

*BULLETIN*  
~~General Catalog~~

1951-52

College of Applied Arts and Sciences

L. A. STATE

Los Angeles State





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# LOS ANGELES STATE COLLEGE OF APPLIED ARTS AND SCIENCES BULLETIN

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VOLUME V

June, 1951

NUMBER 1

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## CIRCULAR OF INFORMATION AND ANNOUNCEMENT OF COURSES

FALL AND SPRING SEMESTERS

1951-1952

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855 North Vermont Avenue, Los Angeles 29, California





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# COLLEGE CALENDAR

## FALL SEMESTER 1951-52

- August 20, 1951-----Deadline for application for all entering students for the fall semester. In order to assure admission, applicants should file at the earliest possible date with the Admissions Office. Applications received after this date may not be evaluated in time to permit registration.
- September 17-21-----Orientation and registration week. All new students must keep scheduled appointments. Counseling will be available during this week.
- September 19, 20-----Registration and payment of fees for students taking late  
4 p.m. to 8 p.m.          afternoon and evening classes. (For students taking only evening classes.)
- September 20, 21-----Registration for students taking day classes.  
9 a.m. to 3 p.m.
- September 24-----Instruction begins. Late registration fee becomes effective.
- September 28, 3 p.m.---Last day to register.
- October 5-----Last day to add classes to Official Study List. Applications for graduation in February, 1952, are due.
- November 2-----Last day to withdraw from class without risk of "F" grade.
- November 22, 23-----Thanksgiving holidays.
- December 14-----Application for graduation in June, 1952, due.
- December 19-January 1---Christmas holidays.
- January 2, 1952-----Classes resume.
- January 24-30, 1952---Semester examinations.
- February 1, 1952-----Fall semester ends.

## SPRING SEMESTER 1952

- January 2, 1952-----Applications for admission to spring semester due. Applications received after this date may not be evaluated in time to permit registration for spring semester.
- February 4, 5, 6, 1952---Orientation and counseling for all new students.
- February 6, 7, 1952-----Registration for evening students, 4 p.m. to 8 p.m.
- February 7, 8, 1952-----Registration for day students, 9 a.m. to 3 p.m.
- February 8, 1952-----Last day to register without late fee, 3 p.m.
- February 11, 1952-----Instruction begins. Late registration fee becomes effective.
- February 15, 1952-----Last day to register.
- February 12, 1952-----Lincoln's Birthday (legal holiday).
- February 22, 1952-----Washington's Birthday (legal holiday).
- February 23, 1952-----Last day to add classes to official study list. Application for June or summer graduation due.
- March 22, 1952-----Last day to withdraw from class without risk of "F" grade.
- April 7-11, 1952-----Easter vacation.
- May 30, 1952-----Memorial Day (legal holiday).
- June 12-18, 1952-----Semester examinations.
- June 20, 1952-----Spring semester ends.



## ADMINISTRATION

### STATE DEPARTMENT OF EDUCATION

Roy E. Simpson ..... Superintendent of Public Instruction and  
 State Director of Education  
 Aubrey A. Douglass ..... Associate Superintendent of Public Instruction ;  
 Chief, Division of State Colleges and Teacher Education  
 Joel A. Burkman ..... Assistant Chief, Division of State Colleges and Teacher Education

### STATE BOARD OF EDUCATION

	<i>Term expires January 15</i>
William L. Blair, President, Pasadena .....	1952
Raymond J. Arata, San Francisco .....	1954
Byron H. Atkinson, Glendale .....	1953
Mrs. E. T. Hale, San Diego .....	1954
Gilbert H. Jertberg, Fresno .....	1955
Joseph Loeb, Los Angeles .....	1955
Max Osslo, San Diego .....	1955
Mrs. Vivian N. Parks, Richmond .....	1954
Wilber D. Simons, Redding .....	1955
Mrs. Margaret H. Strong, Palo Alto .....	1952
Roy E. Simpson, Secretary and Executive Officer	

### LOS ANGELES STATE COLLEGE ADVISORY BOARD

The advisory board of the college consists of seven members, all of whom are residents of Los Angeles County and three of whom are members of the City Board of Education of Los Angeles. The members, plus two to be appointed, are:

J. Paul Elliott	Mrs. Valley Knudsen
William G. Paul	E. McClelland Stuart
Leonard K. Firestone	
Howard S. McDonald, <i>President of College</i>	

## COLLEGE ADMINISTRATION AND STAFF

Howard S. McDonald	President
Norma Lombroso	Executive Secretary
Chester R. Milham	Vice President
Helen Arnold	Secretary
Morton J. Renshaw	Dean of Student Personnel
Shirley Long	Secretary
John A. Morton	Dean of Instruction
Edward J. Neale	Curriculum Evaluator
Jensine Phillips	Secretary
Kenneth M. Kerans	Dean of Administration
Mrs. Maude G. Bunker	Secretary
Gerald Prindiville	Director of Educational Services, Summer Session
Ethel Robertson	Evening Division Secretary
Verona Ebe	Summer Session Secretary
Christine Converse	Receptionist
Floyd R. Eastwood	Dean of Men
Eugenia C. Loder	Dean of Women
Betty P. Kolberg	Secretary
Homer D. Fetty	Coordinator of the Work-Study Program
D. Eugene Kinnett	Assistant
Mary Anna Nuban	Secretary
Elliott W. Guild	Coordinator of Training for Government Service
Rose Marie Arnold	Secretary
Elaine V. Fritz	Placement Secretary
	Secretary
William H. Bright	Graduate Manager
Margaret Mitchell	Secretary
Adam E. Diehl	Director of Audio-Visual and Curriculum Adviser
Kirako Kawanami	Secretary
Irvin Borders	Publications Manager
Robert J. Williams	Admissions Officer and Registrar
Toni Siamis	Supervising Clerk
Joyce White	Graduation Clerk
Charline Barnard, Aljean Borer, Patricia Foley, Lois Harris, Lenore Laymon, Janet Simmons, Sumi Nerio	Assistants
Mildred Greenwood, Florence Salmon	Information Clerks
Beverley Caverhill	College Librarian
Marjorie B. Gardner	Circulation Librarian
Clare M. Hegele	Order Librarian
Dorothy G. Armstrong	Catalog Librarian
Alberta Ehrenwerth, Deena Hart, Rhoda Kantor	Clerks
Warner K. Masters	Comptroller
Jack Hepe	Accounting Officer
Marie Lemly	Chief Bookkeeper
Arline Snyder, Mary S. Tidwell	Personnel and Payroll
Ann Farrell	Cashier-Receptionist
Angelina Epihin, Elsie Hawkins	Accounting Clerks
Robert Field, Sue Isenhower	Property and Receiving
Health Office	
Freda Haffner, M.D., Hyman Simmonds, M.D., William Wanamaker, M.D.	Doctors
Ruth Eldred, R.N., P.H.N., Mary A. Reeves, R.N.	Nurses
Carol Pendleton	Secretary



## Administrative Offices

Ottile Hecker, Sidney Klissner, Patricia Rice,  
 Shirley Seery, Dorothy Schwartz, Velma Tetzlaff..... Secretaries

## CHAIRMEN OF THE DIVISIONS

Division of Applied Science.....  
 Division of Business and Economics..... Floyd R. O. Simpson  
 Division of Education..... Delmar T. Oviatt  
 Division of Fine Art.....  
 Division of Health, Physical Education, Recreation, and Athletics..... Ferron C. Losee  
 Division of Language and Literature..... Clarence K. Sandelin  
 Division of Natural Science..... Dean A. Anderson  
 Division of Social Science..... Raymond A. Rydell

## CHAIRMEN OF THE STANDING COMMITTEES

President's Council..... Howard S. McDonald  
 Curriculum..... Chester R. Milham  
 Directed Teaching..... Delmar T. Oviatt  
 Graduate Study.....  
 Rank and Promotion..... John A. Morton  
 Scholarship and Loan..... Floyd R. Eastwood  
 Special Observances..... Carol J. Smallenburg  
 Student Petitions..... Robert J. Williams  
 Student Services..... Morton J. Renshaw  
 U. S. History and Constitution..... Raymond A. Rydell  
 Work-Study..... Homer D. Petty

## LIST OF FACULTY—1951-52

- Howard S. McDonald (1949) \_\_\_\_\_ President  
 B.S., 1921, Utah State Agricultural College; M.A., 1925, Ed.D., 1949, University of California.
- Leonard L. Adams \_\_\_\_\_ Lecturer in Physical Education  
 B.S., 1942, Drake University; graduate study, University of Southern California.
- Daniel A. Amneus (1950) \_\_\_\_\_ Assistant Professor of English  
 B.A., 1941, University of California; M.S., 1947, University of Southern California; additional graduate study, University of Southern California.
- Dean A. Anderson (1950) \_\_\_\_\_ Professor of Biological Science  
 B.S., 1929, Brigham Young University; M.S., 1930, Ph.D., 1932, Iowa State College; additional graduate study, Iowa State College, Stanford University.
- Dorothy Gertrude Armstrong (1951) \_\_\_\_\_ Catalog Librarian  
 B.J., 1926, University of Missouri; B.A.L.S., 1941, University of Oklahoma.
- Ebba M. Aronson (1949) \_\_\_\_\_ Assistant Professor of Education  
 B.S., 1940, M.A., 1940, Columbia University; additional graduate study, University of California, University of Southern California.
- Harold H. Aschmann \_\_\_\_\_ Assistant Professor of Geography  
 B.A., 1940, M.A., 1942, University of California; additional graduate study, University of California.
- Harry P. Bailey (1950) \_\_\_\_\_ Associate Professor of Geography  
 B.A., 1939, M.A., 1942, Ph.D., 1950, University of California at Los Angeles.
- Francis H. Baxter (1950) \_\_\_\_\_ Assistant Professor of Music  
 B.M., 1935, University of Wichita; M.M., 1940, Northwestern University.
- Eugene Benedetti (1950) \_\_\_\_\_ Assistant Professor of Education  
 B.A., 1935, University of California at Los Angeles; M.S., 1942, University of Southern California; Ed.D., 1950, University of Southern California.
- Raymond E. Bernberg (1949) \_\_\_\_\_ Assistant Professor of Psychology  
 B.A., 1948, M.A., 1949, Ph.D., 1950, University of California at Los Angeles.
- A. LeRoy Bishop (1950) \_\_\_\_\_ Professor of Education  
 B.S., 1935, Utah State Agricultural College; M.S., 1940, University of Southern California; Ed.D., 1946, Colorado State College of Education.
- Thompson Black, Jr. (1949) \_\_\_\_\_ Assistant Professor of Government  
 B.S., 1933, United States Naval Academy; M.A., 1949, University of California at Los Angeles; additional graduate study, University of California at Los Angeles.
- Florence M. Bonhard (1949) \_\_\_\_\_ Associate Professor of Foreign Language  
 B.A., 1921, Stanford University; M.A., 1927, Columbia University; Ph.D., 1946, University of Southern California; additional graduate study, University of Mexico, University of Madrid, University of Paris, University of Southern California.
- Rebecca C. Bosworth (1949) \_\_\_\_\_ Chairman of Nursing Department  
 B.S., 1931, University of California at Los Angeles; R.N. (California), M.S., 1936, University of Southern California.
- William H. Bright (1950) \_\_\_\_\_ Assistant Professor of Business Education  
 B.A., 1949, Los Angeles State College; M.B.A., 1950, University of California at Los Angeles.
- Frances Cake (1950) \_\_\_\_\_ Associate Professor of Physical Education  
 B.A., 1930, University of Richmond; M.S., 1941, Wellesley College; Ph.D., 1949, University of Southern California.
- Robert C. Catren (1949) \_\_\_\_\_ Associate Professor of History  
 B.A., 1938, M.A., 1942, University of Southern California; additional graduate study, University of Southern California.
- Beverly S. S. Caverhill (1950) \_\_\_\_\_ Librarian  
 B.A., 1935, M.A., 1938, University of Oregon; Certificate in Librarianship, 1942, University of California; additional graduate study, Johns Hopkins University, University of California at Los Angeles, University of Southern California.



- Russell L. Chrysler (1950)-----Associate Professor of Business Administration  
B.B.A., 1932, M.B.A., 1937, University of Minnesota; additional graduate study,  
Northwestern University.
- Grant O. Cook (1948)-----Associate Professor of Music  
B.A., 1937, University of Utah; M.A., 1941, Ed.D., 1944, Columbia University;  
additional graduate study, University of Southern California, University of Cali-  
fornia at Los Angeles.
- Maurice Dance (1950)-----Assistant Professor of Economics  
B.A., 1947, University of Washington; M.S., 1949, University of Wisconsin;  
additional graduate study, University of Wisconsin.
- William E. Daywalt (1948)-----Professor of Art  
B.E., 1940, M.A., 1944, Ed.D., 1949, University of California at Los Angeles;  
additional graduate study, University of California.
- Louis C. DeArmond (1950)-----Assistant Professor of History  
B.A., 1940, M.A., 1947, Ph.D., 1950, University of California.
- Cameron Scott Deeds (1951)-----Assistant Professor of Physical Education  
B.S., 1949, Brigham Young University; M.S., 1951, University of Southern Cali-  
fornia; additional graduate study, University of Southern California.
- Solomon Diamond (1949)-----Associate Professor of Psychology  
B.S., 1927, M.A., 1928, New York University; Ph.D., 1936, Columbia University.
- Harold T. Diehl (1950)-----Assistant Professor of Sociology  
B.A., 1933, M.A., 1935, University of Missouri; Ph.D., 1950, University of South-  
ern California; additional graduate study, University of Chicago.
- George W. Duncan (1950)-----Associate Professor of Engineering  
B.S., 1913, Massachusetts Institute of Technology; M.S., 1933, University of  
Southern California.
- Robert W. Durrenberger (1950)-----Assistant Professor of Geography  
B.S., 1940, Moorhead State Teachers' College; M.S., 1949, University of Wiscon-  
sin; additional graduate study, University of California at Los Angeles.
- Floyd R. Eastwood (1948)-----Professor of Physical Education  
B.P.E., 1922, Springfield College; M. A., 1924, Clark University; Ph.D., 1936,  
New York University.
- Alfred Ehrhardt (1950)-----Associate Professor of English  
B.A., 1930, Holy Cross College; M.S., 1948, Ed.D., 1950, University of Southern  
California.
- Ruth Eldred (1950)-----College Nurse  
R.N., 1947, New York; P.H.N., University of California at Los Angeles.
- Saxon C. Elliot (1950)-----Lecturer of Physical Education  
B.S., 1934, M.S., 1949, University of Southern California.
- Homer D. Fetty (1950)-----Coordinator of Business and Industrial Education  
B.A., 1935, University of California at Los Angeles; M.S., 1939, Ed.D., 1951,  
University of Southern California.
- John E. Firman (1949)-----Assistant Professor of Education  
B.A., 1934, University of Buffalo; M.S., 1941, University of Southern California;  
additional graduate study, Claremont College, University of Southern California.
- Howard A. Fleming (1949)-----Assistant Professor of History  
B.A., 1947, University of California at Los Angeles; graduate study at University  
of California at Los Angeles.
- Joseph B. Ford (1950)-----Assistant Professor of Sociology  
B.A., 1937, University of California at Los Angeles; M.A., 1941, University of  
Southern California; M.A., 1947, Harvard University; Ph.D., 1951, University  
of California.
- George N. Francis (1949)-----Assistant Professor of Business Administration  
B.A., 1941, B.S., 1942, University of Southern California; graduate study, Uni-  
versity of Southern California. Certified Public Accountant, 1948, California.
- Elaine V. Fritz (1950)-----Placement Secretary  
B.A., 1944, M.A., 1945, University of Cincinnati.
- Louis G. Gardemal (1950)-----Assistant Professor of Radio and Television  
B.S.C., 1940, St. Edward's University; Ph.D., 1950, University of Iowa.

