutenant Governor of California*

The Honorable John Pérez  
*Speaker of the Assembly*

The Honorable Tom Torlakson  
*State Superintendent of Public Instruction*

Dr. Charles B. Reed  
*Chancellor of The California State University*

### Appointed Trustees

Appointments are made for a term of eight years, student, alumni, and faculty trustees whose terms are for two years. Terms expire in the year in parentheses. Names are listed alphabetically.

Roberta Achtenberg	(2015)
Carol R. Chandler	(2012)
Bernadette Cheyne	(2013)
Steven Dixon	(2012)
Debra S. Farar	(2014)
Kenneth Fong	(2013)
Margaret Fortune	(2016)
Steven Glazer	(2019)
Melinda Guzman	(2012)
William Hauck	(2017)
Linda A. Lang	(2017)
Bob Linscheid	(2012)
Peter Mehas	(2015)
Henry Mendoza	(2016)
Lou Monville	(2014)
Jillian Ruddell	(2013)
Glen Toney	(2013)

#### **Officers of the Trustees**

The Honorable Edmund G. Brown, Jr.	President
Bob Linscheid	Chair
Christine Helwick	Secretary
Richard P. West	Treasurer

Correspondence with Trustees should be sent to:

c/o Trustees Secretariat  
The California State University  
401 Golden Shore  
Long Beach, CA 90802-4210


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## Appendix A - Eligibility Index

The following table is used in determining the eligibility of graduates of California high schools and California legal residents for admission as freshmen at a California State University campus. For an explanation of how the eligibility index works, see *Eligibility Index* in the Admissions chapter. An applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is not required to submit test scores. However, all applicants for admission are urged to take the SAT or ACT because campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for freshman admission. The minimum eligibility index for California residents and California high school graduates is 2900 using the SAT and 694 using the ACT score. If you neither graduated from a California high school nor are a legal resident of California for tuition purposes, you need a minimum index of 3502 (SAT) or 842 (ACT). The method used to compute the index is explained below:

SAT: Multiply the grade point average by 800, adding your total score on the mathematics and critical reading scores\* of the SAT.

ACT: Multiply the grade point average by 200 and add it to 10 times the composite ACT score.

GPA	ACT Score	SAT Score
3.00 and above qualifies with any score		
2.99	10	510
2.98	10	520
2.97	10	530
2.96	11	540
2.95	11	540
2.94	11	550
2.93	11	560
2.92	11	570
2.91	12	580
2.90	12	580
2.89	12	590
2.88	12	600
2.87	12	610
2.86	13	620
2.85	13	620
2.84	13	630
2.83	13	640
2.82	13	650
2.81	14	660
2.80	14	660
2.79	14	670
2.78	14	680
2.77	14	690
2.76	15	700

2.75	15	700
2.74	15	710
2.73	15	720
2.72	15	730
2.71	16	740
2.70	16	740
2.69	16	750
2.68	16	760
2.67	16	770
2.66	17	780
2.65	17	780
2.64	17	790
2.63	17	800
2.62	17	810
2.61	18	820
2.60	18	820
2.59	18	830
2.58	18	840
2.57	18	850
2.56	19	860
2.55	19	860
2.54	19	870
2.53	19	880
2.52	19	890
2.51	20	900
2.50	20	900
<b>GPA</b>	<b>ACT Score</b>	<b>SAT Score</b>
2.49	20	910
2.48	20	920
2.47	20	930
2.46	21	940
2.45	21	940
2.44	21	950
2.43	21	960
2.42	21	970
2.41	22	980
2.40	22	980
2.39	22	990
2.38	22	1000
2.37	22	1010
2.36	23	1020
2.35	23	1020
2.34	23	1030
2.33	23	1040
2.32	23	1050
2.31	24	1060
2.30	24	1060
2.29	24	1070

2.28	24	1080
2.27	24	1090
2.26	25	1100
2.25	25	1100
2.24	25	1110
2.23	25	1120
2.22	25	1130
2.21	26	1140
2.20	26	1140
2.19	26	1150
2.18	26	1160
2.17	26	1170
2.16	27	1180
2.15	27	1180
2.14	27	1190
2.13	27	1200
2.12	27	1210
2.11	28	1220
2.10	28	1220
2.09	28	1230
2.08	28	1240
2.07	28	1250
2.06	29	1260
2.05	29	1260
2.04	29	1270
2.03	29	1280
2.02	29	1290
2.01	30	1300
2.00	30	1300
Below 2.00 does not qualify for regular admission		

Graduates of secondary schools in **foreign countries** must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

*\* The CSU uses only the ACT score or the SAT mathematics and critical reading scores in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.*

## Appendix B - Determination of Residency for Nonresident Tuition Purposes

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University requirements for establishing residency for tuition purposes are independent from those of other types of residency, such as for tax purposes, or other state or institutional residency. These regulations were promulgated not to determine whether a student is a resident or nonresident of California, but rather to determine whether a student should pay University fees on an in-state or out-of-state basis. A resident for tuition purposes is someone who meets the requirements set forth in the Uniform Student Residency Requirements. These laws governing residency for tuition purposes at the California State University are California Education Code sections 68000-68090, 68120-68134, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900-41916. This material can be viewed on the Internet by accessing the California State University's website at [www.calstate.edu/GC/resources.shtml](http://www.calstate.edu/GC/resources.shtml).

Each campus's Admissions Office is responsible for determining the residency status of all new and returning students based on the Application for Admission, Residency Questionnaire, Reclassification Request Form, and, as necessary, other evidence furnished by the student. A student who fails to submit adequate information to establish eligibility for resident classification will be classified as a nonresident.

Generally, establishing California residency for tuition purposes requires a combination of physical presence and intent to remain indefinitely. An adult who, at least one full year prior to the residency determination date for the term in which enrollment is contemplated, can demonstrate both physical presence in the state combined with evidence of intent to remain in California indefinitely may establish California residency for tuition purposes. A minor normally derives residency from the parent(s) they reside with or most recently resided with.

Evidence demonstrating intent may vary from case to case but will include, and is not limited to, the absence of residential ties to any other state, California voter registration and voting in California elections, maintaining California vehicle registration and driver's license, maintaining active California bank accounts, filing California income tax returns and listing a California address on federal tax returns, owning residential property or occupying or renting an apartment where permanent belongings are kept, maintaining active memberships in California professional or social organizations, and maintaining a permanent military address and home of record in California.

Nonresident students seeking reclassification are required to complete a supplemental questionnaire that includes questions concerning their financial dependence on parents or others who do not meet University requirements for classification as residents for tuition purposes. Financial independence is required, along with physical presence and intent, to be eligible for reclassification.

Non-citizens establish residency in the same manner as citizens, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States.

Exceptions to the general residency requirements are contained in California Education Code sections 68070-68084 and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41906-41906.5, and include, but are not limited to, members of the military and their dependents, certain credentialed employees of school districts and most students who have attended three years of high school in California and graduated or attained the equivalent. Whether an exception applies to a particular student cannot be determined before the submission of an application for admission and, as necessary, additional supporting documentation. Because neither campus nor Chancellor's Office staff may give advice on the application of these laws, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

Residency determination dates are set each term. They are:

### Quarter Term Campuses

Fall Quarter	September 20
Winter Quarter	January 5
Spring Quarter	April 1
Summer Quarter	July 1

### Semester Term Campuses

Fall Semester	September 20
Spring Semester	January 25



Summer

June 1

CalState TEACH operates on a trimester system. The residency determination dates for CalState TEACH are as follows:

Fall	September 20
Spring	January 5
Summer	June 1

Students classified as non-residents may appeal a final campus decision within 120 days of notification by the campus. A campus residency classification appeal must be in writing and submitted to:

The California State University  
Office of General Counsel  
401 Golden Shore, 4th Floor  
Long Beach, CA 90802-4210

The Office of General Counsel can either decide the appeal or send the matter back to the campus for further review.

Students incorrectly classified as residents or incorrectly granted an exception from nonresident tuition are subject to reclassification as nonresidents and payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student is subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations.

Resident students who become nonresidents or who no longer meet the criteria for an exception must immediately notify the Admissions Office. Changes may have been made in the rate of nonresident tuition and in the statutes and regulations governing residency for tuition purposes in California between the time this information is published and the relevant residency determination date. Students are urged to review the statutes and regulations stated above.

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## Appendix C - Average Support Cost Per Full- Time Equivalent Student and Sources of Funds

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The total support cost per full-time equivalent student (FTES) includes the expenditures for current operations, including payments made to students in the form of financial aid, and all fully reimbursed programs contained in state appropriations. The average support cost is determined by dividing the total cost by the number of FTES. The total CSU 2011-12 budget amounts were \$2,141,273,000 from state General Fund (GF) appropriations (not including capital outlay funding) and before minus \$38.5 million CalPERS retirement adjustment, \$1,530,946,000 from tuition fee revenue net of financial aid (forgone revenue), and \$340,440,000 from other fee revenues for a total of \$4,012,659,000. The number of 2011-12 budgeted FTES is 331,716 resident and 13,572 non-resident students. The GF appropriation is applicable to resident students only whereas fee revenues are collected from resident and nonresident students. FTES is determined by dividing the total academic student load by 15 units per term (the figure used here to define a full-time student's academic load).

The 2011-12 average support cost per FTES based on GF appropriation and net tuition fee revenue only is \$10,889 and when including all sources as indicated below is \$11,875. Of this amount, the average net tuition fee revenue and other income per FTES is \$5,420, which includes all fee revenue in the CSU Operating Fund (e.g. tuition fees, application fees, and other campus mandatory fees).

2011/12	Amount	Average Cost per FTES	Percentage
Total Support Cost	\$4,012,659,000	\$11,875	100%
State Appropriation <sup>1</sup>	2,141,273,000	6,455	55%
Net Basic Tuition Fee Revenue <sup>2</sup>	1,530,946,000	4,434	37%
Other Income & Reimbursements <sup>2</sup>	340,440,000	986	8%

<sup>1</sup>Represents state GF appropriation in the Budget Act of 2011-12; GF is divisible by resident students only (331,317 FTES).

<sup>2</sup>Represents CSU Operating Fund, Tuition Fee and other fees revenue amounts (net of foregone revenue) submitted in campus 2011-12 final budgets. Revenues are divisible by resident and nonresident students (345,288 FTES).

The average CSU 2011-12 academic year, resident, undergraduate student basic tuition fee and other mandatory fees required to apply to, enroll in, or attend the university is \$6,519 (\$5,472 tuition fee plus \$1,047 average campus-based fees). However, the costs paid by individual students will vary depending on campus, program, and whether a student is part-time, full-time, resident, or nonresident.

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# Appendix D - Academic Honesty

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(Senate: 7/25/00, 7/27/04, 10/23/07, 6/1/10; President: 2/5/01, 11/24/04, 11/29/07, 6/21/10; Editorial Amendment: 8/01, 09/09)

Governing documents: Executive Order 1043, Student Conduct Procedures

## Preamble

The University in its quest for truth and knowledge embraces honesty and integrity. These fundamental values must not be compromised. The trust and respect among professors, students and the society need to be vigilantly protected. Cheating and plagiarism can be neither justified nor condoned as this would destroy the ideals and purposes of higher education. Students enter the University to gain the knowledge and tools necessary for participation in society. Academic integrity is one foundation for a society based on trust and honesty. Therefore, the University takes seriously its responsibility for academic honesty.

## I. Definitions

### A. Cheating

At Cal State L. A., cheating is defined as the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means. The following examples are intended to be representative, but not all-inclusive:

#### (a) Examinations/Tests Administered by Faculty or the University

- Copying from another student's paper
- Employing signals to obtain answers from or provide answers to others
- Stealing or arranging for the theft of an examination
- Knowingly reviewing an unauthorized copy of an examination
- Using lecture notes or textbooks during an examination when prohibited
- Possessing crib notes at the location and during the time of the examination
- Having someone else take an examination in your place
- Feigning illness or telling falsehoods to avoid taking an examination at the scheduled time
- Claiming falsely that you took an examination at the scheduled time

Storing and/or accessing course subject matter in a calculator, computer or recording device, without authorization from the instructor, when such instruments are otherwise permitted to be used during an examination period

- Utilizing calculators and/or other learning aids forbidden by the instructor
- Obtaining assistance in answering questions on a take-home examination, when such action is specifically prohibited
- Attempting to use or using bribery to obtain an undeserved grade
- Changing an answer on a graded test and claiming the student's response to the question was incorrectly marked wrong

**(b) Papers/Reports, Laboratory/Homework**

- Copying the work of other persons in whole or in part and claiming authorship
- Submitting a paper obtained from a any source that provides research/term papers
- Using a ghost writer to compose a paper and claiming authorship
- Claiming an assigned share of a team report, toward which insufficient or no contribution was made
- Lying about the reason for not submitting a report on time
- Pretending to have submitted a paper to an instructor
- Stealing another student's report and submitting it as one's own work
- Submitting the same term paper to two or more different instructors for credit in their courses without their prior permission
- Inventing, falsifying, or altering data for a research survey or laboratory experiment
- Misrepresenting the authorship of an experiment or exercise
- Depending upon others to complete laboratory assignments or homework when instructions call for independent work
- Sabotaging someone else's laboratory work or other exercise
- Fabricating bibliographic references

Cheating on any academic assignment, including course work, comprehensive exams, or theses, is subject to discipline for academic dishonesty.

## **B. Plagiarism**

At Cal State L. A., plagiarism is defined as the act of using ideas, words, or work of another person or persons as if they were one's own, without giving proper credit to the original sources.

The following examples of plagiarism are intended to be representative, but not all-inclusive:

- Failing to give credit via proper citations for others' ideas and concepts, data and information, statements and phrases, and/or interpretations and conclusions
- Failing to use quotation marks when quoting directly from another, whether it be a paragraph, a sentence, or a part thereof
- Paraphrasing the expressions of thought by others without appropriate quotation marks or attribution

- Assembling parts from various works and submitting the synthesis or single paper as one's own creation
- Representing another's artistic/scholarly works, such as musical compositions, computer programs, photographs, paintings, drawings, sculptures, or similar works as one's own

Plagiarizing on any academic assignment, including course work, comprehensive exam, or thesis, in whole or in part, is subject to discipline for academic dishonesty.

### **C. Misrepresentation**

Knowingly furnishing false academic information to a University official, faculty member, or campus office is subject to discipline for academic dishonesty.

### **D. Collusion**

Any student who intentionally helps another student perform any of the above acts of cheating, plagiarism or misrepresentation is subject to discipline for academic dishonesty.

## **II. Consequences and Sanctions**

Violations of academic honesty have a dual aspect, constituting both a breach of ethics and a form of academic non-performance. Hence the consequences of violating this policy may fall into two categories. Addressing the violation as an academic matter does not preclude the imposition of further administrative sanctions.

### ***Academic Consequences:***

Faculty have the right to establish the standards by which the academic performance of students will be evaluated, including the consequences of students not meeting some portion or all of the academic requirements of a course through acts of cheating, plagiarism, misrepresentation or collusion. These consequences may include but are not limited to assigning a lowered grade, zero or "F" on an individual assignment, or lowering the student's grade or assigning an "F" in the course. Faculty may alternatively permit the student to repeat an assignment/test or complete and submit additional assignments. Furthermore, before these consequences can be effected, the faculty member must have verified instances of academic dishonesty by personal observation and/or documentation.

### ***Administrative Sanctions:***

In addition to academic consequences, the University can impose administrative sanctions. As stipulated in Executive Order 970, Student Conduct Procedures, among other places, cheating, plagiarism, misrepresentation or collusion, in connection with an academic program or campus may warrant, but are not necessarily limited to,

- Expulsion
- Suspension
- Probation

- Withdrawal of a degree
- Restitution

Although sanctions can be imposed for a single offense, repeat offenders will receive particular consideration for administrative sanctions. Multiple offenses committed in more than one course, even when discovered simultaneously, shall be considered repeat offenses.

### **III. Reporting Procedures**

For the purposes of reporting findings of academic dishonesty, the 'reporting party' may refer to a probationary, tenured or temporary faculty member, a librarian, a person in an academic administrative position, a counselor, coach, administrator of a testing center or another person in a position of authority over a student's academic work. Throughout this policy, the term 'faculty member' shall be used to stand in for any reporting party. Teaching assistants, graduate assistants and staff should report allegations of academic dishonesty to their authorized university supervisor. Allegations shall be made against individual students rather than groups of students.

When a faculty member suspects that a student has committed an academically dishonest act, it is the faculty member's responsibility to take the following steps:

1. The faculty member must first carefully consider the evidence of the apparent dishonesty. A perception that is not supported by reasonable evidence, will not suffice. Examples (not necessarily comprehensive) of evidence sufficient to pursue action are:
  - Documentation regarding the source of text which the student has used without proper attribution or has attempted to represent as his/her own work
  - A demonstrably marked difference in the writing style of the student, as compared to his/her work on previous assignments
  - Testimony from others regarding a student's use of dishonest means to fulfill the assignment at hand
  - Firsthand observation of the student engaging in a dishonest act, in a situation in which the student cannot effectively deny that the act took place
  - Admission by the student that he or she undertook a dishonest act in fulfillment of the assignment at hand
  - A suspicious degree of similarity in work done by different students

Faculty members are encouraged to discuss any perception of dishonesty and the evidentiary basis for an action with their department/division chair or school director and/or associate dean prior to discussing perceptions of wrongdoing with the affected student.

2. When satisfied that a reasonable evidentiary standard has been met and as soon as possible after discovering the alleged violation, the faculty member should arrange an office conference in order to inform the student of the allegations and the intended academic consequences of the violations.

At the conference, the student should be informed of the supporting evidence, the intended consequences, and the Academic Honesty Policy.

In the event that the student disputes the findings of academic dishonesty, he or she shall be given the opportunity to respond (orally or writing). The faculty member must consider any information or evidence that the student presents during or after the conference, and determine whether or not such information or evidence mitigates or refutes the charge of academic dishonesty. In every case the student shall have ten (10) days beyond the date of the conference to respond to the allegations, before a report is made (as outlined in #3, below).

At the conference, the student should also be informed of the University's Grade Appeals/Academic Grievance Policy. Under that policy, the student may appeal the determination that he or she has committed academic dishonesty, the academic consequences stemming from such a determination, or the administrative sanctions.

3. If after consideration of all evidence (including any provided by the student), it is determined that a preponderance of the evidence favors a finding of academic dishonesty, the faculty member shall proceed as directed below.

The faculty member shall use the Academic Dishonesty Report Form to report the finding of academic dishonesty. This report shall be the statement of charges against the student and the record of the academic consequence(s) imposed; all supporting documentation shall be attached to the form and submitted to the University Judicial Affairs Office and made available to the student. If a student appeals a grade or other adverse consequence of an allegation of academic dishonesty, this report and the related documentation shall be subject to review.

In cases where the student fails to attend the scheduled conference to discuss the alleged dishonesty, or when the alleged dishonesty is detected at the close of the quarter and the faculty member has not been successful in a good-faith effort to contact the student, an Academic Dishonesty Report Form describing the alleged incident and documents supporting the allegation shall be sent to the University Judicial Affairs Officer and made available to the student.

In cases where the faculty member cannot, for serious and compelling reasons, participate in any one or more parts of the above process, the department/division chair or school director shall represent the reporting party.

## **IV. Confidentiality**

All parties to the initial conference between a faculty member and a student accused of academic dishonesty and all subsequent deliberations regarding incidents of academic dishonesty have the right to expect that such deliberations will occur in a setting of strictest confidentiality.

Concomitant with this right of confidentiality is the obligation of all parties to refrain from any discussions of these issues regarding cheating, plagiarism, misrepresentation or collusion outside of the informal and formal conferences and meetings as outlined elsewhere in this document and in related policies (including the Grade Appeal/Academic Grievance Policy). Confidentiality shall be maintained unless a legitimate need to know is established by the department/division chair or school director in order for the faculty to complete their responsibilities as University employees or in any legal action, and in a manner consistent

with the Family Educational Rights and Privacy Act (FERPA) (Student Records Administration - 011, Sec 5.8) and any other applicable law. The department/division chair or school director may consult with, or request documentation of a student's history of academic dishonesty from the Judicial Affairs Officer only on a strict need to know basis. Violators of this principle of confidentiality are themselves subject to university disciplinary action.