- Marjorie B. Gardner (1950)-----Circulation Librarian  
B.A., 1941, Fresno State College; Certificate in Librarianship, 1942, University of California.
- William Gellermann (1949)-----Professor of Education  
B.A., 1922, M.A., 1924, University of Washington; Ph.D., 1938, Columbia University.
- Emmett A. Greenwalt (1949)-----Assistant Professor of History  
B.A., 1937, M.A., 1940, Ph.D., 1949, University of California at Los Angeles.
- Ann L. Greer (1949)-----Assistant Professor of English  
B.A., 1927, Zion College; M.A., 1947, University of Southern California; additional graduate study, University of Southern California.
- Joseph H. Grosslight (1950)-----Assistant Professor of Psychology  
B.A., 1943, University of California at Los Angeles; M.A., 1945, Ph.D., 1947, Yale University.
- Elliott W. Guild (1949)-----Professor of Government  
B.A., 1925, University of Wisconsin; M.A., 1931, Ph.D., 1935, Stanford University; additional graduate study, University of California.
- Freda Haffner (1947)-----Physician for College Women  
B.A., Pacific Union College; M.D., College of Medicine, Loma Linda and Los Angeles; additional graduate study, University of London, School of Tropical Medicine and Hygiene.
- Lorentz I. Hansen (1949)-----Assistant Professor of History  
B.A., 1910, Central College; M.A., 1912, B.D., 1915, University of Chicago; Ph.D., 1934, Boston University.
- Sib O. Hansen (1948)-----Assistant Professor of Business Administration  
B.S., 1941 University of Oklahoma; graduate study, University of Southern California; Certified Public Accountant, 1946, California.
- Rita M. Hanson (1949)-----Associate Professor of Education  
B.S., 1936, M.A., 1938, University of Iowa; Ed.D., 1949, Stanford University; additional graduate study, New York University.
- Douglas Haygood (1951)-----Lecturer in Psychology  
B.A., 1931, University of Alabama; M.A., 1932, University of Chicago; Ph.D., 1937, University of Paris; additional graduate study, University of Madrid.
- Clare Marie Hegele (1950)-----Order Librarian  
B.A., 1933, University of California at Los Angeles; M.S., 1949, University of Southern California.
- Jack C. Heppe (1949)-----Accounting Officer  
B.S., 1948, University of Southern California.
- Frank J. Hill (1949)-----Associate Professor of Business Administration  
B.S., 1919, Earlham College; M.B.A., 1929, University of Southern California; additional graduate study, New York University; Certified Public Accountant, 1941.
- Elizabeth B. Hone (1950)-----Assistant Professor of Education  
B.A., 1931, Wellesley College; M.A., 1936, Columbia University; additional graduate study, Harvard University, Yosemite Field School.
- Bernard L. Hoyt (1950)-----Associate Professor of Business Administration  
LL.B., 1926, University of Southern California; admitted to California State Bar in 1926.
- Roland D. Hutchinson (1950)-----Instructor in Psychology  
B.A., 1948, M.A., 1950, University of California at Los Angeles; additional graduate study, University of California at Los Angeles.
- Carter Godfrey Jefferis (1950)-----Assistant Professor of History  
B.A., 1930, University of California at Los Angeles; Ph.D., 1943, University of California.
- L. Stanford Johnson (1950)-----Instructor in Education  
B.A., 1950, Occidental College; graduate study, University of California at Los Angeles.



- Lois V. Johnson (1950) ----- Assistant Professor of Education  
B.E., 1938, Northern Illinois State Teachers College; M.A., 1939, Northwestern  
University; Ed.D., 1948, University of Illinois; additional graduate study,  
Columbia University.
- Morris Val Jones (1950) ----- Assistant Professor of Speech  
B.A., 1935, Baker University; M.A., 1937, University of Iowa; Ph.D., 1950,  
Stanford University.
- Felix J. Jumonville, Jr. (1948) ----- Assistant Professor of Physical Education  
B.S., 1942, Louisiana State University; M.S., 1949, University of Southern Cali-  
fornia; additional graduate study, University of Southern California.
- A. Helen Kennedy (1949) ----- Associate Professor of Education  
B.A., 1932, University of California at Los Angeles; M.A., 1934, Claremont  
College; Ph.D., 1940, University of Chicago; additional graduate study, Clare-  
mont College, University of Southern California.
- Kenneth M. Kerans (1950) ----- Dean of Administration  
B.A., Washburn College; M.A., University of California.
- Sterling P. Kincaid (1948) ----- Assistant Professor of English  
B.A., 1932, M.A., 1934, Ph.D., 1939, University of Southern California; addi-  
tional graduate study, University of Washington.
- D. Eugene Kinnett (1950) ----- Assistant to Coordinator of Business and Industrial Education  
B.S., 1927, M.B.A., 1934, University of Southern California.
- Robert V. Kovacic (1949) ----- Assistant Professor of Art  
B.A., 1949, San Diego State College.
- Jack R. Kudrna (1950) ----- Assistant Professor of Education  
B.S., 1940, Nebraska State Teachers College; M.A., 1943, Colorado State Teachers  
College; additional graduate study, Colorado State Teachers College.
- A. C. Lambert (1950) ----- Professor of Education  
B.S., 1922, M.S., 1926, Brigham Young University; Ph.D., 1935, Stanford Uni-  
versity.
- Vernon F. Leidig (1950) ----- Lecturer in Music  
B.A., 1943, Santa Barbara State College; graduate study, University of Southern  
California.
- Theodore W. Little (1950) ----- Associate Professor of Art  
B.A., 1939, M.A., 1940, Colorado College; additional graduate study, University  
of Southern California, Art Center School, Los Angeles.
- Eugenia C. Loder ----- Professor of Education  
B.S., 1925, University of Washington; M.A., Ed.D., 1945, Stanford University.
- George C. Lorbeer (1950) ----- Assistant Professor of Education  
B.A., 1943, San Francisco State College; M.A., 1948, Stanford University;  
Ed.M., 1950, University of Illinois; additional graduate study, University of  
Illinois.
- Ferron C. Losee (1949) ----- Professor of Physical Education  
B.S., 1935, Brigham Young University; M.S., 1938, Ed.D., 1951, University of  
Southern California.
- Rodney F. Luther (1950) ----- Associate Professor of Business Administration  
B.B.A., 1946, M.B.A., 1947, Ph.D., 1949, University of Minnesota.
- Thomas M. McGrath (1950) ----- Assistant Professor of English  
B.A., 1939, University of North Dakota; M.A., 1940, Louisiana State Uni-  
versity; additional graduate study, New College, Oxford University.
- Wayne F. McIntire (1950) ----- Associate Professor of Education  
B.A., 1936, M.A., 1938, Brigham Young University; Ph.D., 1947, University of  
California; additional graduate study, University of Wisconsin.
- Donald Keith Manion (1950) ----- Associate Professor of Art  
B.A.E., 1929, John Herron Art School; M.A., 1947, University of Oregon; addi-  
tional graduate study, University of Iowa.



- Warner K. Masters (1949) ----- Comptroller  
B.S., 1949, University of Southern California; additional graduate study, University of Southern California.
- Leonard G. Mathy (1950) ----- Associate Professor of Economics  
B.A., 1941, M.A., 1943, Ph.D., 1946, University of Illinois.
- Logan T. Miles (1950) ----- Assistant Professor of Education  
B.A., 1942, M.A., 1949, University of California; additional graduate study, University of California.
- Chester R. Milham (1949) ----- Professor of History  
B.A., 1914, Baker University; M. A., 1933, Ph.D., 1938, University of Southern California.
- Marguerite Mochel (1949) ----- Assistant Professor of Physical Education  
B.A., 1940, Hunter College; M.A., 1942, Columbia University; Ph.D., 1949, University of Southern California.
- Grace V. Morgan (1949) ----- Assistant Professor of Education  
B.S., 1930, Missouri University; M.A., 1935, Columbia University; additional graduate study, University of Southern California.
- Donald G. Mortensen (1949) ----- Associate Professor of Education  
B.A., 1937, Brigham Young University; Ed.D., 1950, University of Southern California.
- John A. Morton (1948) ----- Professor of Education  
B.S., 1936, M.S., 1939, University of Oregon; Ed.D., 1945, Stanford University
- Hugh B. Mullins (1950) ----- Instructor in Music  
B.M.Ed., 1945, Milliken Conservatory of Music; Ph.D., 1951, University of Southern California.
- Richard O. Nahrendorf (1950) ----- Associate Professor of Sociology  
Certificate in Social Work, 1932, School of Social Work, Leipzig, Germany; B.A., 1944, Ph.D., 1948, University of Southern California; Certificate in Social Work, University of Southern California, 1945.
- Edward J. Neale (1949) ----- Associate Professor of Education  
B.A., 1940, M.A., 1944, University of Notre Dame; Ph.D., 1949, University of California; additional graduate study, Stanford University.
- Leslie W. Nelson (1950) ----- Associate Professor of Education  
B.S., 1930, M.S., 1931, Utah State Agricultural College; Ph.D., 1944, Ohio State University.
- John C. Norby (1950) ----- Assistant Professor of Economics  
B.A., 1936, Eastern Washington College of Education; B.S., 1939, University of Washington; M.A., 1949, University of Minnesota; additional graduate study, University of Minnesota.
- William C. Nutting (1950) ----- Assistant Professor of Education  
B.A., 1947, M.A., 1948, Colorado State College; Ed.D., 1950, University of Oregon.
- Delmar T. Oviatt (1950) ----- Associate Professor of Education  
B.A., 1939, University of Alberta; Ed.D., 1949, Stanford University.
- Dorothy R. Peckham (1950) ----- Associate Professor of Education  
B.A., 1932, M.A., 1933, Ed.D., 1948, University of Texas.
- Esther Penchef (1948) ----- Associate Professor of Sociology  
B.S., 1935, Bowling Green State University; M. A., 1940, University of Toledo; Ph.D., 1947, University of Southern California.
- Jane Koehler Plank (1949) ----- Assistant Professor of Music  
B.S., 1944, State Teachers College (New York); M.A., 1948, Columbia University; additional graduate study, Juilliard School of Music, University of Buffalo.
- Gerald Prindiville (1949) ----- Professor of Education  
B.A., 1932, San Jose State College; M.S., 1933, University of Idaho; Ed.D., 1950, University of Southern California; additional graduate study, Claremont College, University of New Mexico.
- Mary A. Reeves (1950) ----- College Nurse  
R.N., 1942, State of California.

- Warren E. Reeves (1950) ----- Assistant Professor of Physical Education  
B.A., 1940, Hastings College; M.S. in Education, 1948; Ph.D., 1951, University  
of Southern California.
- Morton J. Renshaw (1950) ----- Professor of Psychology  
B.A., 1938, M.A., 1942, Colorado State College of Education; Ph.D., 1947, Stan-  
ford University.
- Roland Case Ross (1950) ----- Lecturer in Biological Science  
B.A., 1931, University of California at Los Angeles; M.S., 1932, California Insti-  
tute of Technology.
- Hudson Roysher (1950) ----- Associate Professor of Art  
B.S., 1934, Western Reserve University; M.F.A., 1948, University of Southern  
California.
- Raymond A. Rydell (1948) ----- Associate Professor of History  
B.A., 1937, M.A., 1947, Ph.D., 1948, University of California at Los Angeles;  
additional graduate study under the Rockefeller Foundation,
- Clarence K. Sandelin (1949) ----- Associate Professor of English  
B.A., 1939, M.A., 1942, University of Iowa; additional graduate study, Univer-  
sity of Wisconsin.
- Ake Sandler (1949) ----- Assistant Professor of Government  
B.A., 1946, M.A., 1946, University of Southern California; Ph.D., 1950, Univer-  
sity of California at Los Angeles.
- Delwyn G. Schubert (1950) ----- Assistant Professor of Education  
B.S., 1942, Oshkosh State Teachers College; M.S., 1947, University of Wiscon-  
sin; Ph.D., 1949, Northwestern University; additional graduate study, University  
of California at Los Angeles.
- John C. Schwartz, Jr. (1950) ----- Associate Professor of Education  
B.A., 1933, M.A., 1946, Ed.D., 1950, University of California at Los Angeles.
- Paul T. Scott (1950) ----- Associate Professor of Journalism  
B.A., 1930, Indiana University; M.A., 1938, University of Iowa; additional grad-  
uate study, University of Michigan.
- Gerald Q. Shepherd (1950) ----- Assistant Professor of Education  
B.A., 1926, Simpson College; M.S., 1933, Iowa State College; graduate study,  
University of Southern California.
- Frederick B. Shroyer (1950) ----- Assistant Professor of English  
B.A., 1948, M.A., 1949, University of Southern California; additional graduate  
study, University of Southern California.
- Hyman Simmonds, M.D. (1950) ----- College Physician for Men  
M.D., 1926, St. Bartholomew's Hospital, London; additional graduate study,  
School of Tropical Medicine, University of London.
- Floyd R. O. Simpson (1949) ----- Professor of Economics  
B.A., 1933, M.A., 1938, Ph.D., 1943, University of Minnesota; additional study,  
Northwestern University.
- Esther B. Sion (1949) ----- Instructor in Art  
B.F.A., 1937, M.F.A., 1941, University of Southern California.
- Carol J. Smallenburg (1950) ----- Assistant Professor of Education  
B.A., 1935, Ed.D., 1948, Stanford University; additional graduate study, Mills  
College, University of Chicago, Columbia University.
- Harlan G. Smedley (1950) ----- Assistant Professor of English  
B.A., 1929, University of Nebraska; graduate study, University of Southern  
California.
- Joseph W. Stanley (1949) ----- Professor of Education  
B.A., 1928, Cornell University; M.A., 1941, Ph.D., 1948, Stanford University.
- Cecil C. Stewart (1949) ----- Associate Professor of Education  
B.A., 1922, University of Redlands; M.A., 1928, University of Southern Cali-  
fornia; Ed.D., 1942, Stanford University; additional graduate study, University  
of Chicago.



- Maurine Timmerman (1950) ----- Assistant Professor of Music  
B.S., 1934, University of Minnesota; M.S., 1941, University of Idaho; additional graduate study, University of Southern California.
- Fred M. Tonge (1948) ----- Professor of Education  
B.A., 1928, San Jose State College; M.A., 1929, Ed.D., 1945, Stanford University.
- Thomas Tramel (1950) ----- Assistant Professor of Art  
B.A., 1942, Colorado State College of Education; additional study, Art Center School, California School of Art.
- Samuel E. Urner (1950) ----- Professor of Mathematics  
Ph.B., 1906, Baker University; Ph.D., 1911, Harvard University.
- Karl M. Wallace (1948) ----- Associate Professor of Sociology  
B.S., 1942, M.S., 1945, Brigham Young University; Ph.D., 1947, University of Southern California.
- William Wanamaker, M.D. (1950) ----- College Physician for Men  
B.S., 1941, M.D., 1942, University of Illinois; additional graduate study, University of Southern California, University of California at Los Angeles.
- Tully E. Warren (1950) ----- Assistant Professor of Government  
B.A., 1938, M.A., 1939, Ph.D., 1950, Stanford University.
- Howard E. Wilkening (1948) ----- Professor of Psychology  
B.S., 1933, New York University; M.A., 1939, University of Colorado; Ph.D., 1941, New York University; additional graduate study, Purdue University, University of Colorado.
- Robert J. Williams (1950) ----- Admissions Officer and Registrar  
B.A., 1947, San Diego State College; graduate study, San Diego State College, University of Southern California.
- James C. Williamson (1950) ----- Assistant Professor of Education  
Ed.B., 1926, University of California at Los Angeles; M.S., 1936, University of Pennsylvania; additional graduate study, University of Pennsylvania, University of Southern California.
- George W. Willott (1950) ----- Associate Professor of Physical Education  
B.S., 1938, M.S., 1939, University of Idaho; additional graduate study, Stanford University.
- Donald P. Wilson (1948) ----- Professor of Psychology  
B.A., 1922, Asbury College; M.A., 1929, University of Florida; Ph.D., 1941, University of Southern California.
- Frank S. Wilson (1949) ----- Assistant Professor of Business Administration  
B.A., 1936, University of Hawaii; additional graduate study, University of Michigan, Stanford University, University of Southern California. Professional Engineer (Mechanical), State of California.
- James B. Wilson (1948) ----- Associate Professor of Philosophy and Sociology  
B.A., 1936, Maryville College; B.D., 1939, Garrett Biblical Institute; M.A., 1942, Ph.D., 1944, University of Southern California.
- Mabel M. Wilson (1950) ----- Instructor in Education  
B.A., 1919, Columbia College, Chicago; B.S., 1936, University of Southern California; graduate study, University of Southern California.
- Clifton C. Winn (1950) ----- Associate Professor of Education  
B.A., 1927, Pomona College; M.A., 1929, Ph.D., 1931, Harvard University.
- Albert R. Wise (1950) ----- Assistant Professor of Physical Education  
B.S., 1947, M.A., 1948, Ohio State University; additional graduate study, University of Southern California.



## PART-TIME FACULTY

- Anderson, Forrest, M.D., Ph.D.  
 Barbour, Gloria Y., B.A.  
 Beasley, Mary R., M.A.  
 Bell, Archibald W., Ph.D.  
 Berg, George O., M.D.  
 Berkey, Frances E., Ph.D.  
 Bernoff, Louis I., M.S.  
 Bibb, Lydia W., M.S.  
 Black, Frank, M.S.  
 Blick, James D., M.A.  
 Borders, Irvin, B.S.  
 Borton, William M., M.B.A.  
 Bowers, Booth H., LL.B.  
 Brauner, Joseph, M.A.  
 Browell, Kenneth, M.A.  
 Brown, Marjorie, M.A.  
 Burger, Oak, B.A., B.S.  
 Cady, Osman H., Ph.D.  
 Campbell, Harry W., M.A.  
 Caperton, Joseph, M.S.  
 Carthew, Arthur W., M.A.  
 Clark, Charles M., M.S.  
 Cole, Natalie R., B.A.  
 Cooper, Ethel, B.A.  
 Cox, Vivian K., M.S.  
 Derrick, James C., M.S.  
 Dickinson, Marie B., M.A.  
 Doig, Frank, B.S.  
 Dockterman, Lois, B.M.E.  
 Duncan, Merrill V.  
 Dunlap, Robert P., B.A.  
 Eversoll, John D., B.A.  
 Ferguson, Helen, R.N., M.A.  
 Fisk, James G., B.A.  
 Floyd, Earl H., M.S.  
 Franke, Lois E., B.A.  
 Gannon, Joseph F., Ed.D.  
 Garner, Jefferson L., Ed.D.  
 Geiser, Peter, M.S.W.  
 Gooding, Freda E., R.N., B.S.  
 Goody, George H., M.A.  
 Grinnell, Frances G., M.S.  
 Harnois, Duncan M., M.S.  
 Harper, Wilma M. G., B.A.  
 Hefler, Richard J., B.A.  
 Helsel, Carl, B.A.  
 Hodge, Harold S., B.A.  
 Holliday, Jay, Ph.D.  
 Houghton, Robert A.  
 Jesse, John P., B.S.  
 Jones, Berdine J., Ph.D.  
 Jordan, Wilma, R.N., M.N.  
 Juneman, Helen, B.A., B.E.  
 Kinnett, D. Eugene  
 Koenig, Walter R., B.S.  
 Kostanick, Celeste B., M.A.  
 Lazare, Eugene, M.A.  
 Lucas, Winafred L., B.A.  
 Merrill, Foster C., Ed.D.  
 Millspough, John C., B.S.  
 Newby, Ruth, B.A.  
 Nishi, Midori, M.A.  
 Orsatti, Louis A., B.S.  
 Otero, Michael A., Ph.D.  
 Parker, Claude R., M.A.  
 Podjar, Sonia, B.S.  
 Power, Joseph E., M.A.  
 Quilliam, Vernon V., M.A.  
 Quinn, Ruth W., B.E.  
 Ross, Dickinson E., B.A.  
 Rubin, Edward, LL.B.  
 Schmalzreid, Willma, B.A.  
 Schuettner, Arthur J., M.S.  
 Shapiro, Stewart B., Ph.D.  
 Shattuck, Evelyn M., R.N., M.A.  
 Smith, Thomas W., M.A.  
 Stahlem, Evelyn, M.A.  
 Stanton, Joseph O., M.A.  
 Stein, Ruth S., M.A.  
 Stewart, Florence V. D., B.A.  
 Thompson, Alice C., Ph.D.  
 Troutman, Marian H., M.M.E.  
 Vazzana, Anthony E., M.M.  
 Warick, Edith H., B.S.  
 Weber, Clare M., B.S.  
 Weeks, George D., Ed.D.  
 Weide, Herbert F., Ph.D.  
 Weil, Stephanie, B.A.  
 Williams, Stanley W., Ed.D.  
 Wilson, Jeanne S., M.S.  
 Young, Walter H., B.A., LL.B.

**TEACHERS, PRINCIPALS, AND OTHER ADMINISTRATIVE  
OFFICERS IN THE CITY AND COUNTY PUBLIC  
SCHOOLS COOPERATING IN THE TEACHER  
TRAINING PROGRAM**

Acke, Anne E. I.  
Adair, Florence B.  
Adams, Dorothy Eleanor  
Alexander, Signe  
Anderson, Burt  
Aquiliano, Marjorie  
Arnheim, Roy L.  
Barber, Helen H.  
Barbour, Anita  
Barr, Ferd  
Baum, Ruth A.  
Bennett, Wilhelmina Alice  
Black, Lillus  
Blank, Callie  
Blum, Mildred  
Brady, Hugh P.  
Brinn, Vera L.  
Brunner, Robert  
Bussard, Lucille A.  
Cain, Ruth M.  
Campbell, Jean  
Cawood, Elaine  
Christian, Annabelle A.  
Cone, Gladys M.  
Conover, Wilbur M., Jr.  
Conrad, Carson  
Crenshaw, Blanche  
Dahlquist, Ruth M.  
Darr, Mary C.  
Davis, Janice Lillywhite  
Derrick, James  
Dodge, Dorothy  
Drake, Lulu C.  
Engberg, Evan  
Ernst, Ada C.  
Ferguson, William J.  
Ferrogiano, Jean  
Fischer, Margaret  
Flaherty, Edith  
Flynn, Nora  
Foley, Louis Frank  
Fox, John G.  
Frederickson, William  
Fremont, B. Ruth Pratt  
Gain, John  
George, Vern Saul  
Gilmer, Adelene G.  
Goff, Mary  
Gray, Eric  
Gregory, Geraldine  
Grinnell, Frances  
Gruendyke, Paul  
Haller, Dorothy

Hardy, Clarence J.  
Harrison, Larry  
Hart, Margaret  
Haynes, Lois  
Heimburger, Henrietta  
Hemme, Elsie  
Hewlett, Byrda  
Hjelte, George  
Hoban, Irene  
Hoffman, Eleanor E. K.  
Hough, Mary Ormsby  
Hummel, Peggy  
Jarvis, Ellis A.  
Jacoway, Geraldine R.  
Jones, Edward Stanley  
Kanzler, Helen Frances  
Keller, William  
Kermoyan, Betty  
King, Barbara G.  
Kirkpatrick, William Bruce  
Lacy, James S.  
Lerner, Ida  
Lindner, Rose E. Gehrrens  
Lindsey, Margaret F.  
Luke, Helen Young  
McClelland, Ian  
McDonald, Blanche  
McKee, Margery  
Mahaffay, Clarence  
Mann, William Finlay  
Melton, Mary F.  
Merrill, Elouise M.  
Meyer, Eunice  
Mindel, Rose R.  
Mixsell, Frank H.  
Molloy, Katharine  
Montgomery, G. Millage  
Mosier, Jack  
Mullard, Cameron Nisbet  
Nicholson, Helen Marie  
Nickson, Jeanne  
Noskoff, Faye  
Oles, Ruth  
Oliver, Mildred H.  
Orsatti, Louis  
Palmer, Martha M. Haskell  
Pauley, David  
Pearsall, Anna B.  
Perry, Chester Arthur  
Phillips, Rose R.  
Pippert, Maud K. T.  
Podjar, Sonia  
Pollich, Raymond E.



Purvis, Jewel Gardner  
Ralston, Basil E.  
Ratray, Francis H.  
Reavis, Alice  
Reeves, Claude L.  
Riediger, Mabel  
Riley, Thomas Milton  
Row, Minnie  
Sample, Crystal  
Schulhof, Gladys Close  
Seyler, Louise W.  
Shackelford, Claude L.  
Smith, Lee Roy  
Spector, Marion  
Stelter, Rose  
Stoddard, Alexander J.  
Strongman, Beverly D. H.  
Sullivan, Mary A.  
Sweet, Perces Ernestine  
Teepie, Ethel

Tierney, Elizabeth D.  
Travers, Louis B.  
Tribe, Howard  
Trillingham, C. C.  
Tyler, Katie M.  
Vandermast, Alvin Loar  
Van Patten, Elizabeth  
Walker, Violet  
Wall, Irma  
Walters, Bonnie  
Weis, Mona  
Whitten, Elizabeth Bavier  
Wilhelm, Ruth  
Williams, Hazel E.  
Wilms, Robert J.  
Wilson, Adelaide  
Wilson, Mabel  
Wood, Herbert Sidney  
Woods, Mildred  
Wrinkle, Charles Guy



## GENERAL INFORMATION

### AIMS AND FUNCTIONS

The Los Angeles State College was created by legislative act in 1947 and located in the City of Los Angeles. In 1949 a new legislative act reconstituted the institution and named it the Los Angeles State College of Applied Arts and Sciences.

The fundamental purpose of the college is to serve the needs of the community and the State. The functions of the college include: The preparation of teachers; the training of students for gainful occupations in the applied arts and sciences, especially in business and industry; the offering of general and liberal education for responsible citizenship, as well as professional education designed for students who plan to transfer to universities for advanced professional study.

A particular function of the college that makes it distinctive among state colleges is that of serving the community by means of cooperative education. See the work-study and government internship programs.

### ORGANIZATION OF THE COLLEGE

The Los Angeles State College of Applied Arts and Sciences offers upper division and fifth year programs. It thus does not overlap the Los Angeles City College, located on the same campus, which is a junior college. Though separate institutions, the two schools cooperate closely in use of plant and facilities and share the services of certain senior administrative officers. The contractual relationship between the State Department of Education and the Los Angeles City Board of Education broadens the resources of both colleges and permits the registration of freshmen and sophomore students in a junior college directly correlated to the upper division program of a state college. It also provides a means for college students to make up lower division deficiencies and other requirements.

The extended day, or evening division, of the Los Angeles State College of Applied Arts and Sciences is an integral part of, not separate from, the institution as a whole.

### EXTENDED DAY CLASSES

Extended day classes are maintained for the purpose of providing mature persons with opportunities, during the late afternoon and evening hours, to do part-time college level work leading to advancement in business, education or other professional fields, toward completion of requirements for degrees or credentials, and to cultural or intellectual improvement.

The courses offered by the evening division are given on the same basis as the day classes, using the same plant, textbooks, and meeting the same requirements.

While a person may meet the graduation requirements by taking courses exclusively through extended day classes (Education 150, 250, and 251 excepted), he should expect that program to take a longer period of time because fewer courses are offered or are offered in alternate semesters or years. Those who do not complete their course of study within four years, must receive a re-evaluation of credits.

#### *Admission*

Inasmuch as all courses given in the evening division are offered on the same basis as regular day classes, students must meet the same requirements as regular day students in order to be admitted to extended day classes.