In the matter of student records and according to Federal and State privacy laws, students have the right to protections against improper disclosure of personal information. However, it is permissible for transcripts of student academic records to contain information regarding a student's academic status including such disciplinary actions as suspension or expulsion. Being a temporary action, suspension may be expunged from the record upon the student's reinstatement.

### ***Threats/Retaliation:***

Any threats or acts of retaliation against any member of the faculty or staff as a consequence of implementing this policy on Academic Honesty will be cause for disciplinary action under section 41301, Title 5, California Code of Regulations, in addition to civil and criminal liabilities.



## Appendix E - Student Conduct / Student Conduct Procedures



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Inappropriate conduct by students or by applicants for admission is subject to discipline as provided in Sections 41301 and 41302 of Title 5, *California Code of Regulations*. These sections are as follows

### 41301. Standards for Student Conduct.

#### (a) Campus Community Values

The University is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community should choose behaviors that contribute toward this end. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and to contribute positively to student and university life.

#### (b) Grounds for Student Discipline

Student behavior that is not consistent with the Student Conduct Code is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences.

The following are grounds upon which student discipline can be based:

1. Dishonesty, including:
  - A. Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage.
  - B. Furnishing false information to a University official, faculty member, or campus office.
  - C. Forgery, alteration, or misuse of a University document, key, or identification instrument.
  - D. Misrepresenting one's self to be an authorized agent of the University or one of its auxiliaries.
2. Unauthorized entry into, presence in, use of, or misuse of University property.
3. Willful, material and substantial disruption or obstruction of a University-related activity, or any on-campus activity.
4. Participating in an activity that substantially and materially disrupts the normal operations of the University, or infringes on the rights of members of the University community.
5. Willful, material and substantial obstruction of the free flow of pedestrian or other traffic, on or leading to campus property or an off-campus University related activity.
6. Disorderly, lewd, indecent, or obscene behavior at a University related activity, or directed toward a member of the University community.
7. Conduct that threatens or endangers the health or safety of any person within or related to the University community, including physical abuse, threats, intimidation, harassment, or sexual misconduct.
8. Hazing, or conspiracy to haze. "Hazing" is defined as any method of initiation or pre-initiation into a student organization or student body, whether or not the organization or body is officially recognized by an educational institution, which is likely to cause serious bodily injury to any former, current, or prospective student of any school, community college, college, university or other educational institution in this state (Penal Code 245.6), and in addition, any act likely to cause physical harm, personal degradation or disgrace resulting in physical or mental harm, to any former, current, or prospective student of any school, community college, college, university or other educational institution. The term "hazing" does not include customary athletic events or school sanctioned events.

Neither the express or implied consent of a victim of hazing, nor the lack of active participation in a particular hazing event is a defense. Apathy or acquiescence in the presence of hazing is not a neutral act, and is also a violation of this section.

9. Use, possession, manufacture, or distribution of illegal drugs or drug-related paraphernalia, (except as expressly permitted by law and University regulations) or the misuse of legal pharmaceutical drugs.
10. Use, possession, manufacture, or distribution of alcoholic beverages (except as expressly permitted by law and University regulations), or public intoxication while on campus or at a University related activity.
11. Theft of property or services from the University community, or misappropriation of University resources.
12. Unauthorized destruction, or damage to University property or other property in the University community.
13. Possession or misuse of firearms or guns, replicas, ammunition, explosives, fireworks, knives, other weapons, or dangerous chemicals (without the prior authorization of the campus president) on campus or at a University related activity.
14. Unauthorized recording, dissemination, or publication of academic presentations (including handwritten notes) for a commercial purpose.
15. Misuse of computer facilities or resources, including:
  - A. Unauthorized entry into a file, for any purpose.
  - B. Unauthorized transfer of a file.
  - C. Use of another's identification or password.
  - D. Use of computing facilities, campus network, or other resources to interfere with the work of another member of the University

community.

- E. Use of computing facilities and resources to send obscene or intimidating and abusive messages.
  - F. Use of computing facilities and resources to interfere with normal University operations.
  - G. Use of computing facilities and resources in violation of copyright laws
  - H. Violation of a campus computer use policy.
16. Violation of any published University policy, rule, regulation or presidential order
  17. Failure to comply with directions or, or interference with, any University official or any public safety officer while acting in the performance of his/her duties.
  18. Any act chargeable as a violation of a federal, state, or local law that poses a substantial threat to the safety or well being of members of the University community, to property within the University community or poses a significant threat of disruption or interference with University operations.
  19. Violation of the Student Conduct Procedures, including:
    - A. Falsification, distortion, or misrepresentation of information related to a student discipline matter.
    - B. Disruption or interference with the orderly progress of a student discipline proceeding.
    - C. Initiation of a student discipline proceeding in bad faith.
    - D. Attempting to discourage another from participating in the student discipline matter.
    - E. Attempting to influence the impartiality of any participant in a student discipline matter.
    - F. Verbal or physical harassment or intimidation of any participant in a student discipline matter.
    - G. Failure to comply with the sanction(s) imposed under a student discipline proceeding.
  20. Encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

### **(c) Procedures for Enforcing This Code**

The Chancellor shall adopt procedures to ensure students are afforded appropriate notice and an opportunity to be heard before the University imposes any sanction for a violation of the Student Conduct Code.

### **(d) Application of This Code**

Sanctions for the conduct listed above can be imposed on applicants, enrolled students, students between academic terms, graduates awaiting degrees, and students who withdraw from school while a disciplinary matter is pending. Conduct that threatens the safety or security of the campus community, or substantially disrupts the functions or operation of the University is within the jurisdiction of this Article regardless of whether it occurs on or off campus. Nothing in this Code may conflict with Education Code Section 66301 that prohibits disciplinary action against students based on behavior protected by the First Amendment.

## **41302. Disposition of Fees: Campus Emergency; Interim Suspension.**

The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended, no additional tuition or fees shall be required of the student on account of the suspension

During periods of campus emergency, as determined by the President of the individual campus, the President may, after consultation with the Chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The President may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the period of interim suspension, the student shall not, without prior written permission of the President or designated representative, enter any campus of the California State University other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

*Note: Authority cited: Sections 66300, 66600, 89030, 89031 and 89035, Education Code. Reference: Sections 66017, 66300, 66600, 69810-69813, 89030, 89031, 89700, Education Code; and Section 626.2, Penal Code.*

# **Student Conduct Procedures**

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Executive Order: 1043

Effective Date: August 3, 2009

## **ARTICLE I: AUTHORITY AND PURPOSE**

These procedures are established pursuant to Section 41301 of Title 5 of the California Code of Regulations, and govern all student disciplinary matters systemwide.

## ARTICLE II: DEFINITIONS

1. "Campus" and "university" are used interchangeably and both mean the California State University.
2. "Member of the university community" means California State University trustees, employees, students, and university guests who are on university property or at a university related activity.
3. "Sexual misconduct" means any non-consensual sexual intercourse, sexual assault, sexual exploitation, indecent exposure or attempt to commit any of these acts.
4. "Student Conduct Code" means Section 41301 et seq. of Title 5 of the California Code of Regulations.
5. "University official" means any person employed by a campus, performing administrative or professional duties.
6. "University property" means:
  - a. real or personal property in the possession, or under the control, of the Board of Trustees of the California State University, and
  - b. all campus facilities whether utilized by the university or a campus auxiliary organization.
7. "University related activity" means any event sponsored by, coordinated with, or directly affecting the university's regular functions.
8. "Working day" means any day of the academic year, summer session or special session, other than a Saturday, Sunday, or academic holiday as that term is defined in Section 42800 of Title 5 of the California Code of Regulations.

## ARTICLE III: GENERAL PROVISIONS

### 1. Student Conduct Administrator

Each campus president assigns a campus official or officials to be the Student Conduct Administrator, whose responsibilities are to determine whether to initiate disciplinary action under the Student Conduct Code and to perform duties as prescribed in these procedures. Student Conduct Administrators serve at the pleasure of the president.

### 2. Hearing Officers

Each campus president appoints one or more persons to serve as Hearing Officers. They may be campus officials, attorneys licensed to practice in California, or administrative law judges from the Office of Administrative Hearings. Subordinates of the Student Conduct Administrator, persons with a conflict of interest in the matter, and percipient witnesses to the events giving rise to the case are ineligible to serve as Hearing Officers. The Hearing Officer conducts the hearing, determines whether a student has violated the Student Conduct Code and if so, recommends sanction(s).

### 3. Attorneys

Student Conduct proceedings are not meant to be formal court-like trials. Although university related sanctions may be imposed, the process is intended to provide an opportunity for learning. Each campus president determines as a matter of standing campus directive whether attorneys are permitted to be present in all or some campus proceedings. The president's determination regarding the presence of attorneys applies to both the student charged and the campus. Both the student and the campus can consult attorneys outside of the actual proceedings irrespective of the president's determination. Any person licensed to practice law is considered an attorney for this purpose.

### 4. Interpretation of the Code or Process

All issues regarding the hearing described in Article IV, Section 4, except those specifically noted, are within the purview of the Hearing Officer for final determination. Questions of interpretation or application of the Student Conduct Code or this executive order are outside the purview of the Hearing Officer and are determined by the campus Vice President for Student Affairs or his or her designee.

### 5. Delegation of Duties

The duties of the president in these proceedings may be delegated to another campus official.

### 6. Parallel Judicial Proceedings

Student Conduct Code proceedings are independent from other court proceedings. Student discipline may be instituted against a student also charged in civil or criminal courts based on the same facts that constitute the alleged violation of the Student Conduct Code. The university may proceed before, simultaneously with, or after any other judicial proceedings.

### 7. Time Lines

All times set in this executive order may be extended by the university when necessary. Extensions shall be determined by the Vice President for Student Affairs.

## ARTICLE IV: PROCEEDINGS

### 1. Investigation

- a. Whenever it appears that the Student Conduct Code has been violated, a complaint should be directed to the Student Conduct Administrator as soon as possible after the event takes place. The complaint can be oral or in writing.
- b. The Student Conduct Administrator investigates each complaint submitted and determines whether it is appropriate to charge a student with violation of the Student Conduct Code.

### 2. Conference

- a. The Student Conduct Administrator holds a conference with the student charged, and obtains his or her response to the alleged misconduct, except in instances where the student charged declines to cooperate, in which case the conference requirement is waived. The student may bring a person with him/ her to advise him/her during the conference with the Student Conduct Administrator. The student's advisor is there to provide support and not to speak on behalf of the student. If agreement can be reached as to an appropriate disposition of the matter, it will be closed and the terms of the disposition shall be put in writing and signed by the student charged and the Student Conduct Administrator.
- b. If the student admits violating the Student Conduct Code but no agreement can be reached on an appropriate sanction, the student charged may request a hearing on the sanction only.

### 3. Notice of Hearing

- a. If the alleged violation of the Student Conduct Code is not resolved at the conference with the Student Conduct Administrator and the Student Conduct Administrator has determined that formal disciplinary action is appropriate, or if the student charged requests a hearing on the sanction only, the Student Conduct Administrator issues a Notice of Hearing.
  1. The Notice is sent electronically to the charged student at the university assigned e-mail address linked to the account provided by the California State University (i.e., "xxx.edu.").
  2. Until June 30, 2010 the Notice is also served on the student charged in person, or by traceable mail (e.g., certified mail) to the last address that student has on record with the university.
- b. The Notice of Hearing must include:
  1. The section(s) of the Student Conduct Code that the student is charged with violating.
  2. A factual description of the student's conduct that forms the basis for the charge(s).
  3. The proposed sanction.
  4. Notification that neither the Hearing Officer nor the president is bound by the proposed sanction, and either, or both, may set a more severe sanction.
  5. The date, time and place of the hearing.
  6. The location on the campus where the student can view his or her discipline file, including the location (or copies) of the campus policies that were violated.
  7. Notification that the student may be accompanied at the hearing by an advisor and the campus policy regarding use of attorneys, if they are prohibited. If attorneys are allowed, notification shall be given that, if the student intends to bring his/her attorney, the student must inform the Student Conduct Administrator of the attorney's name, address and phone number at least five working days before the hearing.
  8. Notification that the student can waive his/her right to a hearing by accepting the proposed sanction.
  9. Notification of any immediate suspension and/or withdrawal of consent to remain on campus. (See Article VI below.)
  10. A copy of this executive order or notice of where the student may obtain a copy. If consent to remain on campus has already been withdrawn by the time the Notice of Hearing is sent, a copy of this executive order must be enclosed along with any other campus policy referenced in the Notice of Hearing.
- c. The Notice of Hearing is sent to the student at least 10 working days before the hearing.

d. The charges stated in the Notice of Hearing may be amended at any time. If an amendment would require the student to prepare a different response, the student may request a postponement of the hearing for a reasonable period of time. If the charges are amended after a hearing is underway, the Hearing Officer may postpone the hearing for a reasonable period of time.

#### **4. Hearing**

a. The hearing is closed to all persons except the Hearing Officer, the student charged, the Student Conduct Administrator, one advisor for the student charged, one advisor for the Student Conduct Administrator, appropriate witnesses during the time that they are testifying (including a support person for alleged victims of sexual or physical assault, see section h below), and one person to assist the Hearing Officer in recording the hearing. A police or security officer may also be present if deemed appropriate by the Vice President for Student Affairs. The university will cooperate in providing employee witnesses wherever possible, provided that they are identified at least two working days before the hearing.

b. The student may be accompanied by one advisor of his or her choice to provide support but not to speak on behalf of the student. If the campus policy excludes attorneys from the proceeding, the advisor may not be an attorney. Hearing dates will not be changed because of the schedule of the advisor for the student charged.

c. The Student Conduct Administrator may be accompanied by one advisor. If the campus policy excludes attorneys from the hearing, neither the Student Conduct Administrator nor the Administrator's advisor may be an attorney.

d. Hearings are intended to be educational rather than adversarial. The Hearing Officer runs the hearing. The student charged and the Student Conduct Administrator each put on the evidence in their case in whatever manner the Hearing Officer deems appropriate and may each ask questions of the witnesses. The Hearing Officer may also ask questions of any witness, the student charged or the Student Conduct Administrator.

e. Formal rules of evidence applied in courtroom proceedings do not apply in the hearing (e.g., California Evidence Code). All information that responsible persons are accustomed to rely upon in the conduct of serious affairs including hearsay is considered. Unduly repetitive information may be excluded. The Hearing Officer bases his/her decision only on the information received at the hearing.

f. The Hearing Officer makes an official audio recording of the hearing. S/he can have someone present to operate any equipment necessary to make the recording. The recording is the property of the university. No other recording of the hearing is permitted.

g. If the student charged fails to appear at the hearing, the hearing proceeds without him/her. The decision, like every other hearing decision, must be based on the information presented. The student charged may not be found to have violated the Student Conduct Code solely because he/she failed to appear at the hearing.

h. In cases involving a charge of sexual or physical misconduct, the alleged victim may be accompanied at the hearing by another person. This person is for support only, and is not permitted to participate in the hearing. Questions of the alleged victim are limited to the incident upon which the charge is based and the events surrounding that charge, and may not delve into past sexual behaviors of the alleged victim.

i. The Hearing Officer is responsible for maintaining order during the hearing and makes whatever rulings are necessary to ensure a fair hearing. Abusive behavior is not tolerated. The Hearing Officer may eject or exclude anyone who refuses to be orderly, including the student charged.

j. The Hearing Officer's decisions regarding procedural issues are final.

k. Where there is more than one student charged arising out of a single occurrence, or related multiple occurrences, the Student Conduct Administrator and the students charged may agree to a single hearing for all of the students. A charged student may request consolidation of his/her case with others. The Student Conduct Administrator makes consolidation decisions, which are subject to review by the Hearing Officer and thereafter are final. The separation of one or more cases from a case previously set for a consolidated hearing shall not be considered to affect the other cases.

l. At any time during the hearing, the student charged may waive the right to a hearing and accept the proposed sanction. Such a waiver must be in writing.

#### **5. Standard of Proof and Recommendation of the Hearing Officer**

a. The Hearing Officer makes decisions only on information presented at the hearing. After the hearing the Hearing Officer makes

findings of fact and conclusions about whether the information presented constitutes a violation of the Student Conduct Code. The standard for the Hearing Officer's decision is whether the university's charge is sustained by a preponderance of the evidence. It is the university's burden to show that it is "more likely than not" that the student violated the Student Conduct Code.

b. The Hearing Officer submits a written report of his/her findings and conclusions to the president, along with any appropriate recommended sanction. This report is submitted within ten working days after the hearing.

## **6. The Final Decision**

a. The president reviews the Hearing Officer's report and issues a final decision. The president may impose the sanction recommended, adopt a different sanction, reject sanctions altogether, or refer the matter back for further findings on specified issues. If the president adopts a more severe sanction than what is recommended by the Hearing Officer, the president must set forth the reasons in the final decision letter. The president's final decision letter is issued within five working days after receipt of the Hearing Officer's report.

b. The president sends notice of his/her decision electronically to the charged student at the university assigned e-mail address linked to the account provided by the California State University (i.e., "xxx.edu.").

c. Until June 30, 2010 the notice of decision is also sent by personal delivery or through traceable mail (e.g., certified mail) to the last address that student had on record with the university. After the decision has been sent the Hearing Officer's report is available for review by the student charged within a reasonable time upon request.

## **7. Notice to Victims of Crimes of Violence and Sex Offenses**

In cases involving a "crime of violence" the university may notify the alleged victim(s) of the final results of a hearing as it relates to those charges regardless of whether or not the charges are sustained. (34 C.F.R. § 99.31 et seq.)<sup>1</sup> If the alleged victim of a "crime of violence" makes a written request for the results of the proceeding the university must provide the outcome of the proceeding related to that charge. Similarly, where the charge relates to a sexual assault the university must notify the alleged victim of the outcome of the proceeding (20 U.S.C. § 1092). This information is only given to the victim(s) and includes the name of the accused student, any violation alleged committed, and any sanction(s) imposed on that student (20 U.S.C. § 1232g).

1A "crime of violence" includes: arson, assault offenses, burglary, criminal homicide (manslaughter by negligence), criminal homicide (murder and non-negligent manslaughter), destruction/damage/vandalism of property, kidnapping/abduction, robbery, and forcible and non-forcible sex offenses. 99 C.F.R. § 99.39.

# **ARTICLE V: SANCTIONS**

## **1. The following sanctions may be imposed for violation of the Student Conduct Code:**

a. Restitution - Compensation for loss, damages or injury. This may include appropriate service and/or monetary material replacement.

b. Loss of Financial Aid - Consistent with California Education Code Sections 69810 et seq., scholarships, loans, grants, fellowships and any other types of state financial aid given or guaranteed for the purposes of academic assistance can be conditioned, limited, cancelled or denied.

c. Educational and Remedial Sanctions - Assignments, such as work, research, essays, service to the university or the community, training, counseling, or other assignments intended to discourage a repeat of the misconduct or as deemed appropriate based upon the nature of the violation.

d. Denial of Access to Campus - A designated period of time during which the student is not permitted on university property or specified areas of campus. (See California Penal Code § 626.2.)

e. Disciplinary Probation - A designated period of time during which privileges of continuing in student status are conditioned upon future behavior. Conditions may include, for example, the potential loss of specified privileges to which a current student would otherwise be entitled, or the probability of more severe disciplinary sanctions if the student is found to violate any university rule during the probationary period.

f. Suspension - Separation of the student from CSU student status for a certain period of time, after which the student is eligible to reapply to the university. Conditions for readmission may be specified.

g. Expulsion - Permanent separation of the student from CSU student status from the California State University system.

h. Admission or Readmission - Admission or readmission to the California State University may be qualified, revoked or denied to any person found to have violated the Student Conduct Code.