#### *Credit*

All courses offered in the evening division are accepted toward graduation, credentials, or certificates unless otherwise indicated.

### SUMMER SESSION

At the present time the Los Angeles State College of Applied Arts and Sciences has a six-week summer session. For details write to the Director of the Summer Session.

### EXTENSION PROGRAM

In order to serve more adequately the needs of the community, the college cooperates with off-campus organizations and groups in providing instruction and arranging extension classes in response to expressed needs when the group is sufficiently large to finance the instruction. A minimum of 15 to 20 students is usually required in order to establish a class.

### THE WORK-STUDY PROGRAM

The work-study plan combines classroom instruction with practical experience in business firms and industrial plants.

This plan is advantageous to the student in that it enables him to :

1. Practice application of the principles he is studying.
2. Learn to work with others through first-hand experience.
3. Develop a sense of responsibility in doing productive work.
4. Qualify for advanced positions upon graduation.

Private employers in the Los Angeles metropolitan area have enthusiastically endorsed this plan, and provisions have been made to use a number of college students on either a part- or full-time basis.

Under this plan participating students earn generally one unit of credit for each eight hours of work per week per semester. The maximum number of units that may be so earned and applied toward the bachelor's degree is 16. Of these a maximum of 8 units may be earned in the upper division, with not more than 4 units in any one academic year.

To qualify for participation in the work-study program the student must have attended Los Angeles City or State College for at least a semester, have a grade average of "C" or better, and be recommended by faculty members or former employers pertinent to the field of his proposed work-study. Application for participation in the business and industry phases of the program should be filed in Room 2 of Holmes Hall.

All work-study experience must be related to the student's major, and must be supervised by the work-study coordinator and/or academic department.

### INTERNSHIPS IN PUBLIC SERVICE

This program of cooperative education combines classroom instruction with practical experience in government agencies and quasi-public enterprises. The regulations governing the operation of this program are similar to those of the Work-Study Program, with the following variations :

1. Applicants for participation must be in senior standing.
2. Maximum number of units that may be earned and applied toward the bachelor's degree : 8, all upper division.
3. In some instances a student must pass a qualifying civil service examination for admission to the internship.
4. Interested students should discuss opportunity and qualification details with Dr. Guild, Coordinator of Training for Government Service.

Students interested in securing academic credit for internship experience in their major subject should enroll in the course numbered 198—"Field Assignment and Reports" with the appropriate departmental prefix. Prior to such enrollment both the appointed departmental adviser and the Coordinator of Training for Government Service should be consulted.

### RECOGNITION

The Los Angeles State College of Applied Arts and Sciences is legally authorized and required to provide training for service in the public schools. Credits are accepted by the State Department of Education in fulfillment of requirements for the various credentials authorizing public school service.

Credits earned in recognized programs may be transferred to the University of California and to other state colleges in California.

Los Angeles State College is on the approved list of United States Department of Justice for nonquota immigrant students.

A student who wishes to transfer to any other collegiate institution should follow the degree and scholarship requirements of that college to avoid loss of time after transfer.



### LOCATION

Los Angeles State College of Applied Arts and Sciences at 855 North Vermont Avenue is situated in the heart of the city, surrounded by shopping districts, apartments and private homes. The college is connected, by main arteries of busses and streetcars, with all sections of the metropolitan area. The Los Angeles-Hollywood Freeway is but four blocks away.

### BUILDINGS AND EQUIPMENT

Los Angeles State College has no buildings of its own, but rents buildings, classrooms, laboratories, special rooms, athletic facilities, and some of its equipment from Los Angeles City College. The 30 acres contain buildings and facilities typical of a very large metropolitan junior college, including men's gymnasium, women's gymnasium, athletic fields and courts, swimming pool, an auditorium of 1,600 capacity, a library of 78,000 volumes, audio-visual center, student union, little theater, various administrative and instructional buildings, plus about 80 temporary bungalows.

### THE LIBRARY

The book stock of the library now numbers more than 20,000 volumes, most of these in stacks open to students and faculty members. More than 340 periodicals are currently received, including the most important federal and California public documents.

In addition to the 78,000 volumes of the Los Angeles City College Library, the State College Library is able to draw upon the varied resources of the Los Angeles area, which is one of the Nation's great library centers. Among the libraries available to students, either directly or through interlibrary loan, are two large university libraries, the Los Angeles Public Library, the Los Angeles County Library, several college and special libraries, and the State Library. Students are encouraged and actively aided in using the bibliographical resources of the area.

Five graduate librarians and two clerical assistants administer the services of the library, with part-time aid of 15 students. The library is open on all school days from 8 a.m. to 9 p.m., except Friday, when it closes at 4.30 p.m.

## PERSONNEL SERVICES

Personnel services available to students include counseling, placement, and health service. Veterans may avail themselves of the services of the Veterans Administration representative in Administration Building, Room 112. Students may get further information regarding these services from the offices of the Dean of Men and Dean of Women of the State College, and from the Office of the Dean of Student Personnel.

### HEALTH SERVICE

Los Angeles State College of Applied Arts and Sciences provides facilities for medical examinations, first aid, health information and health counseling for students.

The State employs one full-time physician, one registered nurse and a clerk who are in attendance on the campus five days a week.

The Health Office is located in Bungalow 15, which is adjacent to the northeast corner of the women's gym.

### TESTING

All entering upper division students must take an aptitude test and the writing proficiency test. In addition all majors in the various language arts must complete a comprehensive and integrative survey and examination during the final semester of their senior year. All education credential candidates must take a series of tests which are usually given at the beginning of each semester. (Read Division of Education section.)

### COUNSELING

The college offers the services of a trained staff to students who wish help in the solution of problems which are personal, social, academic, or occupational in nature. It is a program designed to help students gain the greatest possible advantage from their college experience.

### STUDENT ORGANIZATIONS

Student government is administered by the Executive Council of the Associated Students. The co-curricular program including campus activities and organizations, publications, athletics, and recreation is coordinated by the council. Finance and business management is handled by a graduate manager and a finance committee under the jurisdiction of the council.

All students are eligible for membership in the Associated Students upon payment of dues. The Associated Women Students is a subordinate body open to all women students who are members of the Associated Students.

The student organizations representing many special interests are chartered and coordinated by the Interclub Council.

The activities of the social fraternities and sororities are regulated by the Inter-Fraternity Council and the Pan Hellenic Council.

### STUDENT PUBLICATIONS

The *College Times* is the student newspaper published weekly by the Associated Students. The college annual is called the *Pitchfork Statement* is a student literary publication which appears each semester. The student handbook, put out by the Associated Students, serves as a source of information on student functions and student affairs, and includes a detailed description of the nature and objectives of the various organizations. The handbook may be obtained by contacting the Dean of Men or Dean of Women.

### SCHOLARSHIPS AND LOANS

Scholarships and loans are under the direction of the faculty Loan and Scholarship Committee. Information may be obtained at the office of the Dean of Men and the Dean of Women.

The Edward Talbert, Jr., Memorial Scholarship: \$25 per semester, available to senior men.

California State Parent Teachers Association Scholarships: \$300 per year, available to elementary education majors.



Economic Cooperative Administration—Emergency aid to Chinese students.  
Established June, 1950, under Public Law 535, Eighty-first Congress.  
Fullbright Scholarships for foreign graduate study.

Information on competitive scholarships will be supplied through the office of the Dean of Men and Dean of Women.

#### SPECIAL LOANS

A limited number of short-term loans can be accommodated. Students make application to Scholarship and Loan Committee.

Moneys are made available for books and supplies. Charges for these materials are to be paid back by the end of each semester to the Scholarship and Loan Committee.

The Opti-Mrs. Club of Burbank: \$75 per semester available to women enrolled in directed teaching.

Los Angeles State College Semiannual Essay Contest. Prizes of \$30, \$20, and \$10 are awarded semiannually to the winners of an essay contest sponsored by Mr. George Burleigh and conducted by the Division of Language and Literature.

#### LIVING ACCOMMODATIONS

There are no dormitories on the campus. Addresses of suitable living accommodations may be obtained through the office of the Dean of Men and Dean of Women.

#### ATHLETICS

The intercollegiate athletic program at Los Angeles State College is considered a phase of the physical education program. Participation is open to any full-time student with athletic talents.

Los Angeles State College is a member of the California Collegiate Athletic Association. Other members of the conference are Santa Barbara College, George Pepperdine College, San Diego State College, and California Polytechnic College. The conference recognizes champions in football, basketball, baseball, track, wrestling, gymnastics, golf, swimming, and tennis.

The aims of the intercollegiate athletic program are as follows:

1. To develop school spirit among all the students.
2. To provide an opportunity for students to participate in athletic competition with students of other colleges.
3. To field representative teams in all conference sports.
4. To develop a spirit of sportsmanship among student participants and spectators at home athletic events.

#### Staff

#### INTERCOLLEGIATE ATHLETICS

Director of Athletics	Ferron C. Losee
Assistant Director and Business Manager	Warren E. Reeves
Faculty Representative to C. C. A. A.	Morton J. Renshaw
Team Physician	George O. Berg, M.D.

#### Coaches

Football	Leonard L. Adams and Cameron S. Deeds
Basketball	Saxon Elliot
Baseball	Albert Wise
Cross Country	Felix Jumonville
Golf	Saxon Elliott
Gymnastics	Frank Doig
Track	Harry Campbell
Tennis	Felix Jumonville
Swimming	Ferron C. Losee
Wrestling	Frank Doig
Water Polo	Albert Wise

### TEACHER PLACEMENT BUREAU

The college maintains a Teacher Placement Bureau to assist its students and graduates in obtaining teaching positions for which they are qualified.

Complete records of the achievements, experience, and personal qualifications of candidates are kept on permanent file in the Teacher Placement Bureau and confidential copies of these records are made available to school officials upon request. Candidates are recommended by the Teacher Placement Bureau to school officials listing openings with this office, and appointments for interviews are arranged.

Students are urged to register with the Teacher Placement Bureau, Administration Building, Room 224, at the beginning of the last semester before earning their teaching credential, or in March or April preceding the school year in which they expect to teach. No fee is charged for placement services.

### EMPLOYMENT OFFICE

Students who wish to obtain part-time work to help defray the expense of going to school should register with the placement office in the Administration Building, Room 122.

### ORIENTATION

At the beginning of each semester the students and faculty of Los Angeles State College present a program designed to acquaint new students with the opportunities for participation in student affairs and student activities on the campus.



## ADMISSION REQUIREMENTS

### *Undergraduates*

Applicants for admission who have completed a minimum of 54 units of work in any recognized institution of collegiate grade, with a "C" average on all work undertaken, may be admitted to the State College. Applicants must—

1. Submit an application on the form obtained from the Admissions Office.
2. Submit official transcripts including a statement of honorable dismissal from all colleges attended. These records must be forwarded by the Registrars of the colleges attended. *Official transcripts will be accepted from students only if they are delivered in sealed envelopes from the forwarding institutions.* Transcripts which have been opened by the students are not official. Transcripts become the property of the college and are not given to students. *An applicant may not disregard any part of his college record when applying for admission.*

### *Graduates*

Holders of Bachelor's Degrees from accredited institutions who do not wish to work for a teaching credential or an advanced degree will be admitted upon presentation of official evidence of a degree.

Graduates who wish to work for teaching credentials or advanced degrees through the State College, will be admitted upon presentation of complete official transcripts covering all college work. Admission to candidacy for the various teaching credentials is contingent upon meeting all of the requirements of the education department.

## EVALUATION OF CREDITS

All credits transferred from recognized institutions of collegiate grade will be evaluated by the Admissions Office. Credit will be allowed toward the graduation requirements of this institution. Transcripts of credit from all high school and colleges attended must be sent to the Admissions Office by the Registrars of those schools. Transcripts received 30 days or more before the beginning of a semester will be evaluated before the period of registration for that semester. Transcripts received after 30 days prior to the beginning of a semester will be evaluated during the semester. A fee of \$2 is charged for an official evaluation of records of students who have not registered at Los Angeles State College.

Each student must consult an adviser in his major field to determine courses which he must complete in order to qualify for a degree. This program of courses becomes an official contract between the student and the college. Any variation from the program must be approved by the adviser and the major department chairman. The student must file the official record of this approval with the Registrar on forms provided for that purpose.

## CREDIT FOR MILITARY SERVICE

Veterans who have served in the armed forces of this Country will receive credit, in accordance with the recommendations of the American Council Guide to the Evaluation of Educational Experiences in the Armed Services. In order to receive credit, a photostatic copy of the applicant's discharge papers must be filed at the time of application.

## CREDIT FOR EXTENSION AND CORRESPONDENCE COURSES

The maximum amount of credit through correspondence courses and extension classes which may be applied toward the Bachelor of Arts or Bachelor of Science Degree is 24 semester units, not more than 12 of which may be transferred from another college or university. Such credit does not count toward satisfaction of the minimum residence requirement.

## JUNIOR COLLEGE CREDIT

No unit credit will be accepted on a transfer from a junior college after a student has earned 64 units of college credit. No upper division credit may be allowed for courses taken in a junior college. No credit may be allowed for professional courses in education taken in a junior college.



## CREDITS FROM FOREIGN INSTITUTIONS

Credits earned at institutions in foreign countries are evaluated through the cooperation of the U. S. Office of Education. Applicants transferring such credit should provide the Admissions Office with detailed transcripts of record several months in advance of the opening of the semester in which the applicant hopes to gain admittance. This will allow time for the exchange of necessary correspondence relative to the evaluation.

## CLASSIFICATION OF STUDENTS

*Regular*—A student carrying 6 or more units, fully matriculated, and in good standing.

*Limited*—A regularly enrolled student who is carrying 5 or fewer units.

*Probationary*—A student is placed on probation if at any time his grade point average for his total program or for the preceding semester falls below a "C." A student who is on probation must maintain a 1.5 average or remove the existing deficiency during the next succeeding semester of enrollment.

*Nonmatriculated* students are those who take classes in one of the organized technical curricula but who do not have the entrance requirements necessary for regular status. They are eligible to reenroll in State College only for courses in the technical curriculum.

*Adult Special*—Students who are qualified to take professional courses but who lack the necessary entrance requirements for regular student status may register as Adult Special students. Students registering under this provision are not candidates for a degree. A student admitted to Los Angeles State College as an Adult Special student may register for a maximum of 6 units per semester.

## SELECTIVE SERVICE

Under the arrangement between Los Angeles State College and the Selective Service Office students will be considered as being in full attendance if they carry 12 or more units. The Selective Service Board will be notified when students who have been postponed or deferred for college attendance are registered for fewer than 12 units.