## **2. Multiple Sanctions**

More than one sanction may be imposed for a single violation.

## **3. Good Standing**

A student is not considered to be in good standing for purposes of admission to the California State University while under a sanction of suspension, or expulsion, or while his or her admission or re-admission has been qualified (Section 40601 (g) of Title 5 of the California Code of Regulations).

## **4. Administrative Hold and Withholding a Degree**

The university may place an administrative hold on registration transactions and release of records and transcripts of a student who has been sent a Notice of Hearing and may withhold awarding a degree otherwise earned until the completion of the process set forth in the Student Conduct Code, including the completion of all sanctions imposed.

## **5. Record of Discipline**

Disciplinary probation is entered on a student's transcript, with beginning and end date, for the period of time that the probation is in effect. Suspension is entered on the student's transcript, with beginning and end date, for the period of time that the suspension is in effect, but remains on the transcript permanently if the suspension is for longer than one academic year. Expulsion is entered on the student's transcript permanently along with the date it takes effect.

# **ARTICLE VI: INTERIM SUSPENSION**

## **1. Grounds**

A president may impose an interim suspension where there is reasonable cause to believe that separation of a student is necessary to protect the personal safety of persons within the university community, property of the university or to ensure the maintenance of order (Section 41302 of Title 5 of the California Code of Regulations).

## **2. Notice and Opportunity for Hearing**

A student placed on interim suspension is given prompt notice of the charges pending against him or her as enumerated in Section 41301 of Title 5 of the California Code of Regulations and a factual description of the conduct alleged to form their basis. The opportunity for a hearing within ten working days of the imposition of the suspension is also required. (Section 41302 of Title 5 of the California Code of Regulations). Where a timely request is made, a hearing will be held to determine whether continued suspension is required to protect personal safety or property or to ensure the maintenance of order. This hearing may also serve as the disciplinary hearing in accordance with the procedures outlined in Article IV, provided that proper notice has been given. The hearing is conducted pursuant to the provisions of Article IV, Section 4 of these procedures. If the university proves that there is reasonable cause for the interim suspension to continue it shall remain in effect until the university closes the disciplinary matter, whether by settlement, final decision or dropped charges, but in no case longer than the president has determined is required to protect the personal safety of persons within the university community, property of the university or to ensure the maintenance of order.

## **3. Denial of Presence on Campus**

During the period of an interim suspension, the student charged may not, without prior written permission from his/her campus president, enter any campus of the California State University other than to attend the hearing regarding the merits of his/her suspension. Violation of any condition of interim suspension shall be grounds for expulsion (Section 41302 of Title 5 of the California Code of Regulations).

# **ARTICLE VII: CONDUCT BY APPLICANTS FOR ADMISSION**

Admission or readmission may be qualified, revoked or denied to any person who commits acts that would be the basis for disciplinary proceedings pursuant to these procedures. Qualified admission or denial of admission in such case shall be determined by a hearing held pursuant to Article IV of these procedures.

## Appendix F - Privacy Rights of Students in Education Records

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The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code, Section 67100 et seq., set out requirements designed to protect students privacy in their records maintained by the campus, the statute and regulations govern access to records maintained by the campus, and the release of such records. The law provides that the campus must give students access to official records directly related to the student, and must also provide opportunity for a hearing to challenge the records if the student claims they are inaccurate, misleading, or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade determined by the instructor. The law generally requires the institution to receive a student's written consent before releasing personally identifiable data about the student.

Cal State L.A. has adopted a set of policies and procedures governing implementation of the statute and the regulations. Copies of these policies and procedures may be obtained at the Office of the Vice President for Student Affairs, Student Affairs 108. Among the types of information included in the campus statement of policies and procedures are: (1) the types of student records maintained and the information they contain; (2) the official responsible for maintaining each type of record; (3) the location of access lists indicating persons requesting or receiving information from the record; (4) policies for reviewing and expunging records; (5) student access rights to their records; (6) the procedures for challenging the content of student records; (7) the cost to be charged for reproducing copies of records; and (8) the right of the student to file a complaint with the Department of Education. The Department of Education has established an office and review board to investigate complaints and adjudicate violations. The designated office is: The Family Policy Compliance Office, U.S. Department of Education, Washington, D.C. 20202-4605.

Cal State L.A. is authorized under the act to release "directory information" about students. "Directory information" includes the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution attended by the student. The above-designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying what information the student requests not be released. Such written objections should be directed to the University Registrar.

Cal State L.A. is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons have responsibilities in the campus' academic, administrative, or service functions and have reason for using student records associated with their campus or other related academic responsibilities. Student records may also be disclosed to other persons or organizations under certain conditions (e.g., as part of accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; or to other institutions to which the student is transferring).

### Addendum to the Privacy Rights of Students in Education Records

Cal State L.A. is authorized under the act to release "directory information" about students. "Directory information" includes the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution attended by the student. For bargaining unit student employees, directory information also includes: the name of the department employing the student, the student employee's telephone listing within the department, the student employee's e-mail address within the department, and the student employee's job classification. The above-designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying information that the student requests not be released. Such written objections should be directed to the University Registrar.

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## Appendix G - Availability of Institutional and Financial Assistance Information



The following information concerning student financial assistance may be obtained from the Center for Student Financial Aid, located in Student Affairs 124, phone (323) 343- 6260:

1. A description of the federal, state, institutional, local, and private student financial assistance programs available to students who enroll at Cal State L.A.;
2. For each aid program, a description of procedures and forms by which students apply for assistance, student eligibility requirements, criteria for selecting recipients from the group of eligible applicants, and criteria for determining the amount of a student's award;
3. A description of the rights and responsibilities of students receiving financial assistance, including federal Title IV student assistance programs, and criteria for continued student eligibility under each program;
4. The satisfactory academic progress standards that students must maintain for the purpose of receiving financial assistance and criteria by which a student who has failed to maintain satisfactory progress may reestablish eligibility for financial assistance;
5. The method by which financial assistance disbursements will be made to students and the frequency of those disbursements;
6. The terms of any loan received as part of the student's financial aid package, a sample loan repayment schedule, and the necessity for repaying loans;
7. The general conditions and terms applicable to any employment provided as part of the student's financial aid package;
8. The terms and conditions of the loans students receive under the Direct Loan and Perkins Loan Programs; and
9. The exit counseling information the school provides and collects for student borrowers.

Information concerning the cost of attending Cal State L.A. is available from the Center for Student Financial Aid, located in Student Affairs 124, phone (323) 343-6260, and includes tuition and fees; the estimated costs of books and supplies; estimates of typical student room, board, and transportation costs; and, if requested, additional costs for specific programs.

Information concerning the refund policies of Cal State L.A. for the return of unearned tuition and fees or other refundable portions of institutional charges is available from Disbursement Office, located in Administration 128, phone (323) 343-3630.

Information concerning policies regarding the return of federal Title IV student assistance funds as required by regulation is available from the Center for Student Financial Aid, located in Student Affairs 124, phone (323) 343-6260.

Information regarding special facilities and services available to students with disabilities may be obtained from the Office of Students with Disabilities, located in Student Affairs 115, phone (323) 343-3140 (TDD 3139).

Information concerning Cal State L.A. policies, procedures, and facilities for students and other to report criminal actions or other emergencies occurring on campus may be obtained from Public Safety Office, Building C, (323) 343-3700.

Information concerning Cal State L.A., annual campus security report and annual fire safety report may be obtained from Building C, phone (323) 343-3700.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from the Health Promotions and Education Center at the Student Health Center, (323) 343-3340.

Information regarding student retention and graduation rates at Cal State L.A., and, if available, the number and percentage of students completing the program in which the student is enrolled or has expressed interest may be obtained from the Institutional Research Office, ADM 702, (323) 343-2730.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that Cal State L.A. dedicates to its men's and women's teams may be obtained from the Division of Intercollegiate Athletics, Chris Hughes, P.E. 212, (323) 343-5308.

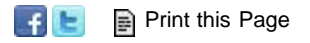
Information concerning teacher preparation programs at Cal State L.A., including the pass rate on teacher certification examinations, may be obtained from the Associate Dean of Student Services, Charter College of Education, (323) 434-4300.

Information concerning grievance procedures for students who feel aggrieved in their relationships with the university, its policies, practices and procedures, or its faculty and staff may be obtained from Office of the Vice President for Student Affairs, Judicial Affairs Officer, (323) 343-3100.

The federal Military Selective Service Act (the "Act") requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth birthday. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959, may be required to submit a statement of compliance with the Act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law. In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a

Selective Service Registrar. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA) be used to register them with the Selective Service. Information on the Selective Service System is available and the registration process may be initiated online at <http://www.sss.gov>.



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# Appendix H - Procedure for the Establishment or Abolishment of Campus-Based Mandatory Fees

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The law governing the California State University provides that fees defined as mandatory, such as a *student body association fee* and a *student body center fee*, may be established. A *student body association fee* must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89300). The campus President may adjust the *student body association fee* only after the fee adjustment has been approved by a majority of students voting in a referendum established for that purpose. The required fee shall be subject to referendum at any time upon the presentation of a petition to the campus President containing the signatures of 10 percent of the regularly enrolled students at the University. Student body association fees support a variety of cultural and recreational programs, childcare centers, and special student support programs. A *student body center fee* may be established only after a fee referendum is held which approves by a two-thirds favorable vote the establishment of the fee (Education Code, Section 89304). Once bonds are issued, authority to set and adjust *student body center fees* is governed by provisions of the State University Revenue Bond Act of 1947, including, but not limited to, Education Code sections 90012, 90027, and 90068.

The process to establish and adjust other campus-based mandatory fees requires consideration by the campus fee advisory committee and a student referendum. The campus President may use alternate consultation mechanisms if he/she determines that a referendum is not the best mechanism to achieve appropriate and meaningful consultation. Results of the referendum and the fee committee review are advisory to the campus President. The President may adjust campus-based mandatory fees, but must request the Chancellor to establish a new mandatory fee. The President shall provide to the fee advisory committee a report of all campus-based mandatory fees. The campus shall report annually to the Chancellor a complete inventory of all campus based-mandatory fees.

For more information or questions, please contact the Budget Office in the CSU Chancellor's Office at (562) 951-4560.

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## Appendix I – Student Grievance Procedures



*(Senate: 1/23/68, 11/9/71, 7/15/75, 10/5/77, 2/27/79, 3/11/80; 5/13/80, 12/2/80, 3/2/99; President 3/26/68/, 11/18/71, 12/31/75, 11/1/77, 3/8/79, 6/23/80, 12/9/80, 4/30/99; Editorial Amendment: 9/00)*

It is believed by the makers of this statement that adequate safeguards have been included to protect the rights of all concerned parties and to insure that grievances are handled fairly. However, no rule, regulation, or policy should substitute for open, honest communication; nor should any grievance procedure take the place of negotiating in good faith. The grievance procedure described herein is but one channel for solving problems. It is the least desirable method, but may become a necessary method for solving problems. It should not be used to avoid the personal communication that is necessary to the academic process. Information regarding procedures for filing a grievance may be obtained from the Office of the Vice President for Student Affairs.

### Purpose:

The purpose of the Student Grievance Policy and Procedure is to enable students to seek redress for complaints or grievances (referred to as "grievances") that allegedly resulted in injury to the student. A grievance arises from any alleged unauthorized or unjustified act or decision by a member of the faculty, staff, and/or management employee which adversely affects the status, rights, or privileges of a student.

### Policy:

The Student Grievance process is intended to resolve grievances that are not addressed by more specific policies or investigative processes. It applies to existing University policy and is not a vehicle to change existing or create new University policy.

### Definitions/Responsibilities:

- a. **Appropriate Administrator** – The Vice President of the Division (or the Division Vice President's designee) in which the named employee works. In the case of a faculty employee, the dean of the appropriate college may be the appropriate administrator. The appropriate administrator will work with the named employee and the student to attempt to resolve the grievance to the satisfaction of both.
- b. **Appropriate Supervisor** – The immediate superior to whom the named employee reports on the date of the action or event being grieved. For purposes of this Grievance Procedure, a faculty employee's appropriate supervisor is his/her department/division chair or school director. The appropriate supervisor will work with the named employee and the student to attempt to resolve the grievance to the satisfaction of both.
- c. **Business Day** – All days of the week, excluding Saturdays, Sundays, and days on which California State University, Los Angeles is closed.
- d. **Committee** – The University Student Grievance Committee. The Committee, through its panel, will conduct grievance hearings, deliberate, and issue findings of fact and recommendations for action fairly and expeditiously.
- e. **Coordinator** – The Coordinator of the Committee. The Coordinator shall be a University administrator, appointed by the President. The Coordinator shall serve at the pleasure of the President, with no set term of office. The Coordinator shall serve as Chair for and advise the Committee and any panels on rules and procedures. The Coordinator shall not vote and the Coordinator shall remain neutral on the merits of the grievance. The Coordinator will select panels from the Committee, chair, coordinate, and monitor the activities of the panels, schedule hearings, and meet with the Committee and panels as necessary. The Coordinator will ensure that grievances are processed in accord with this Grievance Procedure and assist students in submitting grievances to the Committee.
- f. **Faculty Unit Employee** – An employee who is a member of Bargaining Unit 3 at the University.
- g. **Grievance** – A complaint by a student, which is not subject to another investigation process, that a named employee has treated the student unfairly or has violated the California State University, Los Angeles policy, resulting in an injury to the student. Grievances may not be brought against the University President under this procedure.
- h. **Investigation Process** – Any grievance resolution process, formal investigation process, or discipline process administered by the University, other than the student grievance process, which more appropriately and effectively resolves the issues raised in the student's grievance.
- i. **Management Employee** – An employee with management/supervisory responsibilities working under the Management Personnel Plan (Title 5, Article 2.2).
- j. **Named Employee** – An employee of the California State University, Los Angeles (including a faculty unit employee) who is the focus of the student's grievance. The named employee will attempt, when possible, to resolve the grievance informally with the student.
- k. **Panel** – A subset of the Committee assigned to consider a grievance, consisting of one faculty member, one student, and one President's appointee. The Coordinator may serve as an advisory, non-voting member of the panel.
- l. **President** – The President of California State University, Los Angeles. The President will consider timely appeals of the President's Designee's decision, consult with other persons as necessary, and issue decisions on appeals and corrective orders.
- m. **President's Designee** – A management employee designated by the President.
- n. **Student** – A person who, at the time that the event or action which is the subject of the grievance occurred, was a continuing undergraduate or

- graduate student, or enrolled in a College of Extended Studies and International Programs or Open University course.
- o. **Vice President** – The Vice President of the division of the University in which the named employee works.

## **Informal Grievance Resolution:**

Because timely resolution of complaints or grievances is in the best interests of students, faculty, administration, and the University as a whole, all parties are expected to actively seek resolution to these complaints or grievances within the time frame and through the procedures set forth by this policy. Although they are informal, the first three steps of the grievance process must be completed within ninety days of the event/action (or the last date of a related series of events/actions) upon which the grievance is based, unless the student and the appropriate administrator enter an extension of time in writing. All parties have the responsibility to make themselves aware of these procedures and act in a manner which allows the process to work efficiently and fairly.

### **Step One –**

#### **Discussion with Named Employee**

Before commencing any formal proceedings under the Student Grievance Process, a student should normally attempt to discuss with the named employee the student's concerns or complaints about the named employee's conduct. This may not be possible in all cases, particularly if the student believes that he/she is or will be the victim of discrimination, harassment, or retaliation. Barring these concerns, however, the student should make the effort to speak to the named employee.

A student is not required to discuss his/her grievance with the named employee and may proceed directly to step two. However, the panel may consider unwarranted avoidance of the named employee in evaluating the credibility of the student's grievance and the severity of the named employee's conduct.

If the grievance is resolved at step one, no further action under this policy will be taken.

### **Step Two –**

#### **Discussion with Appropriate Supervisor**

If the grievance is not resolved at step one, the student should discuss it with the appropriate supervisor. This discussion is a prerequisite to preceding to steps three and four. The appropriate supervisor's role at this stage is that of mediator. The appropriate supervisor shall reasonably attempt to mediate a resolution to the grievance. This stage of the grievance process shall be considered informal and the involved parties are strongly encouraged to participate and cooperate with the appropriate supervisor's attempt to resolve the dispute. If the named employee is a unit three employee, the supervisor may consult an appropriate department/division/school committee that has been designated by the department/division/school to hear student grievances. This department/division/school committee shall recommend a resolution to the supervisor who will share this information with the student and the employee. If the appropriate supervisor or named employee believes that the student did not reasonably attempt to resolve the grievance, the panel may consider this in evaluating the credibility of the student's grievance and the severity of the named employee's conduct.

If the grievance is resolved at step two, no further action under this policy will be taken.

If the appropriate supervisor is the named employee against whom the student has grieved, the student may bypass step two and proceed directly to step three.

### **Step Three –**

#### **Discussion with the Appropriate Administrator**

If the grievance is not resolved at step two, the student should discuss it with the appropriate administrator. This discussion is a prerequisite to proceeding to step four. The appropriate administrator shall reasonably attempt to mediate a solution to the grievance. If the appropriate administrator believes that the student or named employee did not reasonably attempt to resolve the grievance, the panel may consider this in evaluating the credibility of the student's grievance and the severity of the named employee's conduct.

If the grievance is resolved at step three, no further action under this policy will be taken.

If the appropriate administrator is the named employee against whom the student has grieved, the student may bypass steps two and three and proceed directly to step four.

## **Committee Formation Procedures:**

The committee shall consist of nine members, each serving a one-year term commencing on July 1. Three members shall be students, three members shall be unit three faculty, and three members shall be staff employees.

Student members shall be appointed by the governing board of the Associated Students, no later than April 15 of each year. No more than one student in any major may be appointed. To be eligible for appointment, a student must have completed at least two quarters at the University and at the time of appointment be in good academic standing. Within five business days of appointing student members, the Associated Students shall notify the President of their names and majors.

Faculty shall be appointed by the Nominations Committee of the Academic Senate no later than April 15 of each year. No more than one faculty member may be appointed from any college. To be eligible for appointment, a faculty member must be tenured or tenure-track. The faculty member

may not be on sabbatical, a difference-in-pay leave, or be serving a terminal year during his/her year of service. Within five business days of making appointments, the Nominations Committee shall notify the President of the names and departments of the selected faculty members.

Staff members shall be appointed by the President no later than April 15 of each year.

If, for any reason, a committee member leaves the committee, the appropriate appointing authority shall replace him/her as soon as possible. If the departing member is on one or more panels that have not completed their cases, the coordinator shall select an alternate panel member by lot.

## **Formal Grievance Resolution:**

### **Step Four –**

#### **Presenting Grievance to the Committee**

Within one hundred days of the event/action (or the last date of a related series of events/actions) upon which the grievance is based, a student must complete an approved grievance form and present it to the coordinator if he/she desires formal review of the grievance, notwithstanding any action taken by the appropriate administrator. If the student and the appropriate administrator had entered an extension of time in writing permitting the first three levels of the grievance process to be completed in more than ninety days, then this deadline for completing an approved grievance form shall be automatically extended by the same number of days as set forth in the extension document. The student shall have first completed the informal processes, in a time and manner that will permit the timely filing of the grievance form.

The coordinator shall assist the student in submitting allegations and identifying physical evidence and witnesses on the grievance form. The coordinator shall determine whether findings have been made as to facts alleged in the grievance through another investigation process and obtain a copy of such findings if they exist and are not confidential.

Within five business days of receiving a grievance, the coordinator shall select a panel from the committee.

The coordinator shall select by lot a panel of three members, consisting of one member each from three groups of appointees. If a panel member can not serve because of unavailability, conflict of interest, or other reason beyond his/her control, a replacement shall be selected by lot from that panel member's group.