## PROVISION FOR VETERANS

The Los Angeles State College of Applied Arts and Sciences is approved for the training of veterans of World War II. Public Law 346 is applicable to any veteran and Public Law 16 to any veteran with a service-incurred disability.

The State of California has made provision for educational assistance to qualified veterans who were residents of California at the time of entering service.

In accordance with recommendation of the American Council on Education, and with the endorsement of the State Board of Education, the Los Angeles State College will grant credit for military experience. Such credit will be granted only upon completion of the military service and upon application to the Director of Admissions for evaluation. The application should be accompanied with a photostatic copy of veteran's separation papers, and must be made at the time the student applies for admission.



## GENERAL REGULATIONS

### STUDY-LIST REGULATIONS

At the beginning of each semester, every student is required to file with the Registrar, upon a date to be fixed by the Registrar, a detailed study list bearing the approval of a faculty adviser or other specified authority.

The presentation of a study list by a student and its acceptance by the college is evidence of an obligation on the part of the student to perform faithfully the designated work to the best of his ability. Withdrawal from, or neglect of, any course entered on the study list, or a change in program without the formal permission of the Registrar, makes the student liable to enforced withdrawal from the college, or to other appropriate disciplinary action.

Students may take 16 or fewer units without special permission, 17 units if the grade point average for previous semester was 1.5, and 18 units if average was 2.0. Eighteen units are the maximum.

Students who are within 12 units of graduation may apply part of their last semester's work on the postgraduate requirements for the General Secondary Credential. Courses to be so applied must be designated at the time of registration and the program must be approved by the chairman of the student's major division.

No student will be permitted to enter upon the study of any subject if, in the opinion of the instructor, he lacks the necessary preparation to insure competent work. Every student is required to satisfy the instructor in each of his courses of study, in such ways as the instructor may determine, that he is performing the work of the course in a systematic manner.

### AUDITORS

Properly qualified persons may apply for admission to attend classes as auditors. Such students must meet the regular college entrance requirements and must pay the same fees as other students. Auditors have all the privileges of other students in the class, but may not attend examinations or receive credit.

### MULTIPLE ENROLLMENT

Students with sophomore standing may carry upper division courses for upper division credit provided that they have the written approval of the chairman of the division and the Dean of Instruction of Los Angeles State College of Applied Arts and Sciences.

### LATE REGISTRATION

Students who have been cleared by the Admissions Office but who are unable to register during the regular registration period may register late with the approval of the Registrar. Late registrants will find themselves severely handicapped in arranging their programs and must pay a \$2 fee. The last day to register late each semester will be announced by the Registrar's Office.

### UPPER DIVISION COURSES

Students in the Los Angeles City College who register for enough lower division courses to complete the total number of units required for upper division status may complete their program of study with upper division courses, for which they will receive upper division credit. These students should consult their counselors for procedure.

Upper division status is required as a prerequisite to enrollment in any education course.

### PROBATION AND DISMISSAL

Students whose record at Los Angeles State College of Applied Arts and Sciences falls below a "C" automatically go on probation at the end of the semester. While a student is on probation he must maintain a 1.5 grade point average, or remove any grade point deficiency. Students who have been disqualified for scholarship may apply for readmission after a lapse of one full semester.

## TRANSCRIPT OF RECORD

Each student will be provided, upon request to the Registrar, with one official copy of his college record, without charge. After the first request, a minimum charge of \$1 will be made for each additional transcript of record. Application for a transcript should be made directly to the Registrar, either in person or by a letter bearing the student's signature, well in advance of the time when the record will be needed by the applicant. No transcript will be supplied for college work taken in other institutions. Transcripts in possession of students are considered unofficial.

## UNIT OF CREDIT

A unit of credit represents 50 minutes of lecture or recitation combined with two hours of preparation per week through one semester.

## GRADES AND GRADE POINTS

In the Los Angeles State College of Applied Arts and Sciences, the result of the student's work in each course is reported to the Registrar in one of the following scholarship grades:

A Excellent	-----	3 grade points
B Good	-----	2 grade points
C Average	-----	1 grade point
D Barely passing	-----	0 grade points
F Failure	-----	0 grade points
WP Withdrawn	-----	0 grade points
W or I Incomplete	-----	0 grade points

The grade "I" is recorded for work which is acceptable but which is incomplete for reasons acceptable to the instructor. A grade of incomplete may be recorded only if arrangements with the instructor have been made prior to the end of the semester. If the work is completed by the close of the next semester in which the course is offered and in which the student is enrolled, the grade is changed to that earned; otherwise, it is automatically changed to an "F."

Course reports filed by instructors at the end of each semester are final.

Any student who desires to obtain his scholarship grades must deposit with the Registrar, at the end of each semester, a self-addressed stamped envelope for this purpose.

## WITHDRAWAL FROM CLASS

Forms for official withdrawal from class may be obtained in the Registrar's Office.

If a student officially withdraws from class during the first six (6) weeks of a semester, a grade of "W" will be recorded upon his permanent record for each course he has dropped. If he withdraws during the remainder of the semester, either a "WP" or an "F" will be recorded, depending on whether he is doing at least "C" level work at the time.

Students who withdraw from a course without official notice to the Registrar will automatically receive an "F" for that course.

## GRADUATION WITH HONORS

To graduate with "Honors" a student must have completed 56 units of course work at Los Angeles State College of Applied Arts and Sciences with a grade point average of 2.40 or better. Graduation with "High Honors" requires 56 units of course work with a grade point average of 2.60 or better.

## APPLICATION FOR GRADUATION

An application, provided by the Registrar's Office, should be filed early in the semester preceding the semester in which the applicant expects to complete the work required for a degree. Consult calendar dates for filing such application.

## COMMENCEMENT EXERCISES

Commencement exercises are held at the end of each spring semester. All students who have completed their requirements for graduation are eligible to participate. Students who complete their requirements at the end of a Summer Session or at the end of a fall semester may participate in the commencement exercises at the end of the next spring semester.



### PETITIONS

Any variation from the regular procedure as outlined in this catalog must be approved by the Petitions Committee. Petition forms may be obtained from the Office of the Registrar. These forms should bear a request that is clearly stated, concise, but containing all necessary facts. When the request affects the entire college, such as the waiving of any of the general requirements, the petition should be left with the Registrar's Office for action by the Petitions Committee. When the request pertains only to the requirements of a department or division, the student should take it first to the major adviser concerned, then to his division or department head for signatures, before filing the petition with the Registrar. When the petition concerns only the Registrar's Office (change of name, address, etc.) no signatures are necessary before filing. Students should call at the Registrar's Office to learn decisions of the Petitions Committee.

### EXAMINATIONS

Final examinations are required in all courses. No final examination shall be given to individual students before the regular time. Any student who finds it impossible to take a final examination on the date scheduled must make arrangements with the instructor to have an incomplete grade reported and must take the deferred final examination not later than the end of the first semester of attendance following that in which the incomplete was given. No exception shall be made to this rule without the written approval of the instructor, the chairman of the division and the Dean of Instruction.

### CREDIT BY EXAMINATION

1. State college will give credit by examination in only those courses taught in state college.
2. Unit credit will be given.
3. Grade points will be awarded.
4. Transcripts from this college to show that credit was obtained through examination.
5. To be eligible to take examinations to obtain credits a student must be registered for more than six units of work. The examinations must be taken during the first semester of residence. Credits so earned will not count toward residence credit. Students must obtain application blanks from the Registrar, pay a fee of \$2 per examination to the Business Office and make arrangements with the Dean of Instruction for the examination.

## GENERAL FEES

Registration—regular students (carrying more than 5 units)	
Tuition and service fee, per semester	\$14.00
Student Body fee, per semester (not a state fee)	10.00
	<hr/>
	\$24.00
Registration—limited students (carrying 5 or fewer units)	
Tuition and service fee, per unit	\$3.25
Student Body fee, per semester (not a state fee)	1.00
Other fees	
* Extension, per unit	\$6.00 plus
Change of program	1.00
Diplomas, for graduating seniors	3.00
Evaluation of credits for entrance	2.00
Failure to meet administratively required appointment or time limit	2.00
Late registration	2.00
Library books or materials overdue, damaged, or lost (Consult the library for schedule of fees)	
Studio lesson (for private instruction)	1.00 to 4.00
Transcript of records (after first copy)	1.00

Auditors pay the same fees as the other students. There is no additional fee for non-residents.

Upon withdrawal from the college, a portion of the fees may be returned according to a schedule set by the State Administrative Code. Application for such refund must be made at Business Office before deadline date each semester. See Business Office for details.

## PREPROFESSIONAL EDUCATION

A number of reasons favor the student's taking three or four year's liberal arts education before entrance to a professional school: (1) the growing number of professional schools that require three or four years of college education as a prerequisite for admission; (2) the intense competition among students for admission to the professional schools has so raised the requirements that few who have completed only the minimum essentials are accepted; (3) the greater level of performance in the professional school on the part of those who have first earned a Bachelor's Degree; (4) the increased success in later professional practice by those who have preceded their professional training with a college education, and (5) the security value of having a Bachelor's Degree in case a student cannot gain entrance to a professional school or must withdraw soon thereafter.

These statements apply to such professional schools as law and the various medical schools of dentistry, medicine, pharmacy, and veterinary science.

**Law**

On account of the tremendous breadth of knowledge called upon in the legal profession, an acquaintanceship with all the social sciences usually forms the recommended preparation. The appropriateness of concentration in the social sciences of economics, history, government, psychology, and sociology is evident.

At Los Angeles State College the prelegal preparation consists of a major in Government, with a minor in Economics, History, Psychology, or Sociology. See prelegal curriculum, page 151. The adviser is Mr. Black.

**Medicine**

The usual preparation for the various medical professions consists of a major in Zoology or in Biological Science. For aid in selecting a sequence of courses in this major, a minor, and the electives, see Dr. Anderson.

\* Additional prorated charges may be necessary to cover the cost of instruction such as rent, instructor's travel, etc.

## Tuition Fee Revision

4 units or more \$14.00 (total fee)

3 units or less 7.50 (total fee)



## GENERAL REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

*Required Curriculum.* Each student of a state college to qualify for graduation shall complete with a grade-point average of 1.0 (grade "C" on a 5-point scale) or better, a pattern of courses to include the following:

(a) General education, minimum----- 45 semester units

General education is broad, nonspecialized education taken by all students regardless of their majors. Students will find it advantageous to take most of these general education requirements during their first two years of college.

The courses in general education shall be distributed in the following manner:

(1) Social sciences ----- 9

The social sciences shall include required instruction in U. S. history, constitution and American ideals and courses in the fields of anthropology, economics, geography, history, political science, sociology, and similar fields. Courses must be selected from two or more of these fields.

(2) Natural sciences ----- 9

Natural sciences shall include the fields of astronomy, botany, chemistry, geology, physics, physiology, zoology, and similar fields. At least one three-unit course must be selected from a physical science and one from a life science.

(3) Literature, philosophy or the arts ----- 6  
(fine and practical arts not to exceed 3 of the 6 units)

(4) Health and physical education ----- 4

(5) Oral and written expression ----- 6

(6) Psychology ----- 2

(7) Additional units in general education ----- 9

These units shall include a course or the equivalent in fire prevention. A student may elect not over 6 semester units of this requirement in courses in foreign language.

(b) Major (Student must have a "C" average)

See department major program for total units. The maximum number of units shall be in addition to any units taken in the field of the major to fulfill the 45 semester unit general education requirement.

(c) Minor (Student must have a "C" average)

See departmental minor program for total units.

(d) Additional units

Units to complete the 124 required for the degree may be used as electives or to meet other requirements.

(e) Total units required for the Bachelor of Arts Degree, of which at least 40 shall be in upper division credit----- 124 semester units

See also sections immediately following Requirements for Bachelor of Science Degree.

## GENERAL REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

*Required Curriculum.* Each student of a state college to qualify for graduation shall complete with a grade-point average of 1.0 (grade "C" on a 5-point scale) or better, a pattern of courses to include the following:

(a) General education, minimum ..... 45 semester units

General education is broad, nonspecialized education taken by all students regardless of their majors. Students will find it advantageous to take most of the general education requirements during their first two years of college.

The courses in general education shall be distributed in the following manner:

(1) Social sciences ..... 9

The social sciences shall include required instruction in U. S. history, constitution and American ideals and courses in the fields of anthropology, economics, geography, history, political science, sociology, and similar fields. Courses must be selected from two or more of these fields.

(2) Natural sciences ..... 9

Natural sciences shall include the fields of astronomy, botany, chemistry, geology, physics, physiology, zoology, and similar fields. At least one three-unit course must be selected from a physical science and one from a life science.

(3) Literature, philosophy or the arts ..... 6

(fine and practical arts not to exceed 3 of the 6 units)

(4) Health and physical education ..... 4

(5) Oral and written expression ..... 6

(6) Psychology ..... 2

(7) Additional units in general education ..... 9

These units shall include a course or the equivalent in fire prevention. A student may elect not over 6 semester units of this requirement in courses in foreign language.

(b) Major ..... 36 semester units

There shall be one major with a minimum of 36 semester units, exclusive of those courses used to meet the requirements of 45 units in general education.

(c) Total units required for the Bachelor of Science Degree... 124  
to  
132 semester units

A minimum of 124 semester units in college courses with an average of "C" or better must be completed. Of these the last 24 units must be taken in residence. Any exception to this requirement must be approved by the Petitions Committee.

A student must complete within four years the major program he has chosen provided the requirements are not changed by the state code. If the major program is not completed within four years the student must have his program re-evaluated to comply with the new regulations in effect.



The requirements, set by California law, of American history and the Constitution of the United States must be met. This law requires that all graduates have demonstrated an understanding of United States government and history, including American institutions and ideals. The requirement may be satisfied by examination or by approved courses taken at this or other California institutions of higher learning.

## MASTER OF ARTS DEGREE

In 1949 the state colleges were authorized to grant the Master's Degree when it is accompanied by a teaching credential. Los Angeles State College of Applied Arts and Sciences does not as yet offer the Master's Degree.

### COURSES OF INSTRUCTION

#### EXPLANATORY NOTE

Course numbers indicate level of work. Courses 1-99 refer to the Los Angeles City College; number 100 or above are upper division Los Angeles State College courses; courses numbered 200 and above are graduate courses.

In general the letters A-B indicate the first and second semesters of a year course, with the A portion beginning in the fall, unless otherwise noted.