For purposes of panel selection, a conflict of interest exists for a potential panel member if he/she is:

- a. the named employee against whom the grievance is brought;
- b. a student who was in the class that is a subject of the grievance;
- c. a witness to any of the events that are the subject of the grievance or the named employee's response;
- d. a parent, child, grandparent, grandchild, sibling, first cousin, spouse, ex-spouse, son-in-law, daughter-in-law, brother-in-law, sister-in-law, niece, nephew, or domestic partner of, or who has cohabited with the student or the named employee; and
- e. from the same department or unit as the named employee.

A panel member who has conflict shall immediately notify the coordinator, so that a replacement may be selected. A knowing failure to disclose a conflict of interest shall be grounds for disciplinary action against the panel member by the University and shall be grounds for permanent removal of the individual from the committee.

Within five business days of selecting a panel, the coordinator shall notify the student, in writing, that he/she has received the grievance and that the panel has been formed. The names of the panel members shall be provided in the notice. A copy of this policy and procedure shall also be included with the notice.

Within two business days of selecting the panel, the coordinator shall notify the named employee, in writing, that a grievance has been filed against him/her. The notice shall include a copy of the completed grievance form and the names of the panel members. The notice shall inform the named employee that he/she has ten business days in which to deliver to the coordinator a written response to the grievance and that no facts, physical evidence or witnesses will be permitted at the hearing if they are not identified in the written response. A copy of this policy and procedure shall be included with the notice.

A student or named employee must notify the coordinator, in writing, of any objections to a member of the panel within five business days of receiving notice of the panel members' names. Objections to the composition of the panel must be based on at least one of the grounds set forth in the section on conflict of interest. The coordinator shall immediately contact the panel member in question. If the panel member denies that a conflict exists, the coordinator shall decide whether a conflict exists, within five business days of receiving the objection. If the panel member is removed or admits a conflict, a new panel member shall be selected and all parties shall be notified in writing of the replacement within five business days.

If the coordinator receives written findings made in another investigation process stemming from the same events/actions as the grievance prior to a decision by the panel, and those findings are not confidential, he/she shall give copies of the findings to the panel, the student and the named employee within five days.

Within five business days of receiving the response from the named employee, the coordinator shall give a copy of the response to the student.

## **Initial Consideration of Grievance:**

Within five business days of selecting the panel, the coordinator shall provide each panel member a copy of the completed grievance form. The panel members shall meet with the coordinator within five business days after the coordinator provides the grievance form to the panel to discuss the

allegations, determine, based on the preliminary information available at that point, whether a case for misconduct has been stated, and notify the coordinator of its conclusion in writing. For the purposes of this policy a potential case for misconduct exists only if:

- a. the alleged conduct, if true, would constitute unfair treatment or a violation of policy by the named employee against the student, and
- b. a hearing on the allegations would reasonably permit the panel to determine the truth or falsity of the facts alleged.

The named employee's response is not relevant and shall not be considered by the panel members at this stage. Similarly, findings from another investigation process shall not be considered at this stage. A panel member may not abstain from voting on whether or not a case for misconduct exists.

If the panel concludes that a case for misconduct does not exist as to one or more allegations, the coordinator shall provide the written conclusion and a copy of the grievance to the President's Designee within five business days of receipt, of the conclusion from the panel. Within five business days of receipt, the President's Designee shall adopt the panel's conclusion as to the allegations in question and notify the student in writing or reject it in whole or in part and direct the panel to conduct a hearing. If the President's Designee directs the panel to hear the grievance as to the allegations in question, he/she shall identify in writing those allegations for which he/she believes a case for misconduct exists, and provide a copy to the coordinator.

If the panel concludes that a case for misconduct exists in some or all of the allegations, the panel shall identify in writing those allegations and provide a copy to the coordinator.

Within five business days of receiving a decision to conduct hearing, the coordinator shall provide a copy of the decision to the student and the named employee and schedule a hearing date no later than 20 business days after his/her receipt of the decision. The hearing may be scheduled on a later date only for extraordinary reasons, which shall be limited to the availability of the student, the named employee, a panel member, or a witness deemed by a majority of the panel as material to the hearing. A person is available unless he/she is legally required to be elsewhere or has previously planned travel or activity that will make him/her physically unavailable.

If the coordinator subsequently receives a directive from the President's Designee to conduct a hearing on other allegations, the coordinator shall provide a copy of the directive to the panel, the student, and the named employee. If the coordinator believes that multiple grievances are sufficiently related, he/she may schedule a single hearing in which all related grievances shall be presented provided the named employee approves. Where such grievances have been assigned to different panels, the coordinator shall choose one of these panels by lot to hear the grievances. Within five business days of selecting the panel, the coordinator shall notify in writing the affected students, employees, and panel members of the consolidation and provide the names of the panel members in writing to the affected students and employees. The coordinator shall send copies of the grievance forms to the panel members.

## **Grievance Hearing:**

The coordinator shall provide to the student and named employee written notice of the date, time, and location of the hearing, at least ten business days before the date of the hearing. Shorter notice may be provided only if all parties to the hearing have agreed to accept shorter notice. The coordinator shall include with the notice to the President's Designee or panel's identification of pertinent allegations.

It is the duty of the student and the named employee to provide notice to and secure attendance of their witnesses at the hearing.

No person who is or ever has been licensed to practice law may participate in the hearing process, unless that person is the student, the named employee, a panel member, or a witness. A student or named employee may be represented by any other person. The representative may assist in the presentation of evidence and arguments to the panel, but may not also be a witness. The panel may receive legal advice from the University Legal Counsel regarding procedural or legal questions, but not about the merits of the grievance.

The burden of proof in a hearing rests with the student, who must prove that it is more likely than not that the alleged actions/events occurred and that they constituted unfair treatment or a violation of policy.

Each party shall provide all evidence necessary to support his/her claims or defenses. In instances where relevant evidence is in the custody of another student or named employee, the party who wishes to use the evidence may ask the panel to order that person to provide it to the panel prior to the hearing. The panel shall have the authority to order any University employee or student to appear and/or produce evidence. No University employee employed by the Campus Police shall be required to appear and/or produce evidence if doing so is not permitted by law or recognized public policy.

The panel shall, where necessary, delete or obscure appropriate portions of evidence to protect the privacy of nonparties.

The student and the named employee may be present at all times during the hearing. The hearing shall be closed to all persons except the student, the named employee, their respective representatives, the witness who is presently testifying, the coordinator, the student's support person, and the panel members. The hearing shall proceed only when all three panel members are present.

The formal rules of evidence shall not govern grievance hearings. However, the rules set forth in this section are necessary to ensure that evidence offered at a hearing is appropriately received and considered.

Prior to the hearing, the coordinator shall give to each panel member a copy of the named employee's response to the grievance and any relevant findings made in another investigation process. Unless the panel deems it necessary to accommodate the schedules of witnesses, the panel shall receive all other evidence in the following order:

- a. The student shall present all evidence in support of the grievance. The student is limited to presenting evidence that is referred to in or relevant to the allegations made in the grievance form.
- b. The named employee shall present all evidence refuting the allegations. The named employee is limited to presenting evidence that is referred

- to in or relevant to the allegations and defenses raised by the named employee in the response to the grievance form.
- c. The student shall present all evidence that rebuts the named employee's evidence that does not simply restate the student's earlier evidence.
  - d. The named employee shall present all evidence that rebuts the student's rebuttal evidence that does not simply restate the named employee's earlier evidence.

Evidence that is solely about the character of a student, named employee, or witness shall not be permitted. This shall not preclude evidence that, for reason other than character, bears on the credibility of a student, named employee, or witness, or tends to show a relevant trait or practice.

Hearsay statements may be considered, but the panel should consider the existence or lack of corroborating evidence and the reason for the absence of the person to whom the statement is attributed.

Cross-examination of witnesses shall not be permitted. However, panel members may ask questions of any witness. A student or named employee may, at the conclusion of a witness' testimony, request that the panel ask other questions of the witness. The panel may honor or disregard such requests.

To expedite a hearing, the student and named employee may agree to the existence of any fact. Where possible such agreements should be entered onto the record at the beginning of the hearing. The panel shall consider proven all facts for which there are such agreements.

Either party may object to evidence at the time it is introduced on the ground that it is impermissible under the grievance procedure. The panel shall rule on all objections.

The panel may record the hearing. Such recording shall exist solely for use by the panel while making its findings of fact and recommendations, and shall be used for no other purpose. Recordings will be destroyed five years after the conclusion of the hearing.

## **Decision of the Presidents Designee:**

Within ten business days after the hearing concludes, the panel shall deliberate and make findings of fact in writing. The panel shall convey its findings and any recommendations for remedial action in writing to the President's Designee. The findings shall summarize the testimony of each witness, identify each piece of physical evidence presented during the hearing, and describe how the panel made its findings. Copies of all documents placed in evidence shall be included.

In making its findings, the panel shall defer to and adopt any relevant findings made in an earlier investigation process, unless the evidence presented at the hearing clearly compels a different finding.

Within five business days of receiving the panel's findings and recommendations, the President's Designee shall issue a written decision. The decision shall state whether each finding has been accepted or rejected. The President's Designee shall accept each finding made by the panel unless he/she concludes that no evidence was presented that, if true, would support a finding. The President's Designee may adopt, reject, or modify any recommendation by the panel. The President's Designee shall address his/her decision to the student, with copies to be sent to the named employee, the coordinator, and the appropriate administrator. Absent a timely appeal, the President's Designee's decision shall be final.

## **Appeal Procedures:**

The student or named employee may appeal the President's Designee's decision. The student or named employee must deliver a written appeal to the President within ten business days of the receipt of the President's Designee's decision.

Appeals may be taken only for the following reasons:

- a. The grievance was not submitted in a timely manner at step four.
- b. A panel member had a conflict of interest and was not removed after an objection was raised in a timely manner.
- c. A panel member had a conflict of interest that was discovered subsequently to the time during which objections could be made.
- d. The procedure set forth in this grievance procedure was not followed, to the detriment of the appealing party.
- e. A panel member was biased against the appealing party.

The letter shall describe in detail the facts that support one or more of the reasons set forth in this section. Appeals based on bias must state facts that, if true, indicate bias.

The President may make inquiries of any person he/she believes has information relevant to the appeal, and shall issue a written decision rejecting or accepting the appeal within fifteen business days of receipt of the appeal. The President's decision shall be addressed to the appealing party, with copies to be sent to the other party, the coordinator, and the appropriate administrator.

If the President rejects an appeal, the President's Designee's decision is final.

If the President concludes that the appeal is meritorious, he/she shall refer the matter back to the level at which the error occurred, with corrective instructions. If a panel member was biased or in conflict, the instructions shall include an order to assign a new panel. The grievance shall proceed from the level to which it was referred.

## **General Guidelines:**

Any decision or action by a panel is, unless otherwise indicated, made by majority vote.

If the date to take some action under this policy falls on a day that is not a business day, the action may be taken on the next following business day.



The date on which an action is to take place may also be extended by the coordinator, the President's Designee, or the President, as deemed necessary to the fair consideration of a grievance.

Except as necessary to process a grievance, the coordinator and the members of the committee shall maintain strict confidentiality as to all grievance matters and materials.

No student or named employee, or witness should suffer adverse academic or employment consequences as a result of attendance at a grievance hearing, provided he/she has given prior notice of his/her anticipated absence from class or work to his/her instructor or supervisor. The coordinator shall certify, upon request by any person, the date(s) and time(s) during which that person participated in a grievance hearing. Supervisors and instructors are required to excuse any absence that is so certified, instructors shall permit a student to turn in work or take a test at an alternate time if necessary to accommodate the student's appearance at the grievance hearing.

All documents that are required to be sent to a student, or named employee are deemed received on the date that a document is personally delivered or faxed, or two days after it is placed in the mail.

The President or President's Designee may consult any person in performing their duties and may delegate their duties to any management employee who is not the subject of the grievance.

The student or named employee may have a support person present at all levels of review, including the grievance hearing.

## Organizations Affected:

All University departments

## Appendix J – Statement of Student Rights and Responsibilities



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(Senate: 1/23/68, 11/9/71, 7/15/75, 5/10/77, 11/26/85, 2/18/97; President: 3/26/68, 11/18/71, 12/31/75,\* 6/30/77, 12/20/85, 6/6/97; Editorial Amendment: 9/00)

*\*Should any provision of this approved Statement of Student Rights and Responsibilities be deemed contrary to procedural regulations under Title IX or any other regulation of the federal government, such provisions will be null and void until properly amended. The voiding of any one section shall not invalidate any other section.*

### Preamble

Existing for the pursuit of knowledge, academic institutions should encourage students to enlarge their capacity for critical judgment and to engage in a sustained and independent search for truth. In this respect, free inquiry and free expression are essential when appropriate to the mode of instruction.

Scholars have rights and responsibilities deriving from their highest standards. As members of this community, students have the duty of exercising and cherishing the freedom to learn. Therefore, appropriate opportunities in the classroom, on the campus, and in the larger community should prevail for such a purpose. This document enumerates some conditions conducive to freedom of learning. Students should exercise their rights with maturity and responsibility.

The advancement of higher learning should be the obligation of all members of the academic community. The University has a duty to develop policies and procedures which safeguard academic freedom. In consonance with this social process, the student's rights and privileges as citizens or residents of the United States shall not be abridged.

## I. Academic Advisement

Students have the responsibility to seek advisement throughout their enrollment at this University. To meet this responsibility, they have the right to reasonable access to professional advisement relative to all segments of their academic programs and to their career goals related to those academic programs. From academic major advisers, students should expect advisement relative to the appropriate selection of major and support courses and of General Education courses related to their goals and interests, and on matters relating to most university, and all college and department regulations and procedures. From other appropriate university offices, students should expect advice on matters relating to state and university regulations and procedures. Students have the responsibility to consult the requisite catalogs, schedules, and handbooks for rules and regulations concerning their major and support courses.

## II. In the Classroom

When appropriate to the mode of instruction in the classroom as well as in conference and advisement, the professor should encourage open inquiry and free expression. Students shall be evaluated solely on the basis of their academic performance, not on their opinions or conduct in matters unrelated to academic performance.

- a. **Freedom of Expression.** Students are responsible for mastery of the content of any course in which they enroll, but they are free to take reasoned exception at appropriate times to the interpretation of data or opinions offered.
- b. **Academic Evaluation.** Students are responsible for meeting standards of academic performance established by their professors. Evaluations based on standards other than academic performance in the course being offered shall be considered arbitrary or capricious. The measurement of a student's performance is the responsibility of the professor. The assignment of a final grade is the responsibility solely of the professor.
- c. **Instructional Practice.** Students have the right to substantial instruction in the course content at the time scheduled for class meetings except in mitigating circumstances.
- d. **Writing and Plagiarism.** Plagiarism is a direct violation of intellectual and academic honesty. While it exists in many forms, all plagiarisms refer to the same act: representing somebody else's words or ideas as one's own. The most extreme forms of plagiarism are a paper written by another person, a paper obtained from a commercial source, or a paper made up of passages copied word for word without acknowledgment. But paraphrasing authors' ideas or quoting even limited portions of their texts without proper citation is also an act of plagiarism. Even putting someone else's ideas into one's own words without acknowledgment may be plagiarism. In any of its forms, plagiarism cannot be tolerated in an academic community. It may constitute grounds for a failing grade, probation, suspension, or expulsion.

One distinctive mark of an educated person is the ability to use language correctly and effectively to express ideas. Faculty assign written work for the purpose of helping students achieve that mark. Each professor will outline specific desiderata, but all expect every student to present work that represents the student's understanding of the subject in the student's own words. It is seldom expected that student papers will be based entirely or even primarily on original ideas or original research. Therefore, to incorporate the concepts of others may be appropriate with proper acknowledgment

of the sources; and to quote others directly by means of quotation marks and acknowledgments is proper. However, if a paper consists entirely of quotations and citations, the paper should be rewritten to show the student's own understanding and expressive ability. The purpose of the written assignment (i.e. development of communication and analytic skills) should be kept in mind as each paper is prepared. It should not be evaded through plagiarism.

### III. Student Official Records and Information

- a. **Separation of Records and Information.** To minimize the risk of disclosure to unauthorized persons, discipline, counseling, medical, and activities records shall be kept separately from the official university academic records. Transcripts of academic records shall contain only information about academic status, except that student participation in academic governance may also be recorded pursuant to policies adopted by the University. However, disciplinary actions taken against a student which affect eligibility to reregister may be recorded for as long as authorized by special action of the President or designee, pursuant to the Student Disciplinary Procedures of The California State University.
- b. **University Access to Records and Information.** Information from disciplinary, counseling, academic, medical, or activities files shall be available only to authorized persons within the University who require such records in the normal course of performing the assigned duties of their position.
- c. **Extra-Institutional Access to Records and Information.** Students have a right to expect that their records will not be subject to unauthorized disclosure or access. Student records shall not be available to any extra-institutional person, agency, or organization except as permitted under the Family Education Rights and Privacy Act (FERPA, 20, U.S.C. 1232 [G]). Custodians of student records should be aware that the law prohibits release of most student information without prior consent, except within the University or state or Federal agencies, and only when the persons receiving the information have a "legitimate educational interest."

Students should be aware that there are circumstances under which "directory information" can be released to extra-institutional parties unless a student specifically prohibits it by filing a form with the Registrar's office. (The University shall ensure that the students are notified of their right to file such a form.) Directory information as defined by FERPA includes the student's name, address, telephone listing, data and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. All requests for release of student "directory information" to extra-institutional parties shall be reviewed by the campus information officer and a determination rendered as to whether it meets FERPA requirements.

The University shall make a good faith effort to notify a student in writing upon receipt of a subpoena of student records and information, the judicial authority requesting the records, the specific records requested, and the action taken by the University.

- d. **Student Access to Records and Information.** Unless their right to access has previously been waived on a form provided for that purpose\* currently enrolled and former students of California State University, Los Angeles shall have under both the Family Educational Rights and Privacy Act of 1974 (FERPA) and state law the right to know about existing student record systems and to examine their own records, including letters of recommendation, by following procedures that are established by the office responsible for keeping records. Persons making recommendations have a right to know in writing whether access rights have been waived. Students may challenge the record's accuracy or the appropriateness of its retention. In addition, students shall have the right to include in their individual records any additional information or responses bearing on information they find objectionable. Students must furnish copies of such additional information to the individuals, departments, or administrative officers who originate the information found objectionable.\*\*
- e. **Confidentiality of Acquired Information.** All University personnel shall respect confidential information about students which they acquire in the course of their work.
- f. **Political Files.** No records or files shall be kept reflecting the political beliefs or political activities of students.
- g. **Disciplinary Files.** Any person or entity holding disciplinary records shall destroy disciplinary files five years after the expiration of disciplinary action or immediately after the decision that there shall be no disciplinary action.
- h. **Copies of Student Records.** A student may receive a copy of a record which the student has requested or consented to be released. Students must pay a charge for copies of records for which such a charge has been established.

\*Students have access to only those letters of recommendation written after January 1, 1975, unless the author of the earlier letters consents to the ending of confidentiality.

\*\*Students shall not have access to investigative information unless such information is directly relevant to the evidence used in formal disciplinary hearings.

### IV. Freedom of Information

- a. The student shall have the right to reasonable access to university, college, and department policies, procedures, standards, and regulations which affect the right of a student to enroll, remain enrolled, or withdraw from any course or program of study.
- b. The University's **General Catalog** shall be the principal means by which such academic information as enumerated above shall be transmitted to students.
- c. The University, colleges, departments, and interdisciplinary groups shall not initiate and implement, procedures, standards, and regulations which affect the right of a student to enroll, remain enrolled, or withdraw from any course or program of study except through established university procedures.
- d. Students shall have the right to information from each professor at the first class session as to the general requirements and goals of a course in which they are enrolled, and the general criteria upon which they will be evaluated in that course. Such information must be made available in the form of a written syllabus by the second meeting, and preferably at the first class session. A copy of the syllabus shall be available for review in the department office. The syllabus shall include but not be limited to the following:

1. General course description including course prerequisites, if any.
  2. Course objectives.
  3. Topical outline of course.
  4. Requirements - policies and procedures (e.g., attendance, assignments, reading), and basis for evaluation (e.g., written work, examinations or quizzes, term papers, portfolios, projects, laboratory or field work assignments, etc.).
  5. Grading system and its relation to achievement of the requirements in (4).
  6. Date and time of final examination.
  7. Instructor's campus location, telephone extension and office hours.
- e. Just as it is the students' right to know the policies, procedures, standards, and regulations which affect their rights, so shall it be their responsibility to obtain and act appropriately on such information, and their ignorance of such information which has been made accessibly to them shall not be cause to waive such policies, procedures, standards, and regulations.

## V. Student Affairs

- a. **Freedom of Access to Higher Education.** The University will make clear the characteristics and academic performance of students which it considers relevant to success in the institution's program. Under no circumstances should a student be barred from admission to a particular institution on the basis of race, religion, or sex. Thus, within the limits of its facilities, the University shall be open to all students who are qualified according to its admission standards. The facilities and services of the University shall be open to all of its enrolled students, and the institution shall use its influence to secure equal access for all students to public facilities in the local community.
- b. **Freedom of Association.** Students bring to the campus a variety of interests previously acquired, and develop many new interests as members of the academic community. They shall be free to organize and join associations to promote their common interests.
  1. Affiliation with an extra-mural organization shall not disqualify a student organization from institutional recognition. At the same time, all actions of a student organization shall be determined by vote of only those persons given voting privileges in that organization and who also hold bona fide membership in the university community. These university organizations may not represent themselves as expressing official policy or practice of the University.
  2. The institution requires student organizations to make every effort to secure a faculty adviser. Each organization shall free to choose its own faculty adviser. Institutional recognition will not be withheld or withdrawn solely because of the inability of a student organization, after conscientious effort, to secure an adviser. Members of the faculty perform an important educational role and serve the university community when they accept the responsibility to advise and consult with student organizations. They shall guide organizations in the exercise of responsibility, but they do not have the authority to control the policy of organizations.
  3. Student organizations are required to submit a constitution,\* a statement of purpose, a list of officers, a definition of membership, and rules of procedure to the Director of Student Programs and Housing. Student organizations are not required to submit a membership list as a condition of institutional recognition. The list of officers shall be destroyed when it is no longer in effect.
  4. Student organizations, including those affiliated with an extramural organization, will be open to all students without respect to race, creed, religion, national origin, sex, or age.
  5. Students and student organizations are free to examine and to discuss all questions of interest to them, and to express opinions publicly or privately. They are also free to support causes by any means which do not disrupt the regular and essential operation of the institution. At the same time, they must make clear to the academic larger community that in their public expressions or demonstrations, students or student organizations speak only for themselves.
  6. Students are allowed to invite and to hear any person of their own choosing, providing the invitation is in consonance with university policy on visiting speakers. The institutional control of campus facilities will not be used a device of censorship. Sponsorship of guest speakers does not necessarily imply approval or endorsement of the views express, either by the sponsoring group or the institution.
- c. **Student Participation in Institutional Government.** As members of the academic community, students shall be free, individually and collectively, to express their views on issues of institutional policy and on matters of general interest to the student body.\*\* The role and character of student government shall be reviewed and modified only through prescribed procedures.
- d. **Student Publications and Broadcasting.** Student publications and the student press are valuable aids in establishing and maintaining an atmosphere of free and responsible discussion and intellectual exploration on the campus. They are a means of bringing student concerns to the attention of the faculty and the institutional authorities, and of formulating student opinion on various issues on the campus and in the world at large. They also represent the institution to the public. The **Communications Code** states university policies on these matters. To this end, the editorial freedom of student editors and managers entails corollary responsibilities to be governed by the canons of responsible journalism, where libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo are especially inappropriate.

Particular questions with respect to a student's rights and responsibilities should be directed to the Office of the Vice President for Student Affairs.

\*Title 5, *California Administrative Code*, section 41503, requires student organization to submit a constitution.

\*\*The student body and its official governing arm, the Associated Students, Inc., have a clearly defined role in the expressing the wishes of the student body and in determining institutional policy (See ASBOD Minutes of October 13, 1966, items 4.11- 4.13, and the faculty Constitution, [Appendix B](#)).

## VI. Student Complaint Procedure

The California State University takes very seriously complaints and concerns regarding the institution. If you have a complaint regarding the CSU, you may present your complaint as follows:

- (1) If your complaint concerns CSU's compliance with academic program quality and accrediting standards, you may present your complaint to

the Western Association of Schools and Colleges (WASC) at <http://www.wascsenior.org/comments>. WASC is the agency that accredits the CSU's academic program.

(2) If your complaint concerns an alleged violation by CSU of a state law, including laws prohibiting fraud and false advertising, you may present your claim to the campus president or designee: Tanya Ho, University Internal Auditor, [tho@pine.ad.calstatela.edu](mailto:tho@pine.ad.calstatela.edu). The president or designee will provide guidance on the appropriate campus process for addressing your particular issue.

If you believe that your complaint warrants further attention after you have exhausted all the steps outlined by the president or designee, or by WASC, you may file an appeal with the Associate Vice Chancellor, Academic Affairs at the CSU Chancellor's Office. This procedure should not be construed to limit any right that you may have to take civil or criminal legal action to resolve your complaint.

# Appendix K – Grade Appeals/Academic Grievance Policy



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*(Senate: 6/1/10; President: 6/21/10)*

*Governing Document: E.O. 1037*

## I. Introduction

The purpose of this policy is to establish fair and equitable means by which matriculated students may appeal assigned course grades and other Academic decisions. Non-Academic grievances filed by matriculated students should follow the procedures outlined in the Student Grievance Procedures. Charges of discrimination, harassment, or retaliation filed by students or applicants for admission to the University are addressed in a separate policy.

Faculty members at CSULA have the sole right and responsibility to assign grades. It is assumed that the grades assigned by faculty members are free from error, prejudice, or capriciousness. In the absence of compelling reasons to believe that one of these criteria is missing, the grade assigned by the instructor of record is to be considered final and correct. It is the responsibility of anyone appealing a grade to demonstrate otherwise.

Throughout this policy, the terms 'day' and 'days' shall refer to academic work days (i.e., any day, Monday through Friday, on which the University is open for business and faculty are on duty). Academic work days do not include holidays or term breaks.

## II. Basis for Appeal

It is presumed that the assignment of final course grades and other academic decisions result from consistent, fair, and equitable application of clearly articulated standards and procedures. Students appealing such decisions must demonstrate that the standards and procedures were not clearly stated or that they were not applied in a consistent, fair and equitable manner. An appeal may not be based on a disagreement with the standards and procedures themselves. Further, an instructor's evaluation of a student's work and performance in that instructor's course must not be over-ridden merely because of a difference of opinion or evaluative judgment, provided it is formed in accordance with the generally accepted canons of the relevant discipline and of the University and the Department/Division/School wherein said course is offered.

An appeal may be initiated only on a claim that the decision/final grade was based on:

- (1) Clerical error;
- (2) Capricious or prejudicial evaluation;
- (3) Inconsistent or inequitably applied standards for evaluation; or
- (4) A finding of academic dishonesty that the student disputes.

The burden of proof in the appeal of a grade or other academic decision is on the student. In every appeal, the student must present evidence that the grade/decision being appealed was based on one of the first three conditions articulated above, or (in the case of the fourth possible basis), evidence that the allegation of academic dishonesty was not warranted.

A student may appeal a final course grade or a grade on a Comprehensive Examination or a project (e.g., art exhibition) or thesis required for graduation. Students who believe that individual exams and/or assignments demonstrate evidence of prejudicial, capricious, or arbitrary grading may appeal the grade assigned in individual assignments only insofar as those grades had direct bearing on the final grade. In every case, the student must attempt to resolve a grade dispute informally before filing a formal Grade Appeal.

Students may also appeal other types of academic decisions. These include, but are not limited to: the decision to refuse admission to or to disqualify a matriculated student from a major or program; academic consequences (in addition to course grades) that result from accusations of academic dishonesty; and academic probation, suspension, or disqualification.

## III. Process

Before a student may initiate a formal Grade Appeal based on a clerical error, capricious or prejudicial evaluation, inconsistent or inequitably applied evaluation standards, he or she must attempt to resolve the issue informally. All other Academic appeals, including findings of academic dishonesty, shall proceed immediately to the Formal Appeal Process, outlined in Section B, below.

### A. Informal Process

Students who believe that they have a basis for a grade appeal (as outlined in Section II) should notify the course instructor in writing, within

twenty (20) days of the beginning of the term (excluding summer) immediately following the formal posting of the grade. If the instructor is not responsive or is unavailable to respond to a student's good faith efforts to contact him/her, the student should contact the department/division chair or school director (hereafter the chair) in which the course was offered. In the event that the instructor is not available to discuss informal resolution of the Grade Dispute with the student even with the intervention of the chair, the Formal Appeal process may be initiated.

If the student and instructor are not able to resolve the problem to the satisfaction of both parties, the student should discuss the assigned grade with the chair or other appropriate supervisor. This discussion is a prerequisite to proceeding to the Formal Appeal Process. However, if the chair is the instructor against whom the student wishes to file the Grade Appeal, the student may bypass this step of the informal resolution process and either request mediation by the college dean or proceed directly to the Formal Appeal Process.

The chair shall reasonably attempt to facilitate a resolution to the grade dispute. The involved parties are strongly encouraged to participate and cooperate with the chair's attempt to resolve the dispute. The chair may consult an appropriate department/division/school committee to hear Grade Appeals or other Academic Grievances. This department/division/school committee shall recommend a resolution to the chair, who will share this information with the student and the instructor.

If the grade dispute cannot be informally resolved within the department/division/school, any of parties may request mediation from the dean or designee.

If the grade dispute is informally resolved to the mutual satisfaction of the two parties and the resolution is that the final course grade is to be changed, the instructor shall complete a Change of Grade form within three (3) academic days of resolving the matter. No further action under this policy need be taken. If the grade dispute cannot be informally resolved or is not completed by the end of the term during which it was initiated, the student may elect to proceed to the formal grade appeal process.

## **B. Formal Appeal Process**

A formal appeal of a course grade or other academic decision must be initiated no later than the end of the academic term (excluding summer) following formal notification to the student of the decision or grade. For the purposes of this policy, the posting of course grades constitutes formal notification to students of course grades. For all other decisions, formal notification will normally be in the form of written correspondence from the appropriate university, college, or department/division/school authority.

A formal appeal is to be filed in the office of the Provost and Vice President for Academic Affairs (hereafter, the Provost). A formal appeal must include (1) the Academic Grievance Appeal Form (2) a copy of the grade report (for grade appeals) or notification of the decision being appealed (for all other academic appeals); (3) a written statement clearly presenting the basis for the appeal; and (4) any documentation that supports the appeal (such as the course syllabus, exams, papers, assignments, or other corroborating documents).

The University Academic Appeals Board shall review all appeals. The Board shall determine, within twenty (20) days of receipt of the written request, whether or not the grievance or appeal warrants further review. If the Board determines that the case does not warrant further review, the Board shall notify the student of this decision, in writing. With the exception of appeals as described in Section V, below, this decision shall be final and binding.

If the Board determines that a hearing is warranted, the chair of the Board shall notify, in writing, both the student and the respondent of this determination; notice to the respondent shall invite a written response prior to the date of the hearing. When the appeal concerns a course grade, the respondent shall be the instructor of record for the course. When an appeal concerns the grade on a comprehensive exam or a thesis or project, the respondent shall be the chair of the exam, thesis, or project committee. For all other academic appeals, the Respondent shall be the person upon whose authority the decision was rendered (e.g., the chair if the decision was to disqualify the appellant from the program or major). In the event that an instructor is not available to participate in the formal process, the department/division chair or school director shall appoint another instructor whose area of expertise most closely approximates that of the instructor of record (and/or that most closely matches the material covered in the course), to represent the interests of the instructor of record. Where the respondent is not clearly identified, the dean of the college or the Provost shall designate the appropriate party to respond on behalf of the college or the University, respectively.

The notification shall specify the proposed date and time of the hearing and shall invite both parties to appear at that time, if they wish to present testimony or further evidence not already included in the written record. The Board shall appoint, from among its membership, a Hearing Committee consisting of two faculty members and one student member (if the student appellant has authorized student participation in the hearing). In no case shall a member of a hearing committee be from the same department/division/school from which the appeal originated.

The Hearing Committee shall convene and, if necessary, hold any hearing(s) within twenty (20) days of the determination that a hearing is warranted. The committee shall consider the documentation submitted by the appellant, as well as any written response submitted by the respondent. The committee may call witnesses before them, if they determine that such witnesses could provide relevant information not available in the written documents before them. If a student is given a hearing before the committee, the respondent must also be offered the opportunity to be heard by the committee.

Although in grade appeals the presumption is that the assigned grade is correct, should the Hearing Committee find (after conducting a hearing) that the evidence indicates otherwise, the Hearing Committee may determine that the grade should be changed. Similarly, the presumption is that the academic decisions are made fairly, equitably, and in good faith; however, should the evidence indicate otherwise (after a hearing has been conducted), the Hearing Committee may determine that a decision should be reversed. In all cases, the Appeal Board's authority (as well as that of convened Hearing Committees) is limited to actions consistent with the policies of the California State University system and those of California State University, Los Angeles.

The Hearing Committee's deliberations and decision(s) in Academic Appeals shall be limited to the following issues: (1) whether, in fact, the evidence presented establishes that the grade assigned or the academic decision in question was erroneous, capricious, or prejudicial, or involved the inconsistent or inequitable application of standards for evaluation; and if it is judged that the evidence does establish that one of these conditions was operative, (2) the appropriate academic remedy.

Student members of the Hearing Committee shall be limited to discussion of (1). Only faculty members of the committee shall establish the answer to (2). In every case, the committee's decision shall be bound by any other relevant campus or CSU system policies.

The Hearing Committee shall deliberate on the case and issue a finding within ten (10) days of the conclusion of the hearing(s) related to the case. The Hearing Committee's decision shall be formalized in writing and addressed to the appellant, with copies to the respondent, the college dean, and the Provost (or designee, as the executive secretary of the Academic Appeals Board), and shall include a summary of their findings, the final decision, and the reason(s) for this decision. A copy of the Hearing Committee's findings shall be placed in a file in the Provost's office. At the subsequent meeting of the Academic Appeals Board, the executive secretary shall report on all matters resolved by the Hearing Committee(s) convened since the previous meeting.

In the event that the Hearing Committee finds in the appellant's favor, the Provost or designee shall ensure that within ten (10) academic days of receipt of the committee's finding a Change of Grade form is completed or other remedy initiated. In cases in which the instructor of record of a course refuses to sign the change of grade form, the college dean shall complete the form in his/her place.

## IV. Confidentiality

All discussions and deliberations of the Academic Appeals Board and of Hearing Committees shall be held in strict confidentiality. Confidentiality shall be maintained unless a legitimate need to know is established by the Hearing Committee chair or in order for the committee members to complete their deliberations in the matter at hand or as required by any legal action, and in a manner consistent with the Family Educational Rights and Privacy Act (FERPA) (Student Records Administration - 011, Sec 5.8) and any other applicable law. The Hearing Committee chair may consult with or request documentation of a student's history of academic dishonesty from the Judicial Affairs Officer, and may apprise Hearing Committee members of such information only on a strict need to know basis.

No student member of the Academic Appeals Board or a Hearing Committee may be apprised of any academic information concerning another student (including grades or other confidential information) unless that student has expressly permitted such disclosure by signing the disclosure statement on the formal Academic Appeals Form.

## V. Finality of Hearing Committee Decisions and Conditions under which Appeals are Allowed

The Hearing Committee's decision is final and binding on all parties. However, any party to the dispute (either the student or the respondent) may appeal a committee decision on grounds of procedural violations. If either party alleges that the procedures outlined in this policy were violated, they must present a written appeal to the President outlining their allegations within ten (10) days of notification of the decision. The President (or designee) shall then investigate only the issue as to whether there were procedural violations in the handling of the appeal; if there is a finding of procedural violations, the President shall send the case back to the first step of the formal appeal (outlined in Section III B, above) to begin again.

## VI. Annual Reports and Record Retention

The Provost shall retain for a period of three years after the appeal has been exhausted each appeal that has been filed with the Academic Appeals Board, and a copy of all documentation submitted initially as well as at any time during the proceedings. After three years, the file shall be destroyed. Annually, at the end of each academic year, the Provost shall report to the President and to the Academic Senate the number of formal academic appeals received, as well as the nature and resolution of each appeal.

## VII. Timelines

The timelines in this policy may be extended by the Provost, if the appellant can present documentation of extenuating circumstances that prevented a timely filing of the appeal (or a timely response at a later stage) or if the Appeals Board or Hearing Committee provides compelling reasons that warrant such an extension.



## Appendix L – CSU Systemwide Discrimination Policy

   Print this Page

Systemwide Policy Prohibiting Discrimination, Harassment, and Retaliation Against Students and Applicants for Admission AND Systemwide Procedure for Handling Discrimination, Harassment and Retaliation Complaints by Students and Applicants for Admission Against the CSU and/or CSU Employees.

*(Effective Date: March 1, 2010)*

### Article I

#### Definitions:

For the purpose of this executive order, the following definitions apply:

**A. Academic Affairs**

Means the division at the Chancellor's Office that is responsible for gathering, reviewing and evaluating information on the admission criteria of a campus academic program.

**B. Accused**

Means the CSU and/or a CSU employee against whom an allegation of discrimination, harassment or retaliation has been made.

**C. Applicant for Admission (or Applicant)**

Means an individual who has applied for admission to an undergraduate, graduate, or credential program at a CSU campus that leads to the pursuit of a CSU degree.

**D. Age**

Has the same meaning as defined in California Government Code Section 12926(b) and refers to the chronological age of any individual who has reached his or her fortieth (40th) birthday.

**E. California State University (CSU)**

Means the 23 campus system of the California State University, including the Office of the Chancellor (CO).

**F. Campus (or University)**

Means any of the 23 campuses of the California State University.

**G. Chancellor's Office (CO) Designee**

Means the person tasked with reviewing and responding to a student's/applicant for admission's appeal at Formal Level II.

**H. Complaint**

Means a written communication that complies with Article VI, Section C, of this executive order, alleging discrimination, harassment or retaliation against the CSU and/or a CSU employee.

**I. Complainant**

Means an individual who is eligible to, and does, file a complaint to report discrimination, harassment or retaliation as defined by this executive order.

**J. Day**

Means a work day. Work days are defined as Monday through Friday, excluding all official holidays or campus closures at the campus where the complaint originated.

**K. Disability**

Means mental or physical disability as defined in California Education Code Section 66260.5.

**L. Discrimination**

Means a discriminatory act against a student/ applicant on a basis prohibited by California Education Code Sections 66250 et seq. and/or this executive order.

**M. Discriminatory Act**

Means an act that meets the legal elements of a discrimination claim.

**N. Employee**

As defined in Title 5 of the California Code of Regulations, means a person legally holding a position in and employed by the California State University

(e.g., Administrators, Faculty, Staff, and Student Employees).

**O. Gender**

As defined in California Education Code Section 66260.7, means sex, and includes a person's gender identity and gender related appearance and behavior whether or not stereotypically associated with the person's assigned sex at birth.

- Sex has the same meaning as defined in California Government Code Section 12926(p), which includes, but is not limited to, pregnancy, childbirth or medical condition related to pregnancy or childbirth.