The unit value of the course is indicated by the Arabic numeral in parenthesis. Usually, but not necessarily, a semester unit corresponds to an hour of lecture, or three hours of laboratory, in addition to the time required for preparation.

Roman numeral I indicates that the course is offered during the fall; II, during spring; I, II indicates course offered both fall and spring.

The college has the right to withdraw any course listed in the schedule or add other courses thereto. The college may also set enrollment limits for any class.

The 200 series consist of graduate courses which require a considerably higher level of attainment, greater amount of preparation, and an ability to pursue independent, original, and critical work.

Enrollment in a graduate course is based on a bachelor's degree and evidence of the student's ability and preparation for the course. Specially competent seniors may occasionally be admitted upon the recommendations of the instructor and chairman.

# DIVISION OF APPLIED SCIENCE

## (Audiology, Engineering Technology, Nursing, and Police Administration)

### AUDIOLOGY

A. Helen Kennedy, Ph.D., Chairman, Department of Audiology

#### AIM AND SCOPE

The curriculum in Audiology is planned to help young people gain an understanding of the interrelated aspects of the hearing field with primary emphasis being placed on audiometric techniques and the educational therapeutic aspects of the work.

#### THE WORK-STUDY PROGRAM

Qualified students majoring in Audiology may participate in the work-study program and be placed with otological clinics, offices of otologists, hearing centers, industrial concerns and similar situations wherein practical experience is coordinated with the curriculum major. For information on the work-study program, see General Information, page 18.

#### REQUIREMENTS FOR B.S. DEGREE WITH A MAJOR IN AUDIOLOGY

It is recommended that the upper division work be based on a strong lower division program in electronics and/or physics. This is not essential, however, and may be based on lower division majors in psychology, secretarial science, speech, life science, nursing or social science. The lower division major requirements, as listed below, or their equivalent, must be fulfilled as part of the upper division requirement.

##### *Lower Division*

Physics (Basic Lab Course) -----	4 units
Physics of Sound -----	3 units
Anatomy and Physiology of the Ear -----	3 units
Disinfection and Sterilization Process -----	2 units
Introduction to Audiology -----	3 units
Audiometry -----	3 units
Fitting of Hearing Aids -----	1 unit
Hearing Aid Repair and Maintenance -----	3 units
Other units needed to meet the requirements for upper division standing (see General Requirements, page 30) -----	38-42 units

**60-64 units**

##### *Electives Must Include*

Elementary and Physiological Psychology -----	3 units
Philosophy (Inductive Logic & Scientific Method) -----	3 units
Fundamentals of Music -----	3 units
Chemistry -----	5 units
Physiology -----	3 units
Sociology -----	3 units
Economics -----	3 units



**Upper Division**

Aud. 100. Audiology .....	3 units
Sp. 131. American Phonetics.....	2 units
Sp. 134. Principles and Methods of Speech Therapy.....	3 units
Aud. 120. Speech Reading.....	3 units
Aud. 130. Auditory Training.....	2 units
Aud. 111. Diagnostic Audiometry.....	3 units
Aud. 112. Speech Audiometry.....	3 units
Sp. 136. Clinical Practice (Speech).....	1-5 units
Aud. 151. Audiometric Clinic.....	1-5 units
Aud. 152. Speech Reading Clinic.....	1-5 units
Aud. 153. Auditory Training Clinic.....	2-5 units
Additional units to complete the requirements for the B.S. degree (see General Requirements, page 30).....	24-40 units

**Recommended Electives**

Psy. 102. Psychology of Handicapped or.....	2 units
Psychology and Education of Exceptional Child.....	3 units
Ed. 102. Child Growth and Development or.....	2 units
Psy. 112. Child Psychology.....	3 units
Ed. 110. Educational Psychology.....	3 units
Psy. 108. Mental Hygiene.....	2 units
Psy. 160. Counseling and Interviewing.....	3 units
Psy. 116. Advanced Physiological Psychology.....	3 units

**COURSES OF INSTRUCTION****100. Audiology (3) I, II**

Designed to develop a concept of hearing and understanding of the problems of aural deviate. Included will be the basic principles of sound, the physiology of the ear, and the concepts of normal language development. (Formerly Education 153B and Education 200.)

**110. Audiometry (3) I, II**

Prerequisite: Audiology 100 or consent of instructor. Designed to meet the requirements of the school audiometrist certificate. Instruction and practice in the administration of hearing tests with major emphasis on the use of the frequency audiometer, the making of audiograms and reports. Consideration of California state laws and procedures relating to the identification of the aural deviate and to the establishment of clinics. Demonstrations of hearing aids. (Formerly Education 153A and Education 208.)

**111. Diagnostic Audiometry (3) II**

Prerequisites: Audiology 100 and 110. Instruction and practice will be given in advanced diagnostic audiometric techniques, including bone conduction, masking, balance, malingering and recruitment tests.

**112. Speech Audiometry (3) II**

Prerequisites: Audiology 100 and 110. Instruction and practice will be given in speech audiometric procedures for determining the speech threshold using spondee tests, auditory discrimination using PB lists and calculating the social adequacy index from these tests. Malingering and recruitment tests and hearing aid fitting with speech audiometry will be considered.

**120. Speech Reading (3) I, II**

Prerequisite: Audiology 100 (may be taken concurrently). Principles and methods of teaching speech reading to the aural deviate. Discussion of material, development and preparation of source collections for various age groups. (Formerly Education 113 and Education 204.)

**130. Auditory Training (2) I, II**

Prerequisite: Audiology 100 (may be taken concurrently). Principles and methods of training residual hearing; use of amplifying devices; demonstration and practice; preparation of graded materials. (Formerly Education 112 and Education 205.)

131. **Auditory Training for the Deaf (1) I, II**

Prerequisite: Audiology 100 and 130 (may be taken concurrently). Principles and methods of training residual hearing with gross sounds in the instances of most limited hearing.

151. **Audiometric Clinic (1-5) II**

Prerequisites: Audiology 100, 110, 111 and/or 112 (111 or 112 may be taken concurrently with consent of instructor). A situation designed to provide advanced students with practical experience in diagnostic audiometric procedures.

152. **Speech Reading Clinic (1-5) II**

Prerequisites: Audiology 100 and 120. A situation designed to provide advanced students with practical experience in speech reading.

153. **Auditory Training Clinic (1-5) II**

Prerequisites: Audiology 100 and 130. A situation designed to provide advanced students with practical experience in auditory training particularly where hearing aids are being used.



## ENGINEERING TECHNOLOGY

George W. Duncan, M.S., Associate Professor of Engineering and Head of the Department of Engineering Technology. Additional instructors from Los Angeles City College

### AIM AND SCOPE

The Engineering Technology curriculum in the Los Angeles State College comprises the last two years of a four-year program begun in a junior college and leads to the Bachelor of Science degree. The program is designed to meet the needs of industry and business for technologists on a level between the two-year technical institute student and a university engineering graduate. Where the university stresses research, design and creativeness, the state college stresses a functional and practical approach to construction technology, electrical-industrial technology, production and power technology, and plumbing technology. Provision is made for general, scientific, and technological education in each program.

### WORK-STUDY PROGRAM

The work-study program plays an important role in the Engineering Technology curricula and offers the qualified student many advantages found in few other schools.

1. It provides an integration between theory and practice, principles and applications.
2. It enables the student to gain experience in industrial employment and helps him select and prepare for the particular industrial field in which he wishes to seek employment at graduation.
3. It gives the student valuable contacts with employers.

See also the description of the Work-Study Program on page 19.

### Course Requirements in Technology

#### Lower Division

Preparation for Construction, Production, and Electrical Technology:

Mathematics through Calculus	12 units
Surveying	6 units
Descriptive Geometry	3 units
Materials of Construction	3 units
Steam and Gas Power	3 units
Additional units to meet the requirements for upper division standing (see General Requirements, page 30). Should include Drawing (2), Physical Geology (3), Accounting (4)	37 units
	64 units

### FIELD OF CONSTRUCTION

#### Upper Division

G.T. 101A. Strength of Materials	3 units
G.T. 101B. Strength of Materials Laboratory	1 unit
G.T. 102AB. Engineering Mechanics	6 units
G.T. 103A. Hydraulics	3 units
G.T. 105. Thermodynamics	3 units
C.T. 101. Stresses in Structures	3 units
C.T. 102. Masonry and Foundations	3 units
C.T. 103. Reinforced Concrete	2 units
C.T. 104. Roads and Pavements	3 units
C.T. 105. Specification and Cost Estimating	3 units
C.T. 106. Soil Mechanics	3 units
C.T. 107. Construction Equipment and Methods	3 units
E.T. 101. Direct and Alternating Current Circuits	4 units
Pl.T. 105. Water Treatment and Sewage Disposal	3 units
Bus. 108A. Commercial Law	3 units

*Upper Division—Continued*

Bus. 166. Industrial Accident Control.....	3 units
Additional units to meet the requirements for the bachelor's degree (see General Requirements, p. 30).....	19 units
	<hr/> 68 units

## FIELD OF PRODUCTION AND POWER

*Upper Division*

G.T. 101A. Strength of Materials.....	3 units
G.T. 101B. Strength of Materials Laboratory.....	1 unit
G.T. 102AB. Engineering Mechanics.....	6 units
G.T. 103A. Hydraulics.....	3 units
G.T. 105. Thermodynamics.....	3 units
G.T. 106. Heating, Air Conditioning, and Refrigeration.....	4 units
P.T. 102. Heat-Power Equipment.....	3 units
P.T. 103. Elements of Machine Design.....	3 units
P.T. 105. Inspection Organization and Methods.....	3 units
P.T. 107. Machine Design.....	3 units
P.T. 110. Power Plant Layouts.....	3 units
E.T. 101. Direct and Alternating Current Circuits.....	4 units
E.T. 102AB. Electrical Machines.....	6 units
Bus. 106. Business Organization and Reports.....	3 units
Bus. 161. Production Management.....	3 units
Bus. 163. Motion and Time Study.....	3 units
Bus. 166. Industrial Accident Control.....	3 units
Additional units to meet the requirements for the bachelor's degree (see General Requirements, p. 30). Should include Economics 102 (3).....	11 units
	<hr/> 68 units

## FIELD OF ELECTRICAL-INDUSTRIAL TECHNOLOGY

*Upper Division*

G.T. 101A. Strength of Materials.....	3 units
G.T. 101B. Strength of Materials Laboratory.....	1 unit
G.T. 102AB. Engineering Mechanics.....	6 units
G.T. 103A. Hydraulics.....	3 units
G.T. 105. Thermodynamics.....	3 units
G.T. 106. Heating, Air-Conditioning and Refrigeration.....	4 units
E.T. 101. Direct and Alternating Current Circuits.....	4 units
E.T. 102AB. Electrical Machines.....	6 units
E.T. 104. Basic Electronics.....	2 units
E.T. 105. Industrial Electronics.....	3 units
E.T. 106. Electrical System Layout.....	1 unit
E.T. 107. Electrical Codes and Standard Practice.....	2 units
E.T. 109. Industrial Control.....	3 units
E.T. 110. Industrial Plant Electrical Systems.....	3 units
E.T. 111. Electrical Communications.....	3 units
P.T. 102. Heat-power Equipment.....	3 units
Bus. 106. Business Organization and Reports.....	3 units
Bus. 166. Industrial Accident Control.....	3 units
Additional units to meet the requirements for the bachelor's degree (see General Requirements, p. 30). Should include Economics 102 (3).....	12 units
	<hr/> 68 units

## PLUMBING TECHNOLOGY CURRICULUM

*Lower Division*

Math. 9, 21.....	6 units
Physics 7, 21.....	8 units
C.E. 1, 10, 13.....	8 units
G.E. 18, 15, 7, 8, 9.....	13 units
P.L.E. 1, 2.....	6 units
Additional units to meet the requirements for upper division standing (see General Requirements, p. 30). Should include Drawing (2), Chemistry 9 (3).....	23 units
	<hr/> 64 units



*Upper Division*

G.T. 101A. Strength of Materials	3 units
G.T. 102AB. Engineering Mechanics	6 units
G.T. 103A. Hydraulics	3 units
G.T. 103B. Hydraulics Laboratory	2 units
G.T. 104. Advanced Hydraulics	3 units
G.T. 105. Thermodynamics	3 units
G.T. 106. Heating, Air Conditioning and Refrigeration	3 units
Pl.T. 102. Fire Sprinkling Systems	2 units
Pl.T. 103. Plumbing Estimating	2 units
Pl.T. 105. Water Treatment and Sewage Disposal	3 units
C.T. 108. Structural Design	4 units
P.T. 102. Heat-power Equipment	4 units
Bus. 106. Business Organization and Reports	3 units
Bus. 108A. Business Law	3 units
P.H. 120. Sanitation Bacteriology	3 units
Additional units to meet the requirements for the bachelor's degree (see General Requirements, p. 30). Should include Economics 102 (3)	22 units
	<hr/> 68 units

## COURSES OF INSTRUCTION

## GENERAL TECHNOLOGY

## G.T. 101A. Strength of Materials (3) I, II

Prerequisites: G.E. 8 or Math 12; Physics 21 and 7. Elastic and ultimate resistance of materials; stress analysis; deflections and combined stresses.

## G.T. 101B. Strength of Materials Laboratory (1) I, II

Prerequisites: Physics 21; G.T. 101A taken concurrently. One three-hour laboratory period per week. Tests of the ordinary materials of construction in tension, compression, and flexure; determination of elastic limit; yield point; ultimate strength; and modulus of elasticity.

## G.T. 102A-B. Engineering Mechanics (3-3) Year course, I, II

Prerequisites: Physics 21 or 1; G.E. 8 or Math 12 (may be taken concurrently). An introductory course in applied mechanics for technology students.

## C.T. 102. Masonry and Foundations (3) II

Prerequisites: G.T. 102A-B. A study of the fundamental principles of the behavior of fluids (both liquids and gases) as encountered in the industrial field. Hydraulic problems intensively studied and the mechanics of all fluids examined in the light of modern research.

## G.T. 104. Advanced Hydraulics (3)

See Pl.T. 104.

## G.T. 105. Thermodynamics (3) I, II

Prerequisites: G.E. 8, M.E. 3 or 13, or Physics 21; Chemistry 1 and 7 or 2. Energy transformations; thermal properties of gases and vapors; theoretical heat engine cycles; applications of elements of thermodynamics to industrial processes.

## G.T. 106. Heating, Air Conditioning and Refrigeration (3) II

Prerequisite: P.T. 102. Three lectures and one three-hour laboratory period per week. A comprehensive study and treatment of heating and air conditioning systems for residences, factories, office buildings, etc. A study of the refrigeration equipment use in domestic, commercial and industrial installations.