**P. Harassment**

Means unwelcome conduct that is engaged in because of the protected status of a student or an applicant, and:

1. Submission to such conduct is made either an explicit or implicit term or condition of admission or academic evaluation;
2. Submission to or rejection of such conduct is used as the basis or threatened to be used as the basis for an academic assessment affecting the student or applicant; or
3. Such conduct is so severe or pervasive that its effect, whether or not intended, is an educational environment that could be considered by a reasonable person, in the shoes of the student/ applicant, and is in fact considered by the student/applicant, intimidating, hostile or offensive.

**Q. Investigator**

means the person tasked by a campus with investigating a complaint of discrimination, harassment, or retaliation at Formal Level I. An investigator may be a Management Personnel Plan employee or an external consultant.

**R. Management Personnel Plan Employee**

As defined in Title 5 of the California Code of Regulations, means an employee who has been designated as "management" or "supervisory" in accordance with the provisions of the Higher Education Employer-Employee Relations Act.

**S. Nationality**

as defined in California Education Code Section 66261.5, includes citizenship, country of origin, and national origin.

**T. Preponderance of the Evidence**

Means the greater weight of the evidence; i.e., that the evidence on one side outweighs, preponderates over, or is more than, the evidence on the other side.

**U. Protected Status**

Means any basis listed or defined in California Education Code Sections 66250 et seq.

**V. Race or ethnicity**

As defined in California Education Code Section 66261.7, includes ancestry, color, ethnic group identification, and ethnic background.

**W. Religion**

As defined in California Education Code Section 66262, includes all aspects of religious belief, observance, and practice and includes agnosticism and atheism.

**X. Retaliation**

Means adverse action that is taken by a CSU employee because a student or an applicant has or is believed to have:

- Reported or opposed conduct which the student or applicant reasonably and in good faith believes is discrimination/harassment/retaliation; or
- Participated in a discrimination/harassment/ retaliation investigation/ proceeding.

**Y. Sexual Orientation**

as defined in California Education Code Section 66262.7, means heterosexuality, homosexuality, or bisexuality.

**Z. Student**

Means an individual who has been admitted to an undergraduate, graduate, or credential program at a CSU campus that leads to the pursuit of a CSU degree.

**Systemwide Policy Prohibiting Discrimination, Harassment, and Retaliation  
Against Students and Applicants for Admission**

## Article II

### Statement of Policy

The California State University (CSU), through its chancellor and presidents, is committed to creating an atmosphere in which all students have the right to participate fully in CSU programs and activities free from unlawful discrimination, harassment and retaliation.

This policy is established in compliance with the California Equity in Higher Education Act, California Education Code Sections 66250 et seq., among

other applicable state and federal laws. It is the policy of the CSU that no student or applicant for admission as a student shall, on the basis of disability, gender, nationality, race or ethnicity, religion, sexual orientation, or age, be unlawfully excluded from participation in or be denied the benefits of any CSU program or activity. Nor shall a student or applicant for admission as a student be otherwise subjected to unlawful discrimination, harassment, or retaliation for exercising his/her rights under this executive order.

Employees and students who violate this policy may be subject to discipline. If discipline of a CSU employee is appropriate under this policy, it shall be administered in a manner consistent with applicable collective bargaining agreements, CSU policies, and provisions of California Education Code Sections 89535 et seq. Discipline of a student shall be administered in accordance with Section 41301 of Title 5, California Code of Regulations.

## Article III

### Implementation and Communication of the Policy

Each campus president shall designate a Management Personnel Plan employee who shall be responsible for the implementation of, and compliance with, this policy.

This executive order shall be made readily available to all students, applicants for admission, and to all CSU employees, utilizing multiple media of communication, including student orientations, student catalogs, new employee orientations, campus websites, and the offices of Equity and Diversity, Student Affairs, Student Judicial Affairs, and Human Resources.

### Complaint Process

## Article IV

### Complaints Regarding Violations of the Policy

#### *A. Complaints That Are Not Against the CSU and/or CSU Employees*

Discrimination, harassment and retaliation complaints against students, visitors, vendors or independent contractors who are not CSU employees shall be filed under campus procedures, not under the procedures in this executive order.

Discrimination complaints against students shall be filed at each respective campus per Executive Order 1043, Student Conduct Procedures. Complaints received from students against students shall be referred to the campus designated Student Conduct Administrator for the appropriate governance.

Grade appeals without a discrimination issue shall be filed under campus procedures, per Executive Order 1037, Grading Symbols, Minimum Standards Governing the Assignment of Grades, Policies on the Repetition of Courses, Policies on Academic Renewal, and Grade Appeals.

#### **B. Complaints Against the CSU and/or CSU Employees**

This executive order provides students and applicants for admission a procedure to address unlawful discrimination, harassment and retaliation by the CSU and/or CSU employees. The procedure is delineated in Articles V, VI, VII and VIII of this executive order.

Each campus shall designate specific employees to receive complaints filed against the CSU and/or CSU employees under this executive order.

#### **C. Who May File Complaints**

Only students in, or applicants for admission to, an undergraduate, graduate, or credential program at a CSU campus that leads to the pursuit of a CSU degree, may use Articles V, VI, VII and VIII to raise complaints of discrimination, harassment or retaliation against the CSU and/or CSU employees under this executive order.

**Student employees, whose discrimination complaints arise out of their employment, shall file their complaints under Executive Order 928, Systemwide Complaint Procedure for Discrimination, Harassment and Retaliation Complaints for Employees Not Eligible to File a Complaint or Grievance Under a Collective Bargaining Agreement or Whose Collective Bargaining Agreement Incorporates CSU Systemwide Complaint Procedure, not under this executive order.**

This policy and the procedures set forth herein do not apply to an individual taking courses through the College of Extended Studies and International Programs, unless the student is concurrently enrolled at a CSU campus and taking courses that lead to the pursuit of a CSU degree. Similarly, an individual participating in a program administered by a CSU auxiliary organization must use that organization's policies and procedures to file discrimination complaints, rather than this executive order. If the campus receives these types of complaints, the campus shall promptly acknowledge receipt of the complaints in writing and refer the complaints to the appropriate auxiliary organization or the College of Extended Studies and International Programs administrator.

### **Systemwide Procedure for Handling Discrimination, Harassment and Retaliation Complaints by Students and Applicants for Admission Against the CSU and/or CSU Employees**

## Article V

### Complaints Against the CSU and/or CSU Employees - Informal Resolution Campus Level

Students/applicants who believe they are or may have been victims of discrimination, harassment or retaliation by the CSU and/or a CSU employee may request that the Informal Resolution process be initiated prior to/ or instead of filing a formal complaint.

Upon receipt of a student's/applicant's informal concern(s), the person who received the concern shall contact the campus designated Management Personnel Plan employee responsible for implementation of and compliance with this executive order at the campus and provide that individual with the student's/applicant's contact information.

During the Informal Resolution process, the University will attempt to resolve the student's/applicant's concern(s) quickly and effectively. The designated Management Personnel Plan employee will meet with the student/applicant, the accused, and any other person(s) or witness(es) determined to be necessary for a resolution of the matter, to review the allegations and any responses. Informal Resolution may take the form of a negotiated resolution facilitated by the Management Personnel Plan employee designated by the campus.

At any time during the Informal Resolution process, the student/applicant, may elect to terminate the process and proceed with Article VI of this executive order.

Both the student/applicant and the accused will be expected to keep the details of the informal resolution process confidential until the process is concluded.

If resolution is reached by these informal means, a record of the resolution will be memorialized in a written document and signed by the student/applicant. Such document will be maintained in accordance with applicable campus recordkeeping policies. The matter will be considered closed and the student/applicant will be precluded from subsequently filing a formal complaint or appeal on the same incident under this executive order.

If resolution is not reached by these informal means, the student/applicant will be informed about how to file a formal complaint pursuant to Article VI of this executive order.

The University may determine that circumstances warrant initiating an investigation even if a formal complaint is not filed and independent of the intent or wishes of the student/applicant. This does not impose a duty on the University to conduct an investigation any time informal resolution is sought. The investigation conducted by the campus in such a circumstance shall not be subject to Article VI of this executive order.

## Article VI

### Complaints Against the CSU and/or CSU Employees - Formal Level I – Campus Level

**A. Filing a complaint.** The student/applicant shall file a written complaint with a University employee designated to receive discrimination/harassment/retaliation complaints from students/applicants. The date of receipt shall establish the complaint filing date. The person who received the complaint shall contact the campus designated Management Personnel Plan employee who is responsible for implementation of, and compliance with, this executive order at the campus, and shall provide that individual with the student's/applicant's contact information and a copy of the complaint.

**B. Timeline for filing a complaint.** To be timely, the student/applicant must file a complaint no later than twenty (20) work days after the end of the academic term (semester/quarter) in which the most recently alleged discriminatory/ harassing/retaliatory act occurred.

**C. Requirements of a Complaint.** The student/applicant should complete the attached "CSU Student/Applicant for Admission Discrimination/Harassment/Retaliation Complaint Form" or, in the alternative, the student/applicant shall submit a written signed statement containing the following information:

1. The full name, address and telephone number(s) of the student/applicant;
2. The name of the accused employee(s) of the CSU and their position(s), if known;
3. The student's/applicant's protected status that is the alleged basis for the complained of discriminatory, harassing or retaliatory act;
4. A clear, concise written statement of the facts that constitute the alleged discriminatory, harassing or retaliatory act(s), including pertinent date(s) and sufficient information to identify any individuals who may provide information (e.g., potential witnesses) during the course of the investigation conducted under these procedures;
5. A statement by the student/applicant verifying that the information supporting the allegations are true and accurate to the best of his/her knowledge;
6. The term and year of the student's last active academic status or the term and year the applicant sought admission to the University;
7. The full name, address and telephone number of the student's/applicant's advisor, if any;
8. Specific harm resulting from the alleged violation;
9. Specific remedy sought;

10. The student's/applicant's signature; and

11. The date of complaint submission.

**D. Intake interview.** An interview with the student/applicant shall occur as soon as possible, but no later than ten (10) work days after the student/applicant has submitted a formal complaint. Students/applicants must make themselves available for this meeting. The meeting will serve to:

1. Acquaint the student/applicant with the investigation procedure and timelines, if not already done.
2. Inform the student/applicant of his/her rights (including having an advisor), if not already done.
3. Request the student/applicant to complete and sign a formal complaint form, if not already done.
4. Conduct the initial intake interview.

**E. Advisor.** The student/applicant may elect to have an advisor accompany him/her to any meeting(s) and/or interview(s) with the University regarding the complaint. The advisor may be an attorney. The advisor's role in such meetings and/or interviews is limited to observing and consulting with the student/applicant.

**F. Notice Regarding Complaint.** Only those persons with a legitimate need to know will be apprised of the filing of and disposition of a complaint. Those persons may include, but are not necessarily limited to, appropriate organizational unit administrators (Deans, Chairs, Department Heads, Directors, Vice Presidents, and University Counsel) who must be involved to ensure that retaliatory action does not occur during or after the investigative process, and/or to effectuate corrective actions.

**G. Investigation Procedure and Report of Findings of Fact and Conclusions.** Upon inquiry or during the course of an investigation, the student/applicant shall be advised of the status of the investigation. The investigation shall be completed no later than sixty (60) work days after the intake interview, unless the timeline has been extended pursuant to Article VIII, Section E or F of this executive order. The timeline for the investigation shall not be extended pursuant to Article VIII, Section E or F for a period longer than an additional thirty (30) work days from the original due date. Within the investigation period stated above, the investigator will make findings of fact and conclusions regarding the allegations which he/she shall reduce to an investigative report. The preponderance-of-the evidence is the applicable standard for demonstrating facts in the investigation. In order to establish a fact, the investigator must find that its existence is more probable than its non existence: i.e., that it is more likely than not to exist. The investigative report should include a summary of the allegations, a description of the investigative process, the preponderance of the evidence standard used to determine whether a violation of policy occurred, the evidence considered and a determination of whether the allegations were found to be substantiated. The investigative report is then provided to the campus designated Management Personnel Plan employee responsible for implementing the executive order at the campus.

**H. Notice of Finding.** If the Management Personnel Plan employee is the same person who investigated the complaint, he/she shall provide the student/applicant with notification of the outcome of the campus investigation within ten (10) work days of completing the report. Otherwise, within ten (10) work days of receiving the investigative report from the investigator, the campus designated Management Personnel Plan employee responsible for implementing the executive order at the campus shall review the report and notify the student/applicant in writing of the outcome of the campus investigation. The notification should include a summary of the allegations, a description of the investigative process, the preponderance of the evidence standard used to determine whether a violation of policy occurred, the evidence considered and a determination of whether the allegations were found to be substantiated. The notification shall inform the student/applicant of his/her option to file an appeal under Article VII of this executive order.

In addition to the above notification, a separate notification shall be provided to the accused(s), indicating whether or not the allegations at Formal Level I were substantiated and, if not, informing the accused(s) of the complainant's right to file an appeal.

## Article VII

### Complaints Against the CSU and/or CSU Employees – Formal Level II – Appeal to Office of the Chancellor (CO)

**A. Timing for Appeal to CO.** If the student/applicant is not satisfied with the decision made at Formal Level I, he/she may file a Formal Level II Appeal with the Office of the Chancellor no later than ten (10) work days after the receipt of the Formal Level I decision.

Formal Level II Appeals shall be addressed to: Office of the Chancellor, Equal Employment Opportunity & Whistleblower Compliance Unit, Systemwide Human Resources, 401 Golden Shore 4th Floor, Long Beach, CA 90802.

**B. Appeal Request.** The appeal shall be in writing and shall detail the specific disagreements with the Formal Level I response. The issues raised on appeal shall be limited to those issues raised during the Formal Level I process.

**C. CO Review.** The CO designee (and Academic Affairs, where admission criteria are at issue) shall carefully review the issues raised on appeal and issue a response pursuant to this executive order. The review shall be limited in scope to the student's/applicant's specific disagreements with the Formal Level I response.

**D. CO Response.** The CO designee shall respond to the student/applicant no later than sixty (60) work days after receipt of the Formal Level II filing, unless the timeline has been extended pursuant to Article VIII, Section E or F of this executive order. Generally, the response should include a summary of the issues raised on appeal, a description of the review process, the preponderance of the evidence standard used to determine whether a violation of policy occurred, the evidence considered and a final decision. A separate notification shall be provided to the accused(s), indicating whether or not the allegations at Formal Level II were substantiated.

**E. Closure.** The CSU review of the complaint filed by a student/applicant under this executive order shall end following a final decision by the CO designee.

## **Article VIII**

### **General Provisions for Investigations of Complaints Against the CSU and/or CSU Employees**

A. The person who conducts an investigation under this executive order at Formal Level I may be the campus designated Management Personnel Plan employee responsible for implementing the executive order or another Management Personnel Plan employee or an external consultant, provided the investigator is not within the administrative control or authority of the accused. All investigations/reviews under this executive order shall be conducted impartially and in good faith.

B. Students/applicants and CSU employees are required to cooperate with the investigation/review, including but not limited to attending meetings, being forthright and honest during the process, and keeping confidential the existence and details of the investigation/review. If a complainant and/or accused refuses to cooperate, the CSU may draw all reasonable inferences and conclusions on the basis of all available evidence and conclude the investigation/review.

C. A student/applicant must proceed with a complaint in good faith. A student/applicant who knowingly and intentionally files a false complaint, abuses this policy, or files a malicious or frivolous complaint may be subject to discipline. Discipline shall be taken in accordance with Section 41301, Title 5, California Code of Regulations. Such disciplinary action shall not be deemed to be retaliation under this executive order.

D. Both the student/applicant and the accused shall have the right to identify witnesses and other evidence for consideration; however, the CSU shall decide which witnesses and evidence are relevant and significant to the issues raised.

E. If the student/applicant, the accused, a witness, the campus investigator/CO designee, or other necessary person involved in the complaint process is unavailable because of any reason deemed to be legitimate by the campus investigator/CO designee, the timelines in this executive order will be automatically adjusted according to the period of absence. The student/applicant will receive written notification of the period of extension.

F. Timelines set forth herein may also be extended by mutual agreement. If the student/applicant does not agree or does not respond to the CSU's request for a timeline extension, the CSU will respond to the complaint/appeal within the timelines set forth in this executive order. In that event, the response will be interim in nature as it will be based upon the information available at the time. The interim response will note that the investigation/review is continuing until the CSU is satisfied its duty to respond appropriately to the allegation(s) has been discharged. The interim response should include a summary of the allegations, a description of the investigative/review process, and should also provide the student/applicant with an anticipated date of completion of the investigation/review, whereupon the final response will be issued.

G. When submitting a complaint or issuing a Level I or II response, personal delivery or certified mail shall be used. If personal delivery is used, a signature acknowledging the calendar date of delivery shall be obtained which will establish the date of filing or response. If certified mail delivery is used, the postmark shall establish the date of response or filing.

H. The CSU is not obligated under this executive order to investigate a complaint not timely filed under its provisions. Regardless, the CSU may investigate the underlying allegations of any discrimination/harassment/retaliation complaint against the CSU and/or a CSU employee if it determines the circumstances warrant investigation. Also, if the circumstances warrant, the CSU may waive the time limits and choose to process the complaint under the complaint process set forth herein.

I. The CSU is committed to academic freedom assuring that all persons may exercise rights of free expression, speech and assembly; however, those rights do not allow any form of unlawful discrimination, harassment or retaliation. More detailed information about academic freedom may be found on the American Association of University Professors website (<http://www.aaup.org/AAUP/issues/AF>).

Attachments: CSU Student/Applicant for Admission Discrimination/Harassment/Retaliation Complaint Form and CSU Student/Applicant for Admission Discrimination/Harassment/Retaliation Complaint Timeline.

## **Attachment No. 1**

**CALIFORNIA STATE UNIVERSITY (CSU) STUDENT/APPLICANT FOR ADMISSION DISCRIMINATION/HARASSMENT/RETALIATION COMPLAINT FORM can be found at this address:**  
<http://www.calstate.edu/eo/EO-1045.pdf>

## **Attachment No. 2**

**CALIFORNIA STATE UNIVERSITY (CSU) STUDENT/APPLICANT FOR ADMISSION DISCRIMINATION/ HARASSMENT/RETALIATION COMPLAINT PROCESS TIMELINE**

Page 1 of 1 Pursuant to Executive Order 1045 a student/applicant for admission (applicant) on any one of the 23 campuses of the California State University may file a complaint related to discrimination, harassment, or retaliation.

- Immediately following a discriminatory, harassing, or retaliatory act/action, or as soon as possible thereafter, students/applicants who believe

they are or may have been victims of discrimination, harassment or retaliation, may initiate the Informal Resolution process to receive information and advice about the procedures that exist for resolving such matters.

- For the purpose of this executive order, day is defined as work day which means Monday through Friday, excluding all official holidays or campus closures at the campus where the complaint originated.
- Within twenty (20) work days after the end of the academic term (semester/quarter), in which the most recent alleged discriminatory/harassing/retaliatory act occurred, a student/applicant may file a formal discrimination/harassment/retaliation complaint.
- Within ten (10) work days of receipt of a formal complaint, an intake interview shall be conducted with the student/applicant.
- Within sixty (60) work days of the initial intake interview of a formal complaint, the investigator shall complete his/her investigation, write and submit the investigative report to the campus designated Management Personnel Plan (MPP) employee responsible for the implementation of, and compliance with, Executive Order 1045. The timeline for the investigation shall not be extended pursuant to Article VIII, Sections E or F of Executive Order 1045 for a period longer than an additional thirty (30) work days.
- Within ten (10) work days of the receipt of the investigative report, the campus designated Management Personnel Plan employee shall review the investigative report and notify the student/applicant in writing of the outcome of the campus investigation. If the same Management Personnel Plan employee is the person who investigated the complaint, he/she shall provide the student/applicant with notification of the outcome of the campus investigation within ten (10) work days of completing the report. A separate notification shall be provided to the accused(s), indicating whether or not the allegations at Formal Level I were substantiated.
- Within ten (10) work days of receipt of the Formal Level I decision, the student/applicant may file a written appeal with the Office of the Chancellor.
- Within sixty (60) work days of receipt of a written appeal to the Office of the Chancellor (CO), the CO designee shall respond to the complainant. A separate notification shall be provided to the accused(s), indicating whether or not the allegations at Formal Level II were substantiated.
- The CSU review of a written complaint filed by a student/applicant under this executive order shall end following a final decision by the CO designee.
- The timelines noted above may be extended for the following reasons:

If the student/applicant, the accused, a witness, the campus investigator/CO designee, or other necessary person involved in the complaint process is unavailable because of any reason deemed to be legitimate by the campus investigator/CO designee, the timelines in this executive order will be automatically adjusted according to the period of absence. The student/applicant will receive written notification of the period of extension.

- Timelines set forth herein may also be extended by mutual agreement. If the student/applicant does not agree or does not respond to the CSU's request for a timeline extension, the CSU will respond to the complaint/appeal within the timelines set forth in this executive order. In that event, the response will be interim in nature as it will be based upon the information available at the time. The interim response will note that the investigation/review is continuing until the CSU is satisfied its duty to respond appropriately to the allegation(s) has been discharged. The interim response should include a summary of the allegations, a description of the investigative/review process, and should also provide the student/applicant with an anticipated date of completion of the investigation/review, whereupon the final response will be issued.

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## Campus Map

   Print this Page

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- [Download Campus Map \(.pdf\) here.](#)

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## Disabled Parking

Parking with CSULA current permit only (includes persons with DMV Placards) on

Circle Drive, Paseo Rancho Castilla, B-Level of the Parking Structure B, all levels of Parking Structures A and C, Lot 4, Lot 6, Lot 7, Lot 7A (residence area), Lot 8, and Lot 10.

## Parking

- Visitors with guest passes: Park in lot designated on the pass.
- Visitors with reservations: check in at parking kiosk for parking in Lot 4.
- Visitors without passes: park in areas with permit dispensers or meters (top level, Parking Structure C; all levels, Parking Structure A; Lot 2; Lot 5; Lot 7).
- NOTE: Permits/passes must be displayed at all times. Questions? Call Parking Administration, (323) 343-3704.

## Navigating King Hall

- King Hall has 4 wings:
  - A - Southwest (nearest to Kennedy Library)
  - B - Southeast (nearest to Engineering and Technology)
  - C - Northeast (nearest to Lot 7)
  - D - Northwest (nearest to Lot 5)
- Rooms in the middle corridor are associated with whatever wing they abut.
- There are 6 floors, B (for Basement) to 5.
- If the room assignment has 3 digits, then the room is in the Basement.
- If the room has 4 digits, then it is on an upper floor.
- Examples: D140 is in the D Wing Basement, and C4069 is in the C Wing Fourth Floor.

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# CAMPUS MAP

## BUILDING

- Administration
- Arena Theatre
- Annenberg, Wallis Integrated Sciences Complex
- Applied Gerontology Center
- Arnold, Anna Bing Children's Center
- Biology
- Career Development Center
- Corporation Yard
- Food Services
- Eagle Sculpture
- Engineering and Technology
- Fine Arts
- Fine Arts Gallery
- Golden Eagle -
  - Bookstore, Conference Center, Food Court
  - Extended Education, Pat Brown Institute
  - Facilities Services-Administrative Office
  - Facilities Planning and Construction
- Greenlee Plaza
- Gymnasium (Eagles Nest)
- Hertzberg-Davis Forensic Science Center
- Housing Complex
- Hydrogen Fuel Station
- Intimate Theatre
- Kennedy Library
- Kennedy Library - John A. Palmer Wing
- King Hall
- King Hall - Lecture Hall I, II, III
- La Kretz Hall
- Los Angeles County High School for the Arts (LACHSA)
- Los Angeles County High School for the Arts (LACHSA)
- Luckman Gallery
- Luckman Theatre
- Marc & Eva Stern Math and Science School
- Music
- Music Hall
- NASA SPACE Lab
- Owens, Jesse Track and Field
- Physical Sciences
- Public Safety/Parking Services
- Reeder Field (Baseball)
- Salazar Hall
- Simpson Tower
- State Playhouse, Music Hall
- Transit Center
- Student Affairs
- Student Health Center
- University Police (Bungalow)
- University-Student Union (U-SU)
- U-SU Plaza
- Welcome Center

## LOCATION

- 8
- 2A
- 27A, 27B
- 15B
- 30
- 13
- 17
- 23
- 5, 6, 15, 40
- 51
- 11
- 9
- 9A
- 6
  
- B
- 10
- 43
- 34, 36
- 48
- 29B
- 7
- 7
- 3
- 3A
- 27A
- 7A
- 20
- 29A
- 29
- 26
- 2
- 1A
- 11A
- 18
- 12
- 46
- 24
- 15A
- 15
- 1
  
- 8A
- 14
- C
- 5
- 51
- 47

- Accessible Parking
- Meter Parking
- Emergency Phone
- Food Services
- ATM



**PARKING:**  
permits/passes must be displayed at ALL TIMES.

- Student Permit**
- Lot 1A - After 5:00 p.m.
  - Lot 2
  - Lot 3 - After 5:30 p.m.
  - Lot 5
  - Lot 7
  - Lot 11
  - Parking Structure A - All levels
  - Parking Structure B - B level after 5:30 p.m., C level
  - Parking Structure C - Blue & Yellow levels

**Guest passes:** park in designated lot or as directed by Information Kiosk or Welcome Center

**Without Passes:** park in areas with permit dispensers or meters (top level parking structure C; all levels Parking Structure A; Lots 2, 5 & 7)

**Disabled parking:** located as shown on map

**Motorcycle/Moped parking:** Lot 6, Lot 10, and Parking Structure B

**Meter parking:** located as shown on map

## Index of Academic Degrees, Certificates and Programs

### A

Discipline	Program	Options
Accountancy	Accountancy, M.S.	Accounting Information Systems Option, MS Financial and Public Accounting Option, MS Managerial and Cost Accounting Option, MS
Accounting	Undergraduate Certificate Program in Accounting Business Administration: Option in Accounting, B.S. Business Administration, M.B.A. Accounting Minor	
Accounting Information Systems	Accountancy, M.S.	
Acute Care Nurse Practitioner	Nursing, M.S. Post Master's Certificate in Acute Care Nurse Practitioner (ACNP): Adult Specialty	Adult Option, MS Pediatric Option, MS
Adapted Physical Education Specialist	Adapted Physical Education Specialist Credential	
Administrative Management	Business Administration: Option in Management, B.S.	
Administrative Services (Preliminary)	Preliminary Administrative Services Credential	
Administrative Services (Professional)	CLEAR Administrative Services Credential	
Adult Nurse Practitioner Specialty	Post Master's Certificate in Adult Nurse Practitioner Specialty (ANP)	
Advanced Information Systems	Graduate Certificate Program in Advanced Information Systems	
African American Studies	African American Studies, B.A. Pan-African Studies Minor	
Alcohol and Drug Problems Specialist	Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems	
Alternative Nutrition	Undergraduate Certificate Program in Alternative Nutrition	
Animation	Art, B.A. Television, Film and Media Studies, B.A.	Animation Option Animation Option
Anthropology	Anthropology, B.A. Anthropology Minor Anthropology, M.A.	General Option, MA Archaeology Option, MA Forensic Option, MA Sociocultural Option, MA
Applied Economics	Economics, B.A.	Applied Economics Option, BA
Applied Behavior Analysis	Counseling, M.S. Psychology, M.S.	Applied Behavior Analysis Option, MS Applied Behavior Analysis Option, MS
Applied Behavior Analysis in Educational Settings	Graduate Certificate Program in Applied Behavior Analysis in Educational Settings	
Applied Gerontology	Applied Gerontology, Undergraduate, Certificate Graduate Certificate Program in Applied Gerontology	
Archaeology	Anthropology, M.A.	Archaeology Option, M.A.
Art	Art, B.A. Art, M.A. Art, M.F.A. Art Minor	Animation Option, BA Art Education Option, BA Art Education Option, MA Art History Option, BA Art History Option, MA Design Option, MA Design Option, MFA Fashion and Textiles Option, BA Graphic Design/Visual Communication Option, BA

		Single Subject Teaching Option, BA Studio Arts Option, BA Studio Arts Option, MA Studio Arts Option, MFA
Art Education	Art, B.A. Art, M.A.	Art Education Option, BA Art Education Option, MA
Art History	Art, B.A. Art, M.A.	Art History Option, BA Art History Option, MA
Asian and Asian American Studies	Asian and Asian American Studies, B.A. Asian Studies Minor	
Athletics	Program/Courses	
Audiology	Clinical-Rehabilitative Services Credential in Audiology Communicative Disorders, M.A.	Audiology Option, MA
Autism	Graduate Certificate Program in Autism Special Education, M.A.	Autism Option, MA
Aviation Administration	Aviation Administration, B.S.	

## B

Discipline	Program	Options
Basic Business	Basic Business Minor	
Behavior Intervention Case Management	Counseling, M.S.	Behavior Intervention Case Management, MS
Bilingual/Multicultural Education in the Elementary Classroom	Education, M.A.	Bilingual/Multicultural Education Option, MA
Biochemistry	Biochemistry, B.S. Chemistry, M.S.	Biochemistry Option, MS
Biology	Graduate Certificate Program in Biotechnology Biology Minor Biology, M.S. Environmental Science, M.S. Post-Baccalaureate Certificate Program for Pre-Health Professionals	Biology Emphasis (Blended), BS Biology Emphasis (Traditional), BS
Biophysics	Physics, B.S.	Biophysics Option, BS
Biotechnology	Graduate Certificate Program in Biotechnology	
Black Studies	African American Studies, B.A.	
Broadcast Journalism	Communication, B.A.	Broadcast Journalism Option, BA
Business Administration	Business Administration, B.S. Undergraduate Certificate Program in Entrepreneurship Undergraduate Certificate Program in International Business Communication Undergraduate Certificate Program in Labor Relations Business Administration, M.B.A. Business Administration, M.S.	Accounting Option, BS Accounting Option, MBA Administrative Management Option, BS Business Arts-Prelegal Option, BS Business Economics Option, BS Business Economics Option, MBA Business Economics and Statistics Option, BS Business Systems Option, BS Entrepreneurship Option, BS Finance Option, BS Finance Option, MS Finance Option, MBA Health Care Management Option, MBA Human Resources Management Option, BS Information Systems Option, MBA Information Technology Option, BS International Business Option, BS International Business Option, MS International Business Option, MBA Management Option, MS Management Option, MBA Management Accounting Option, MBA Marketing Option, BS Marketing Option, MS Marketing Option, MBA Operations Management Option, BS Real Estate Option, BS Retailing Option, BS Special Business Option, BS
Business Arts-Prelegal	Business Administration, B.S.	Business Arts-Prelegal Option, BS

Business Economics	Business Administration, M.B.A.	Business Economics Option, MBA
Business Economics and Statistics	Business Administration, B.S.	Business Economics and Statistics Option, BS
Business Management	Post-Baccalaureate Certificate in Business Management	
Business Systems	Computer Information Systems, B.S.	Business Systems Option, BS

## C

<b>Discipline</b>	<b>Program</b>	<b>Options</b>
California Reading Certificate	California Reading Certificate	
Career Counseling	Graduate Certificate Program in Career Counseling	
Chemistry	Chemistry, B.A. Chemistry, B.S. Biochemistry, B.S. Chemistry, M.S.	Chemistry Emphasis (Blended), BS Chemistry Emphasis (Traditional), BS Biochemistry Option, MS
Central American Studies	Chicano Studies Minor Latin-American Studies Minor	
Chicano Studies	Latin-American Studies, B.A. Central American Studies Minor Chicano Studies Minor Mesoamerican Studies Minor	Option I General Program, BA Option II Elementary Subject Matter Teacher Preparation Option, BA Option III Blended Elementary Subject Matter Teacher Preparation Option, BA Option IV Elementary Subject Matter Teacher Preparation Directed Electives Option, BA
Child Development	Child Development, B.A. Child Development Minor Child Development, M.A.	General Option I, BA Elementary Subject Matter Teacher Preparation Option II, BA
Child Life/Hospitalized Child	Child Development, B.A.	Specialization in Child Development, Option
Child Maltreatment and Family Violence	Undergraduate Certificate Program in Child Maltreatment and Family Violence	
Chinese	Chinese, B.A. Chinese Minor	
Choral Conducting	Music, MM	Choral Conducting Option, MMus
Civil Engineering	Civil Engineering, B.S. Civil Engineering, M.S.	
Classics	Classics Minor	
Clinical Nurse Specialization: Psychiatric/Mental Health	Nursing, M.S.	Clinical Nurse Specialization: Psychiatric/Mental Health Option, MS
Clinical-Rehabilitative Services	Clinical-Rehabilitative Services Credential in Audiology Clinical Rehabilitative Services Credential in Language, Speech, and Hearing	
Commercial Music	Music, MM	Commercial Music Option, MMus
Commercial Transportation	Undergraduate Certificate Program in Commercial Transportation	
Communicative Disorders	Communicative Disorders, M.A. Communicative Disorders, B.A. Clinical-Rehabilitative Services Credential in Audiology Clinical Rehabilitative Services Credential in Language, Speech, and Hearing Undergraduate Certificate Program in School Audiometrist	Audiology Option, MA Speech-Language Pathology Option, MA
Communication Studies	Television, Film and Media Studies, B.A. Communication, B.A. Communication Studies, M.A. Television, Film and Theatre, M.F.A.	Animation Option, BA Television, Film and Media Studies Broadcast Journalism Option, BA Television, Film and Media Studies Telecommunications and Film Option BA, Television, Film and Media Studies Telecommunications and Film Option, MA
Communication	Communication, B.A. Communication Minor Communication Studies, M.A.	Communication for Social Change and Rhetoric Option, BA Performance Studies Option, BA Organizational Communication and Public Relations Option, BA Interpersonal Communication/Language and

		Social Interaction, BA Communication Option, MA
Community Health	Health Science, B.S.	Community Health Option, BS
Community Nutrition	Certificate Program	The School of Kinesiology and Nutritional Science
Comparative Linguistics	Comparative Linguistics Interdisciplinary Minor	
Composition	Music, BMus Music, MM	Composition Option, BMus Composition Option, MMus
Composition, Rhetoric, and Language	English, M.A.	Composition, Rhetoric, and Language Option, MA
Computer Applications in Schools	Graduate Certificate Program in Computer Applications in Schools	
Computer Education and Technology Leadership	Education, M.A.	Computer Education and Technology Leadership Option, MA
Computer Information Systems	Computer Science, M.S. Business Administration, M.B.A.	Executive option (EMSIS) Professional option (PMSIS) Computer Information Systems Option, MBA
Computer Programming	Undergraduate Certificate Program in Computer Programming	
Computer Science	Computer Science, B.S. Computer Information Systems Minor Computer Science, Integrated B.S./M.S. Computer Science, M.S.	
Conducting	Music, BMus	Conducting Option, MMus
Cooperative Education	Courses	
Coordinated Dietetics Program	Nutritional Science, B.S.	Coordinated Dietetics Option, BS
Counseling		
Creative Literacies and Literature in the Elementary Classroom	Education, M.A.	Creative Literacies and Literature in the Elementary Classroom Option, MA
Creative Writing	Creative Writing Minor English, B.A. English, M.A.	Creative Writing Option, BA Creative Writing Option, MA
Credit for Prior Experiential Learning (CPEL)	Courses	
Credential Internships/Programs	Elementary Teaching Multiple Subject Credential Preliminary Administrative Services Credential School Psychology Secondary Teaching Single Subject Credential Education Specialist Credential Programs	Mild/Moderate Disabilities Moderate/Severe Disabilities Physical and Health Impairments Visual Impairment and Blindness
Criminalistics	Criminalistics, M.S.	
Criminal Justice	Criminal Justice, B.S. Criminal Justice, M.S. Criminal Justice Minor Forensic Science Minor	General Option, BS Law Enforcement Option, BS
Critical Thinking (Teaching)	Graduate Certificate Program in Teaching Critical Thinking	
Curriculum and Instruction in the Urban School	Education, M.A.	Curriculum and Instruction in the Urban School Option, MA

## D

Discipline	Program	Options
Dance	Theatre Arts and Dance, B.A.	Dance Option, BA
Design	Art, M.A. Art, M.F.A.	Design, MA Design, MFA
Dietetics	Kinesiology, B.S.	Coordinated Dietetics Program (CDP), BS Option in Nutritional Science Didactic Program in Dietetics (DPD), BS Option in Nutritional Science

## E

Discipline	Program	Options
Early Childhood Education	Education, M.A.	Early Childhood Education Option, MA
Early Childhood Program Administration	Child Development, B.A.	Specialization in Child Development, BA Option 1
Early Childhood Special Education	Early Childhood Special Education: Infancy Emphasis Certificate Early Childhood Special Education: Preschool	Early Childhood Special Education Option, MA

	Emphasis Certificate Education Specialist Credential Programs	
Economics	Economics, B.A. Undergraduate Certificate Program in Labor Relations Economics, M.A. Economics Minor	Applied Economics Option, BA Social and Behavioral Sciences Option BA Financial Economics Option, MA Global Economics Option, MA
Education	Education, M.A. Education Specialist Credential Programs Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL) Teaching English to Speakers of Other Languages (TESOL), M.A.	Computer Education and Technology Leadership Option, MA Educational Foundations Option, MA Elementary Teaching Option, MA Middle and Secondary Curriculum and Instruction Option, MA New Media Design and Production Option, MA Reading Option, MA Research and Evaluation Option, MA
Educational Administration	Doctor of Education Degree in Educational Administration and Leadership Education, M.A.	Educational Leadership Option, MA
Educational Foundations	Education, M.A.	Educational Foundations Option, MA
Educational Leadership	Education, M.A.	Educational Leadership Option, MA
Educational Specialist, Special Education	Education Specialist Credential Programs	
Electrical Engineering	Electrical Engineering, B.S. Electrical Engineering, Integrated B.S. / M.S. Electrical Engineering, M.S.	
Elementary Subject Matter Teacher Preparation Option	Child Development, B.A. Liberal Studies, B.A. Mexican-American Studies, B.A. Urban Learning, B.A.	Elementary Subject Matter Teacher Preparation Option, BA Elementary Subject Matter Teacher Preparation Option, BA Elementary Subject Matter Teacher Preparation Option, BA Elementary Subject Matter Teacher Preparation Option, BA
Elementary Subject Matter Teacher Preparation Option: Directed Electives	Urban Learning, B.A.	
Elementary Teaching	Education, M.A.	Elementary Teaching Option, MA Bilingual/Multicultural Education Option, MA Creative Literacies and Literature in the Elementary Classroom Option, MA Curriculum and Instruction in the Urban Elementary School Option, MA Early Childhood Education concentration Option, MA Mathematics Education Option, MA Science Education Option, MA
Engineering	Engineering with Special Options, B.S.	
English	English, B.A. English, B.A. English Minor Certificate Program in Teaching Writing	Composition, Rhetoric and Language Option, MA Creative Writing Option, BA Creative Writing Option, MA General Option, BA Literature Option, MA Single Subject Teaching Option, BA
English as a Second Language (ESL/EFL)	Graduate Certificate Program in English as a Second or Foreign Language (ESL/EFL)	
Entrepreneurship	Undergraduate Certificate Program in Entrepreneurship Business Administration: Option in Entrepreneurship, B.S.	
Environmental Geoscience	Bachelor of Science Degree in Geology (180 units)	Environmental Geoscience Option, BS
Environmental Health	Health Science, B.S.	Environmental Health Option, BS
Environmental Science	Environmental Science, M.S.	
Exercise and Human Performance	Kinesiology, B.S.	Exercise and Human Performance Option, BS
Exercise Science	Exercise Science, B.S. Kinesiology, M.S.	Exercise Science Option, MS
(Prior) Experiential Learning, Credit for (CPEL)	Courses	