## G.T. 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Active, approved employment under the Work-Study Program. Analysis and reports of the student's performance; regular group meetings.

## CONSTRUCTION TECHNOLOGY

- C.T. 101. **Stresses in Structures (3) II**  
Prerequisites: G.T. 101A-B, 102A-B (102B may be taken concurrently). Two lectures and one three-hour laboratory. A study of the stresses in framed structures such as roof trusses and highway bridges.
- C.T. 102. **Masonry and Foundations (3)**  
Prerequisite: Junior standing. Three lectures. A study of building materials as used in the design and construction of foundations; masonry construction; steel construction and timberwork.
- C.T. 103. **Reinforced Concrete (2) I**  
Prerequisite: C.T. 101 (to be taken concurrently). Two lectures. A study of the design and current practices in the construction of reinforced concrete structures.
- C.T. 104. **Roads and Pavements (3) I**  
Prerequisite: Junior standing. Three lectures. A study of the design and construction of roads and pavements.
- C.T. 105. **Specifications and Cost Estimating (3) II**  
Prerequisite: Junior standing. Three lectures. A study of methods and procedures used in determining costs from the viewpoint of the contractor and construction engineer.
- C.T. 106. **Soil Mechanics (3) I**  
Prerequisite: Junior standing. Three lectures. A study of the properties of soil and their action as related to problems encountered in construction. Soil classification, soil tests, stresses in soils, settlement and soil bearing capacity.
- C.T. 107. **Construction Equipment and Methods (3) I**  
Prerequisite: Junior standing. Lectures, field trips and assigned problems. A study of modern equipment and construction procedures.
- C.T. 108. **Structural Design (4) I**  
Prerequisites: G.T. 101A, 102A-B (102B taken concurrently). Two lectures and two three-hour laboratory periods per week. Structural drafting and elementary design problems based on the algebraic and graphical analysis of stresses in roof and bridge trusses and building frames.

## ELECTRICAL TECHNOLOGY

- E.T. 101. **Direct and Alternating Current Circuits (4) I, II**  
Prerequisites: Physics 3 or E.E. 3, or E.E. 10, and basic calculus. Three lectures and one three-hour laboratory per week. Review of fundamental units and concepts; resistance, inductance, and capacitance in electrical circuits; series and parallel circuits, and networks; polyphase circuits; power and power factor; elements of electronic circuits, and rectifiers; electrical instruments and measurement.
- E.T. 102A. **Electrical Machines I (3) II**  
Prerequisite: E.T. 101 or equivalent. Three lectures and one three-hour laboratory per week. A study of direct and alternating current machinery including: machine construction and winding; the magnetic circuit; direct and alternating current motors and generators; transformers; power factor corrections; elements of electrical transmission and distribution; electrical heating; metering of electrical energy and rates.
- E.T. 102B. **Electrical Machines II (3) I**  
Prerequisites: E.T. 102A or equivalent. Two lectures and one three-hour laboratory per week. A continuation of E.E. 102A. More advanced topics in the study of motors, generators and transformers; rotary converters; voltage regulators; welding machines and other special applications.



**E.T. 104. Basic Electronics (2) II**

Prerequisite: E.T. 101. One lecture and one three-hour laboratory per week. Introduction to electronic theory, and a study of vacuum and gas filled electronic tubes.

**E.T. 105. Industrial Electronics (3) II**

Prerequisites: E.T. 102A and E.T. 104. Two lectures and one three-hour laboratory per week. A study of industrial electronic circuits and devices.

**E.T. 106. Electric System Layout (1) II**

Prerequisites: E.T. 101; E.T. 102A (may be taken concurrently). One three-hour laboratory per week. A study of basic electrical symbols and their application to the layout of power and control systems.

**E.T. 107. Electrical Codes and Standard Practice (2) II**

Prerequisites: E.T. 101; E.T. 102A (may be taken concurrently). Two lectures per week. A study of national and local electrical safety codes, and their application to the design and installation of wiring systems, and the installation of power apparatus. Standard practice for such installations.

**E.T. 109. Industrial Control (3) I**

Prerequisites: E.T. 102A and E.T. 106. Two lectures and one three-hour laboratory per week. A study of manual and magnetic motor control devices and systems.

**E.T. 110. Industrial Plant Electrical Systems (4) II**

Prerequisites: E.T. 107 and E.T. 109. Three lectures and one two-hour computation period per week. Primary and secondary distribution systems for industrial plants; calculation of fault currents; overload and fault current protection; substations, switchgear and metering; signaling circuits and devices; industrial illumination.

**E.T. 111. Electrical Communication (3) II**

Prerequisite: E.T. 104. Three lectures per week. A brief study of the entire field of electrical communication including telephone, telegraph and radio.

**PRODUCTION TECHNOLOGY****P.T. 102. Heat Power (3) II**

Prerequisite: G.T. 105. Two lectures and one three-hour laboratory per week. Elements of heat transmission and related equipment. Heat engines using gases and vapors, with attention to their actual forms and thermodynamic cycles as well as to their ideal cycles. Economic aspects of heat power and heat transfer equipment.

**P.T. 103. Elements of Machine Design (3) II**

Prerequisites: G.T. 101A, 102A-B (102B taken concurrently). Three lectures per week. Application of the principles of mechanics, selection of materials and fabrication processes to the design of simple machine parts.

**P.T. 105. Inspection Organization and Methods (3) I**

Prerequisite: Senior standing. Three lectures per week. A study of approved methods for increasing effectiveness; simple procedures for reducing costs of inspection. Specified functional procedures are outlined for planning, organizing and operating the inspection department. A study of the data necessary for the orderly planning, accomplishing and recording of inspection, examination and testing of product.

**P.T. 107. Machine Design (3) I**

Prerequisite: P.T. 103. One lecture and two three-hour laboratory periods per week. The application of the principles of engineering mechanics and strength of materials to the design of a complete machine.

**P.T. 110. Power Plant Layout (3) II**

Prerequisites: G.T. 105, P.T. 102. Two lectures and one three-hour laboratory period per week. A study of power plant equipment to give the student a real understanding of the part each piece of apparatus plays in the plant as a whole.

**PLUMBING TECHNOLOGY****PL.T. 101. Fluid Mechanics Laboratory (2) I**

Prerequisite: G.T. 103A (can be taken concurrently). Two three-hour laboratory periods per week. A study of flow problems in complex pipe systems, surge tanks, and in unsteady motion and causes of water hammer.

**PL.T. 102. Fire Sprinkler Systems (2) I**

Prerequisites: G.T. 103A and PL.T. 101. Two lectures per week. A study of the pressures required, types of orifices, spray conditions required to combat fire, thermal consideration of the system, and the ordinances involved in the construction of spray stems for proper fire control.

**PL.T. 103. Plumbing Estimating (2) II**

Prerequisites: PL.T. 102, 105 (105 to be taken concurrently). Two lectures per week. This course is a presentation of topics about time studies, on-the-job labor conditions, cost of materials, and other factors which influence the estimation costs of plumbing.

**PL.T. 104. Advanced Hydraulics (3) I**

Prerequisites: G.T. 103A, PL.T. 101. Three lectures per week. A study of the design, construction and installation of hydraulic machinery and equipment.

**PL.T. 105. Water Treatment and Sewage Disposal (3) II**

Prerequisite: Junior standing. Three lectures per week. A study of the elements of water purification, sewage treatment, and refuse disposal.



## NURSING

Rebecca C. Bosworth, R.N., M.S., Chairman of Department of Nursing.

### AIM

It is the purpose of the Department of Nursing, in cooperation with local hospital schools of nursing,

1. To provide a program which will help the student to develop technical skills, a sense of responsibility, and an understanding of the relationship of the profession to the maintenance of health, prevention of disease, and curative aspects of nursing in the community.
2. To provide for the development of keen observation which will help the student to recognize health needs of the individual and the community.
3. To develop a cooperative spirit which will enable the student to work with other people and organizations for the improvement of health.
4. To develop a skill in teaching specialized knowledge to professional and non-professional individuals to promote the conservation and restoration of health.
5. To provide a curriculum which satisfies the requirements for the degree of Bachelor of Science with a major in Nursing and for a certificate in Nursing as outlined by the Board of Nurse Examiners of the State of California.

### SCOPE

The curriculum is planned to aid the following groups of students :

#### Plan I—Teachers of Nursing

All professional nursing courses of undergraduate level are provided as a background for teaching. In cooperation with the Department of Education, a Special Secondary Credential in Nursing Education is offered with the completion of required courses in the field of education.

#### Plan II—Applied Nursing Majors

Professional courses include basic principles and skills in the field of nursing to prepare graduates for first level positions in the wards and clinics of accredited hospitals.

The program of study includes three semesters in the pre-nursing field of a junior college, followed by three years' enrollment in an affiliated hospital. The Bishop Johnson College of Nursing in the Hospital of the Good Samaritan, and the Hollywood Presbyterian Hospital School of Nursing have applied and been approved by the State Department of Education.

Students desiring to follow the nursing curriculum should consult the chairman of the nursing department of Los Angeles State College of Applied Arts and Sciences and the Educational Director of the affiliated hospital.

### REQUIREMENTS FOR A B.S. DEGREE WITH A MAJOR IN NURSING

#### Lower Division

English 1, 2. Reading and Composition.....	6 units
Psychology 21. Introduction to Psychology.....	3 units
Sociology 1, 2. Introduction to Sociology.....	6 units
Chemistry 9. General Applied Chemistry.....	5 units
Microbiology 21. General Microbiology.....	4 units
Microbiology 5. Elements of Public Sanitation.....	1 unit
Anatomy 20. Systematic Human Anatomy.....	5 units
Physiology 3. General Physiology.....	5 units
History 10. History of the United States.....	2 units
Political Science 10. American Political Institutions.....	2 units
Home Economics 32. Nutrition and Cookery.....	3 units
Home Economics 34. Diet Therapy.....	3 units
Nursing 24. History of Nursing.....	3 units
Nursing 40. Mathematics of Drugs and Solutions.....	3 units

*Lower Division—Continued*

Nursing 41. Pharmacology and Therapeutics	3 units
Physical Education	2 units
Additional units to meet requirements for upper division standing (see General Requirements, p. 30). Electives must include Literature (3), Public Speaking (3)	8 units
	<hr/> 64 units

*Upper Division*

Nursing 100A-B. Professional Adjustments	3 units
Nursing 101. Medical-Surgical Nursing	5 units
Nursing 102. Medical-Surgical Nursing	5 units
Nursing 103. Pediatric Nursing	4 units
Nursing 104. Psychiatric Nursing	3 units
Nursing 105. Medical-Surgical Specialties	5 units
Nursing 106. Tuberculosis Nursing	3 units
Nursing 107. Obstetrical Nursing	2 units
Nursing 108. Survey of Public Health Nursing	3 units
Nursing 111. Principles of Nursing Education	2 units
Nursing 112. Nutrition in Family Health Service	2 units
Nursing 116. Nursing Arts	6 units
Other courses to meet the requirements for a Bachelor's Degree (see General Requirements, p. 30)	11 units
	<hr/> 64 units

**MINOR REQUIREMENTS FOR NURSE MAJORS**

Nurses must have a minor in a selected field. See various departments.

**REQUIREMENTS FOR A SPECIAL SECONDARY CREDENTIAL  
IN NURSING EDUCATION***Upper Division*

Education 130. Counseling and Guidance <i>or</i>	2-3 units
Education 107. History and Philosophy of Education	3 units
Education 110. Educational Psychology	3 units
Psychology 113. Psychology of the Adolescent	3 units
Education 170. Principles, Curriculum and Observation	3 units
Education 193. Methods and Materials in Secondary Schools	2 units
Education 250. Directed Teaching in Secondary Schools	4 units

See also Division of Education for other requirements, p. 69.

**RELATED COURSES**

Psychology 108. Mental Hygiene	2 units
Psychology 110. Abnormal Psychology	3 units
Sociology 156. Fields and Trends in Social Work	3 units
Sociology 170. Introduction to Social Case Work	3 units
Sociology 103. Marriage and the Family	3 units
Microbiology 103. Medical Bacteriology	5 units
Microbiology 105. Viruses	2 units

**COURSES OF INSTRUCTION****100A. Professional Adjustments (1) I**

Prerequisite: Enrollment in affiliated hospital school. Instruction and guidance in the establishment of personal and professional standards in nursing.

**100B. Professional Adjustments (2) II**

Prerequisites: Nursing 100A and enrollment in affiliated hospital school.

**101. Medical-Surgical Nursing (5) I**

Prerequisite: Enrollment in affiliated hospital school. Orientation to medical science, general medical and surgical conditions and community nursing. An overview of causes and manifestations underlying pathology, diagnosis and treatment, and prevention and control of disease.



**102. Medical-Surgical Nursing (5) II**

Prerequisite: Nursing 101 and enrollment in affiliated hospital school. A continuation of general medical and surgical nursing with emphasis on the social aspects of illness and further integration of community nursing. Conditions of the gastro-intestinal, liver and biliary, circulatory, endocrine, and respiratory systems.

**103. Pediatric Nursing (4)**

Prerequisite: Enrollment in affiliated hospital school. Physical and mental development of normal children, including their care and feeding. Common diseases of infancy and childhood, preventive measures, and medical and nursing care.

**104. Psychiatric Nursing (3)**

Prerequisite: Enrollment in affiliated hospital school. Principles of mental hygiene and the etiology, symptomatology, treatment, special therapy, and nursing care of the more common types of mental diseases.

**105. Medical-Surgical Specialities (5)**

Prerequisites: Nursing 101, Nursing 102 and enrollment in affiliated hospital school. A continuation of medical and surgical nursing and community nursing with special reference to conditions of the nervous system; skin; eye, ear, nose and throat; urinary and musculo-skeletal systems; operating room proceedings; communicable diseases, and gynecology.

**106. Tuberculosis Nursing (3)**

Prerequisite: Enrollment in affiliated hospital school. The medical and social aspects of tuberculosis, including control programs, nursing measures, and rehabilitation.

**107. Obstetrical Nursing (2)**

Prerequisite: Enrollment in affiliated hospital school. Principles of normal and abnormal aspects of pregnancy, labor, delivery, and puerperium with nursing care of mother and new born.

**108. Survey of Public Health Nursing (3)**

Prerequisite: Registered nurse or enrollment in affiliated hospital school. A survey of public health history, organization, philosophies, and programs. Emphasis on the role of the public health nurse.