## F

Discipline	Program	Options
Facilitating Behavior Change	Special Education, M.A.	Facilitating Behavior Change Option, MA
Family Nurse Practitioner	Post Master's Certificate in Family Nurse Practitioner (FNP)	
Fashion and Textiles	Art, B.A.	Fashion and Textiles Option, BA
Fashion Design	Undergraduate Certificate Program in Fashion Design	
Fashion Merchandising	Undergraduate Certificate Program in Fashion Merchandising	
Finance	Business Administration: Option in Finance, B.S. Undergraduate Certificate Program in Finance Business Administration: Option in Finance, M.S. Finance Minor Business Administration, M.B.A.	Finance Option, MBA
Financial and Public Accounting	Accountancy, M.S.	Financial and Public Accounting Option, MS
Financial Economics	Economics, M.A.	Financial Economics Option, MA
Fire Protection Administration and Technology	Fire Protection Administration and Technology, B.S.	
Fire Protection Risk Analysis and Reduction	Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction	
Fire Service Administration	Undergraduate Certificate Program in Fire Service Administration	
Food Science and Technology	Food Science and Technology, B.S.	
Food Safety Certificate	Food Safety Certificate	
Food Science Certificate	Food Science Certificate	
Forensic Anthropology	Anthropology, M.A.	Forensic Anthropology Option, MA
Forensic Science	Forensic Science Minor	
French	French, B.A. French, M.A. French Minor	General Option, BA Single Subject Matter Preparation Option, BA Single Subject Credential Program

## G

Discipline	Program	Options
General Anthropology	Anthropology, M.A.	General Anthropology Option, MA
General Management	Undergraduate Certificate Program in General Management	
General Political Science	Political Science General Minor	
Geography	Geography, B.A. Undergraduate Certificate Program in Geographic Information Systems Geography, M.A. Geography Minor	General Option, BA GIS (Geographic Information Systems) Option, BA Urban Analysis Option, MA
Geology	Bachelor of Science Degree in Geology (180 units) Geology Sciences Minor Geological Sciences, M.S.	General Option, BA
Geoscience	Natural Science, B.S.	Geoscience Emphasis (Blended), BS Geoscience Emphasis (Traditional ), BS
Gerontology (Applied)	Undergraduate Certificate Program in Applied Gerontology	
Gerontology (Social)	Social Gerontology Minor	
Gifted Education	Special Education, M.A.	Gifted Education Option, MA
Global Economics	Economics, M.A.	Global Economics Option, MA
Global Politics	Political Science Global Politics Minor	
Graphic Communications	Graphic Communications, B.S.	
Graphic Design	Art, B.A.	Graphic Design/Visual Communication Option, BA

## H

Discipline	Program	Options
Health Care Management	Health Care Management, M.S.	Health Care Management Option, MBA

	Business Administration, M.B.A. The Post-Baccalaureate Certificate in Health Care Management	
Health Science	Health Science, B.S. Health Science Minor Health Science, M.A. Single Subject Credential in Science	
Health Services	Health Services Credential: School Nurse Services	
History	History, B.A. History Teaching Credential Program History, M.A. History Minor Labor and Working Class Studies Minor Religious Studies Minor	General Option, BA Teacher Preparation Option, BA
Human Resources Management	Business Administration: Option in Human Resources Management, B.S. Undergraduate Certificate Program in Human Resource Management	

## I

Discipline	Program	Options
Industrial and Technology Education	Industrial Technology, B.S.	Single Subject Credential Program, BS
Industrial and Technical Studies	Industrial and Technical Studies, M.A.	
Industrial Studies	Industrial Studies Minor	
Industrial Technology	Industrial Technology, B.S. Aviation Administration, B.S. Undergraduate Certificate Program in Fire Protection Risk Analysis and Reduction Undergraduate Certificate Program in Fire Service Administration	
Information Systems	Information Systems, M.S.	
Information Technology	Computer Information Systems, B.S. Computer Information Systems Minor	Information Technology Option, BS
Instrumental Conducting	Music, MM	Instrumental Conducting Option, MMus
Instrumental Performance	Music, BMus	Instrumental Performance Option, BMus
Intercollegiate Athletics	Programs/Courses	
Intercultural Proficiency Program	Undergraduate Certificate Program in Intercultural Proficiency	
Interdisciplinary Studies	MA , MS	University Programs
International Business	Undergraduate Certificate Program in International Business Undergraduate Certificate Program in International Business Communication Business Administration, B.S. Business Administration, M.S. Business Administration, M.B.A.	International Business Option, BS International Business Option, MS International Business Option, MBA
International Business Communication	Undergraduate Certificate Program in International Business Communication	
International Economic Relations	Undergraduate Certificate Program in International Economic Relations	

## J

Discipline	Program	Options
Japanese	Japanese, B.A. Japanese Minor Secondary Teaching Single Subject Credential	
Jazz Studies	Music, BMus	Jazz Studies Option, BMus

## K

Discipline	Program	Options
Keyboard Performance	Music, BMus	Keyboard Performance Option, BMus
Kinesiology	Kinesiology, B.S. Adapted Physical Education Specialist	Option I: Exercise and Human Performance Science, BS



	Credential Exercise Science, B.S. Kinesiology, M.S.	Option II: Rehabilitation and Therapeutic Exercise, BS Option III: Community Leadership, BS Option IV: Subject Matter Preparation for Single Subject Teaching Credential Option I: Exercise Science, MS Option II: Physical Education Instruction, MS Option III: Community Leadership, MS
Korean	Modern Languages and Literatures Credential Program	

## L

Discipline	Program	Options
Labor Relations	Undergraduate Certificate Program in Labor Relations	
Labor and Working Class Studies	Labor and Working Class Studies Minor	
Language, Speech and Hearing	Clinical Rehabilitative Services Credential in Language, Speech, and Hearing	
Latin American Studies	Latin-American Studies, B.A. Latin American Studies, M.A. Central American Studies Minor Latin-American Studies Minor	
Law Enforcement	Criminal Justice, B.S.	Law Enforcement Option, BS
Liberal Studies	Liberal Studies, B.A. Science, Technology, and Medicine Studies Minor Women's and Gender Studies Minor Undergraduate Certificate Program in Women, Genders, and Sexualities	Option I: Interdisciplinary Studies in Culture and Society, BA Option II: Elementary Subject Matter Teacher Preparation, BA Option III: Blended Elementary Subject Matter Teacher Preparation, BA Option IV: Elementary Subject Matter Teacher Preparation: Directed Electives, BA
Literature	English, M.A.	Literature Option, MA

## M

Discipline	Program	Options
Management	Business Administration: Option in Management, B.S. Business Administration: Option in Management, M.S. Business Administration, M.B.A. Management Minor Undergraduate Certificate Program in General Management The Post-Baccalaureate Certificate in Health Care Management	Management Option, MBA
Managerial and Cost Accounting	Accountancy, M.S.	Managerial and Cost Accounting Option, MS
Manufacturing Engineering	Engineering with Special Options, B.S.	Manufacturing Engineering Option, BS
Marketing	Undergraduate Certificate Program in Marketing  Undergraduate Certificate Program in International Business Business Administration, B.S. Business Administration: Option in Marketing, M.S. Business Administration, M.B.A.	Marketing Option, BS Marketing Option, MBA
Marketing Management	Business Administration: Option in Marketing Management, B.S.	
Marriage, Family and Child Counseling	Counseling, M.S.	Marriage, Family and Child Counseling Option, MS
Marriage Family Therapy	Psychology, M.S.	Marriage Family Therapy Option, MS
Master of Business Administration (MBA)	Business Administration, M.B.A.	
Master of Fine Arts (MFA) in Art	Art, M.F.A.	
Master of Music (MMus)	Music, MM	
Master of Social Work (MSW)	Social Work, MSW	
Mathematics	Mathematics, B.A. Mathematics, B.S.	Applied Mathematics Option, BS Applied Mathematics Option, MS

	Mathematics Minor Mathematics, M.S.	General Mathematics Option, MS Pure Mathematics Option, MA Single Subject Teaching Blended Option, BA Single Subject Teaching Option, BA Single Subject Teaching Option, BS
Mathematics Education in Elementary Classroom	Education: Option in Mathematics Education in the Elementary Classroom, M.A.	
Mechanical Engineering	Mechanical Engineering, B.S. Mechanical Engineering, Integrated B.S./M.S. Mechanical Engineering, M.S.	
Mesoamerican Studies	Mesoamerican Studies Minor	
Mexican-American Studies	Mexican-American Studies, B.A. Central American Studies Minor Chicano Studies Minor Mesoamerican Studies Minor Mexican-American Studies, M.A.	Option I: General Program, BA Option II: Elementary Subject Matter Teacher Preparation, BA Option III: Blended Elementary Subject Matter Teacher Preparation, BA Option IV: Elementary Subject Matter Teacher Preparation, Directed Electives, BA
Microbiology	Microbiology, B.S. Microbiology Minor	
Middle and Secondary Curriculum and Instruction	Education, M.A.	Option MA, Areas of Concentration: Reform in Middle and Secondary Urban Schools Cross-cultural Language and academic development Content area specialization Language arts/literacy Mathematics/science pedagogy Instructional Technology
Mild/Moderate Disabilities	Special Education, M.A.	Mild/Moderate Disabilities Option, MA
Moderate/Severe Disabilities	Special Education, M.A.	Moderate/Severe Disabilities Option, MA
Multicultural/ Multilingual Special Education	Special Education, M.A.	Multicultural/ Multilingual Special Education Option, MA
Multimedia	Interdisciplinary Studies Minor in Multimedia	
Music	Music, B.A. Music, BMus Music, M.A. Music, MM Music Minor Music Credential Program	Conducting Option III, MMus Commercial Music Option II, MMus Composition Option I, BMus Composition Option I, MMus General Option I, MA Instrumental Conducting Option III, MMus Instrumental Performance Option IV, BMus Instrumental Performance Option IV, MMus Jazz Studies Option II, BMus Keyboard Performance Option V, BMus Keyboard Performance Option, IV, MMus Music Education Option VI, BMus Music Education Option II, MA Musicology Option III, MA Performance Option IV, MMus Vocal Performance Option III BMus Vocal Performance Option IV, MMus
Music Education	Music, M.A.	Music Education Option III, MA
Musicology	Music, M.A.	Musicology Option III, MA

## N

Discipline	Program	Options
Natural Science	Natural Science, B.S.	Traditional Option, BS Biology Emphasis, BS (Traditional) Chemistry Emphasis, BS (Traditional) Geoscience Emphasis, BS (Traditional) Physics Emphasis, BS (Traditional) Biology Emphasis, BS (Blended)
Natural Science	Natural Science, B.S. Natural Science Subject Matter Program	Chemistry Emphasis, BS (Blended) Geoscience Emphasis, BS (Blended) Physics Emphasis, BS (Blended)
New Media Design and Production	Education: Option in New Media Design and Production, M.A. (suspended program)	

Nursing	Nursing, B.S. Nursing, M.S. Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality	Acute Care Nurse Practitioner: Adult Option, MS Clinical Nurse Specialization: Psychiatric/Mental Health Option, MS Nursing Administration Option, MS Nursing Education Option, MS Nurse Practitioner: Adult Option, MS Nurse Practitioner: Family Option, MS Nurse Practitioner: Pediatric Option, MS Nurse Practitioner: Psychiatric/Mental Health Option, MS Nurse Practitioner: School Health Option, MS
Nursing Education	Post Master's Certificate in Nursing Education	
Nutritional Science	Nutritional Science, B.S. Food Science and Technology, B.S. Nutritional Science, M.S. Undergraduate Certificate Program in Alternative Nutrition Certificate Program: Community Nutrition Food Safety Certificate Food Science Certificate Undergraduate Certificate Program in Sports Nutrition	Coordinated Dietetics Program Option (CDP), BS Didactic Program in Dietetics Option (DPD), BS Nutrition Option, BS

## O

Discipline	Program	Options
Operations Management	Undergraduate Certificate Program in Operations Management Business Administration: Option in Operations Management, B.S.	
Oral Health	Health Science, B.S.	Oral Health Option, BS
Orientation and Mobility	Special Education, M.A.	Clinical-Rehabilitative Services Credential in Visual Impairment and Blindness: Orientation and Mobility Visual Impairment and Blindness: Orientation and Mobility Option, MA

## P

Discipline	Program	Options
Pan-African Studies	Pan-African Studies Minor	
Parenting	Child Development, B.A.	Parenting Option, BA
Pediatric Acute Care Nurse Practitioner (ACNP)	Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality	
Pediatric Nurse Practitioner Specialty	Post Master's Certificate in Pediatric Nurse Practitioner (PNP) Speciality	
Philosophy	Philosophy, B.A. Classics Minor Philosophy, M.A. Philosophy General Minor Philosophy Prelaw Minor Graduate Certificate Program in Teaching Critical Thinking	General Option, BA Prelaw Option, BA
Physical and Health Impairments	Special Education, M.A.	Physical and Health Impairments Option, MA
Physical Education	Adapted Physical Education Specialist Credential	
Physics	Physics, B.A. Physics, B.S. Physics Minor Physics Minor	Biophysics Option, BS Physics Emphasis (Blended), BS Physics Emphasis (Traditional), BS Course Option, MS Research Option, MS
Political Science	Political Science, B.A. Political Science General Minor Political Science Global Politics Minor Political Science, M.A. Political Science Prelegal Studies Minor Political Science Public Administration Minor Public Administration, M.S.	General Political Science Option, BA Global Politics Option, BA Prelegal Studies Option, BA Fast Track Option for International Executives, MS Public Administration Option, BA

Prelaw	Political Science Prelegal Studies Minor Philosophy, B.A.	Prelaw Option, BA
Prelegal	Political Science, B.A. Business Administration, B.S.	Prelegal Option, BA Prelegal Option, BS
Preliminary Administrative Services	Preliminary Administrative Services Credential	
Prior Experiential Learning, Credit for (CPEL)	Courses	
Professional Administrative Services	CLEAR Administrative Services Credential	
Psychiatric/Mental Health Nurse Practitioner (P/MHNP)	Post Master's Certificate in Nurse Practitioner: Psychiatric/Mental Health	
Psychology	Psychology, B.A. Psychology, M.A. Psychology, M.S. Psychology Minor	Applied Behavior Analysis Option, MS Forensic Psychology Option, MS General Option, MS Marriage Family Therapy Option, MS
Public Administration	Political Science Public Administration Minor Public Administration, M.S. Political Science, B.A.	Fast Tract Option for International Executives, MS Public Administration Option, BA
Pupil Personnel Services	Pupil Personnel Services Credential	

## R

Discipline	Program	Options
Reading	Education, M.A.	Reading Option, MA
Reading, California	California Reading Certificate	
Reading and Language Arts Specialist	Reading and Language Arts Specialist Credential	
Real Estate	Business Administration, B.S.	Real Estate Option, BS
Rehabilitation Services	Rehabilitation Services, B.S. Rehabilitation Services Minor	
Rehabilitation Counseling	Counseling, M.S.	Rehabilitation Counseling Option, MS
Religious Studies	Religious Studies Minor	
Research and Evaluation	Education, M.A.	Research and Evaluation Option, MA
Retail Professional Development	Undergraduate Certificate Program in Retail Professional Development	
Retailing	Business Administration, B.S.	Retailing Option, BS

## S

Discipline	Program	Options
School Audiometrist	Undergraduate Certificate Program in School Audiometrist	
School-Based Family Counseling	Counseling, M.S.	School-Based Family Counseling Option, MS
School Counseling Leadership	Counseling, M.S.	School Counseling Leadership Option, MS
School Health	Nursing, M.S.	School Health Option, MS
School Nurse	Health Services Credential: School Nurse Services	
School Psychology	Counseling, M.S.	School Psychology Option, MS
School Psychology Internship	Counseling, M.S.	School Psychology Internship Credential
Science Education in the Elementary Classroom	Education: Option in Science Education, M.A.	
Secondary Teaching		
Single Subject	Single Subject Credential in Secondary Teaching	
Single Subject Teaching		
Social and Behavioral Sciences	Economics, B.A.	Social and Behavioral Sciences Option, BA
Social Gerontology	Social Gerontology Minor	
Social Science	History, B.A.	Social Science Single Subject Teaching Credential, BA
Social Work	Social Work, B.A. Social Work, MSW	
Sociocultural Anthropology	Anthropology, M.A.	Sociocultural Anthropology Option, MA
Sociology	Sociology, B.A. Sociology, M.A. Law and Society Minor Social Gerontology Minor Sociology Minor	General Sociology Option, BA Inequalities and Diversity Option, BA Law and Society Option, BA
Spanish	Spanish, B.A.	General Option, BA

	Spanish, M.A. Spanish Minor	Creative Writing in Spanish Option, BA Single-Subject Matter Preparation Program Option Single Subject Credential Program
Special Business	Business Administration, B.S.	Special Business Option, BS
Special Education		
Education Specialist Credentials	Education Specialist Credential Programs	Early Childhood Special Education Specialist Credential Mild/Moderate Disabilities Education Specialist Credential Moderate/Severe Disabilities Education Specialist Credential Physical and Health Impairments Education Specialist Credential Visual Impairments and Blindness Education Specialist Credential
Specialist in Alcohol and Drug Problems	Undergraduate Certificate Program in Specialist in Alcohol and Drug Problems	
Speech-Language Pathology	Communicative Disorders, M.A.	Speech-Language Pathology Option, MA
Sports Nutrition Certificate	Undergraduate Certificate Program in Sports Nutrition	
Storytelling	Graduate Certificate Program in Storytelling	
Studio Arts	Art, B.A. Art, M.A. Art, M.F.A.	Studio Arts Option, BA Studio Arts Option, MA Studio Arts Option, MFA
Supplementary Authorizations		

## T

Discipline	Program	Options
Technology, and Industrial Education	Industrial Technology Credential Program	
Technology, Industrial	Industrial Technology, B.S. Aviation Administration, B.S.	
Teaching Critical Thinking	Graduate Certificate Program in Teaching Critical Thinking	
Teaching English to Speakers of Other Languages (TESOL)	Teaching English to Speakers of Other Languages (TESOL), M.A.	
Teaching Writing	Certificate Program in Teaching Writing	
Telecommunications and Film	Communication, B.A. Communication Studies, M.A.	Telecommunications and Film Option, BA Telecommunications and Film Option, MA
Television, Film and Media Studies	Television, Film and Media Studies, B.A. Television, Film and Theatre, M.F.A.	Animation Option, BA Broadcast Journalism Option, BA Telecommunications and Film Option, BA
Theatre Arts	Theatre Arts and Dance, B.A. Theatre Arts, M.A. Television, Film and Theatre, M.F.A.	
Theatre Arts and Dance	Theatre Arts and Dance, B.A. Theatre Arts and Dance Minor Theatre Arts and Dance Credential Program	
Transition Specialist	Early Childhood Special Education: Transition Specialist Certificate	
Transition Studies	Special Education, M.A.	Transition Studies Option, MA
Transportation (Commercial)	Undergraduate Certificate Program in Commercial Transportation	

## U

Discipline	Program	Options
University Courses	Courses	
Urban Learning	Urban Learning, B.A. Elementary Subject Matter Teacher Preparation Common Core	

## V

Discipline	Program	Options
Visual Impairment and Blindness: Orientation and Mobility	Special Education, M.A.	Orientation and Mobility Option, MA

Visual Impairment and Blindness: Teacher Education	Special Education, M.A.	Teacher Education Option, MA
Visual Impairments and Blindness	Education Specialist Credential Programs	
Vocal Performance	Music, BMus Music, MM	Option III, BMus Option IV, MMus

## W

Discipline	Program	Options
Women's and Gender Studies	Women's and Gender Studies Minor	
Women, Genders, and Sexualities, Study of	Undergraduate Certificate Program in Women, Genders, and Sexualities	

## Y

Discipline	Program	Options
Youth Agency Administration	Child Development, B.A. Undergraduate Certificate Program in Youth Agency Administration	Specialization in Child Development, Option I