**111. Principles of Nursing Education (2)**

Prerequisite: Registered nurse or enrollment in affiliated hospital school. An introduction to Nursing Education for those who plan to enter the field of administration or teaching in schools of nursing. Emphasis on the application of Nursing Education to clinical programs.

**112. Nutrition in Family Health Service**

Prerequisites: Home Economics 32, Home Economics 34 or equivalent. Registered nurse or enrollment in affiliated hospital school. Nutrition and food service problems presented by families in moderate and low income groups. Special consideration of the various age and dietary needs within the family group, to the problems of food purchasing, and to the adaptation of both American and foreign food habits to meet good nutritive standards. Covers the content of H.E. 112 UCLA.

**116. Nursing Arts (6)**

Prerequisite: Enrollment in affiliated hospital school. Principles and practice of elementary procedures used in giving nursing care to patients. Includes personal hygiene, preservation of health, and prevention of disease. Nursing care is practiced in the classroom and in the patient's unit of the hospital.

# POLICE SCIENCE AND ADMINISTRATION

William R. Barker, Ph.D., Chairman of the Department

The teaching staff is chosen from specially qualified personnel, including members of law enforcement agencies in the Southern California area.

## I. PRESERVICE TRAINING

### Curriculum leading to the B.S. Degree in Police Science for Preservice Students

The general public, law enforcement agencies, and many collegiate institutions throughout the country are giving increasing attention to the elevation to professional status of the several forms of police work. The Department of Education of the State of California has authorized Los Angeles State College to undertake a program to prepare qualified students for police service and has approved this curriculum leading to the B.S. degree in police science. It is contemplated that the student will complete the two-year peace officer curriculum at Los Angeles City College, or equivalent work elsewhere, before matriculating as a police science major in Los Angeles State College.

NOTE—The semester-year order in which these courses are taken is subject to some change so as to accommodate individual student interests and administrative revisions. A student may make no substitutions, however, without specific approval and recommendation from his adviser. The degree requires 128 units, including at least 48 units of work in police science; not less than 28 units must be upper division.

#### *Freshman Year*

Law 17. Criminal Law I.....	3 units
Law 20. Police Civil Law.....	3 units
Law 23. General Administration of Justice.....	3 units
Law 41. Police Organization and Field Intelligence.....	2 units
P.E. 40 and 41. Weaponless Defense.....	3 units
Physical Education activity.....	1 unit

Other units needed to meet the requirements for upper division standing (see General Requirements, page 30).....	17 units
	32 units

#### *Sophomore Year*

Law 18. Criminal Law II.....	3 units
Law 26. Police Literature.....	3 units
Law 30. Automobile Law.....	3 units
Law 42. Criminal Investigation.....	2 units
Law 44. Scientific Criminal Investigation and Physical Evidence.....	3 units
Law 45. Criminology and Penology.....	3 units
P.E. 25. Safety Education and First Aid.....	2 units
Physical Education activity.....	1 unit

* Other units needed to meet the requirements for upper division standing (see General Requirements, page 30).....	12 units
	32 units

#### *Junior Year*

Police Science 132. Evidence for Law Enforcement Officers.....	3 units
Police Science 134. Police Patrol.....	3 units
Police Science 135. Criminal Procedure.....	3 units
Police Science 136. Police Patrol.....	3 units
Police Science 137. Advanced Police Laboratory.....	3 units
Government 104. Municipal Government.....	3 units
Government 160. Principles of Public Administration.....	3 units

Other courses necessary to make the total required for a bachelor's degree (see General Requirements, page 30).....	10 units
	32 units



*Senior Year*

Police Science 131AB. Police Administration .....	4 units
Police Science 133. Police Personnel Supervision .....	3 units
Police Science 138. Advanced Criminal Investigation .....	3 units
Police Science 139. Traffic Regulation and Control .....	3 units
Police Science 140. Police Deployment .....	2 units
Police Science 141. Juvenile Law .....	3 units
Psychology 110. Abnormal Psychology .....	3 units
Physical Education .....	1 unit
Other courses necessary to make the total required for a bachelor's degree (see General Requirements, page 30) .....	10 units
	<hr/> 32 units

**II. INSERVICE TRAINING****Curriculum Leading to the B.S. Degree in Police Science for Sworn Police Officers**

This program has been prepared to serve active police officers who wish to improve their proficiency and status through continued study of police work and administration leading to the B.S. degree in police science. The peace officers' curriculum of Los Angeles City College, or equivalent training elsewhere, must be completed before upper division work may be undertaken in Los Angeles State College. Courses are offered in both day and extended-day sessions to accommodate officers on all shifts.

NOTE—It is strongly urged that the semester-year programs be followed as closely as possible. Should rearrangement or revision be desirable or necessary, students must secure the approval of their adviser in advance so as to avoid difficulties in meeting graduation requirements.

*Freshman Year*

Law 17. Criminal Law I .....	3 units
Law 20. Police Civil Law .....	3 units
P.E. 40. Weaponless Defense .....	1½ units
Other units needed to meet the requirements for upper division standing (see General Requirements, page 30) .....	24½ units
	<hr/> 32 units

*Sophomore Year*

Law 18. Criminal Law II .....	3 units
Law 26. Police Literature .....	3 units
Law 30. Automobile Law .....	3 units
Law 42. Criminal Investigation .....	3 units
Law 44. Scientific Criminal Investigation and Physical Evidence .....	3 units
P.E. 41. Weaponless Defense .....	1½ units
Physical Education activity .....	1 unit
Political Science 1. Introduction to Government .....	3 units
Biology 40. Police Biological Science .....	3 units
Other units needed to meet the requirements for upper division standing (see General Requirements, page 30) .....	9½ units
	<hr/> 32 units

*Junior Year*

Police Science 132. Evidence for Law Enforcement Officers .....	3 units
Police Science 134. Police Ethics .....	3 units
Police Science 135. Criminal Procedure .....	3 units
Police Science 136. Police Patrol .....	3 units
Police Science 137. Advanced Police Laboratory .....	3 units
Police Science 146. Police Teaching Techniques .....	3 units
Government 104. Municipal Government .....	3 units
Government 160. Principles of Public Administration .....	3 units
Other courses necessary to make the total required for a bachelor's degree (see General Requirements, page 30) .....	8 units
	<hr/> 32 units

*Senior Year*

Police Science 131AB. Police Administration .....	4 units
Police Science 133. Police Personnel Supervision .....	3 units
Police Science 138. Advanced Criminal Investigation .....	3 units
Police Science 139. Traffic Regulation and Control .....	3 units
Police Science 140. Police Deployment .....	2 units
Police Science 141. Juvenile Law .....	3 units
Police Science 199. Special Police Problems .....	3 units
Other courses necessary to make the total required for a bachelor's degree (see General Requirements, page 30) .....	11 units
	<hr/>
	32 units

## COURSES OF INSTRUCTION \*

Prerequisites: Completion of pertinent introductory courses in the Los Angeles City College Peace Officers' Curriculum, or equivalent, or consent of the instructor.

- 131A-B. **Police Administration (2-2) Year course**  
 Analysis of the functional divisions of the modern police department; applications of principles of organization and administration; structure and functions of the police record system; police statistical methods; administrative reports and analyses.
132. **Evidence for Law Enforcement Officers (3) I**  
 Leading rules and principles of exclusion and selection; burden of proof; nature and effect of presumption; proof of authenticity and contents of writings; examination, competency, and privilege of witnesses; respective functions of court and jury. (Formerly Criminal Evidence)
133. **Police Personnel Supervision (3) II**  
 Administration of police personnel; setting up entrance standards; techniques of selection and examination; training; probation; rating; promotion; discipline; morale; promotional examination and merit system.
134. **Police Ethics (3) I, II**  
 General considerations in the relationship of actions to motives; concepts of ethical conduct and the rules and principles used to direct them; institutional ethics; personal and professional standards; historical problems in ethics from the law enforcement point of view; present day conflicts and compromises.
135. **Criminal Procedure (3) II**  
 Criminal procedure from apprehension to conviction, based on the Penal Code of California; arrest with and without warrants by police officers; arrest by private citizens; extradition proceedings; information and indictment; functions of the grand jury and coroner's inquest; procedure at the trial; appeals and new trials.
136. **Police Patrol (3) I, II**  
 Responsibilities, powers, and duties of the uniformed patrolman; patrol procedure; mechanics of arrest; transportation of prisoners; raids; riot and crowd control; crime prevention functions of the officer on patrol.
137. **Advanced Police Laboratory (3) I, II**  
 Lectures, demonstrations and actual use of laboratory equipment in the collection, preservation, analysis, and interpretation of physical evidence of various types, including: footprints, tiretracks, toolmarks, blood, hair, textiles, stains, dust, dirt and debris; narcotic identification and determination of intoxication; casing, moulage, photomicrography; spectrography; court presentation and expert testimony.

\* See Government, Psychology and Sociology for other courses in this field.



138. **Advanced Criminal Investigation (3) I, II**  
Modus operandi; sources of information; undercover techniques and informants; reconstructing the crime; departmental facilities and cooperation; coordination with other law enforcement agencies; mechanics of interviewing and taking of statements; observation and description; surveillance, notes, reports, and evidence in court. As time permits, investigative techniques applicable to specific crimes such as homicide, burglary, arson, etc., will be considered.
139. **Traffic Regulation and Control (3) I, II**  
Organization and functions of the police traffic division; educational, engineering, and enforcement methods; technique of the traffic survey; traffic accident investigation; elements of a sound traffic program.
140. **Police Deployment (2) II**  
An intensive study of deployment of police personnel on all levels; the watch; the division and over-all city and larger organization planning; disaster, and other emergency planning, including riot, parade, and crowd control.
141. **Juvenile Law (3) I**  
The California Juvenile Court Act, The Youth Authority, and other legislation governing juvenile delinquency and crime prevention; rights of juveniles as distinguished from those of adults; sociological and psychological development in California law in the prevention of crime by juveniles, including probation procedures and institutional care.
142. **Interrogation and Lie Detection (3) II**  
Survey of modern methods of handling witnesses, informants, and suspects; evaluation of so-called truth serums, lie-detectors, and other laboratory devices; the psychology and physiology involved in deception.
143. **Comparative Police Administration (3) I**  
A comparative approach to the study of administrative patterns in the police services of selected American cities and in European police systems.
144. **Police Photography (2) I**  
The application of photography to the police field with reference to the preservation of physical evidence and courtroom presentation.
145. **Forensic Ballistics and Explosives (2) I**  
Prerequisite: Permission of instructor. Lectures, demonstrations, and practical work in the preparation, analysis and court presentations of ballistics evidence, including weapons, projectiles, cartridges, propellants; commercial, military, and homemade explosives, their composition, stability, and destructive force.
146. **Police Teaching Techniques (3) II**  
Techniques and methods of development of teaching skills; desirable personality traits; tests and their evaluation; audio-visual methods; planning and curricula, including objectives, procedures and evaluations; basic principles and techniques in dealing with specialized problems.
147. **Correctional Administration (2) II**  
Aims and objectives of correctional administration; laws; records; public relations; types of personnel and relationships to programs, including custodial and noncustodial inter-relationships and divisions; physical plant and security; employment and care and treatment program.
148. **Police Public Relations (2)**  
Definition of public relations; coordination of internal and external public relations; staff agency; morale; press relations and releases; placing of news stories; mailing lists; proper use of photographs and cooperation with photographers; radio and television releases; press credentials; moving pictures; public appearances of peace officers; youth programs; exhibits, handouts, and brochures.

**149. County Ordinances (2) I**

Development of the ordinances of the County of Los Angeles; ordinance provisions and interpretations of concern to sheriff personnel, especially penal, licenses and traffic. Correlations among the sheriff, county counsel, district attorney, and the courts; relationship between county, state, and federal laws, and enforcement.

**151. Vice Control (3) I**

Code and case law dealing with vice; detection and suppression; apprehension and prosecution of violators; special consideration of lotteries and other forms of gambling and gambling methods, and of prostitution and other sex crimes from the law enforcement point of view.

**155. Criminology (3) I, II (see Sociology 155)**

Credit will not be given for both this course and Sociology 155.

**198 A-B-C-D. Field Assignment and Reports (1-4) I, II**

Prerequisite: Active approved employment under the Work-Study or Internship program. Analysis and reports of the student's performance; regular group meetings.

**199. Special Police Problems (3) I**

Studies designed to meet the special needs of students in their particular field of interest; assigned readings and a special report will be required. This course is required of all students majoring in Police Science. May be repeated for credit with the consent of the instructor.



# DIVISION OF BUSINESS AND ECONOMICS

Floyd R. Simpson, Ph.D., Chairman of the Division of Business and Economics

## BUSINESS ADMINISTRATION

Russell L. Chrysler, M.B.A., Associate Professor of Business Administration  
 Frank J. Hill, M.B.A., C.P.A., Associate Professor of Business Administration  
 Rodney F. Luther, Ph.D., Associate Professor of Business Administration  
 George N. Francis, B.A., C.P.A., Assistant Professor of Business Administration  
 Sib O. Hansen, B.S., C.P.A., Assistant Professor of Business Administration  
 Frank S. Wilson, B.A., Assistant Professor of Business Administration  
 \_\_\_\_\_, Assistant Professor of Business Administration  
 Bernard L. Hoyt, LL.B., Lecturer in Business Administration  
 Irvin Borders, B.S., Lecturer in Business Administration  
 Edward Rubin, A.B., LL.B., Lecturer in Business Administration

## BUSINESS EDUCATION

William H. Bright, M.B.A., Assistant Professor of Business Education

## ECONOMICS

Floyd R. Simpson, Ph.D., Professor of Economics  
 Leonard G. Mathy, Ph.D., Associate Professor of Economics (Department Head)  
 Maurice Dance, M.A., Assistant Professor of Economics  
 John C. Norby, M.A., Assistant Professor of Economics  
 Carter G. Jefferis, Ph.D., Assistant Professor of History  
 \_\_\_\_\_, Instructor in Economics

## I. BUSINESS ADMINISTRATION

### AIMS AND SCOPE

The course of study in the several fields of business administration is designed for two groups of students:

1. Those who plan to enter business or industry or the government service.
2. Those who wish to undertake advanced study beyond the bachelor's degree.

Majors leading to the B.A. degree are offered in the following fields:

	<i>Adviser</i>
Accounting .....	George N. Francis
Finance .....	Frank J. Hill
Industrial Management .....	Frank S. Wilson
Industrial Relations and Personnel .....	Maurice Dance
Marketing .....	Russell L. Chrysler
Executive Secretarial .....	William H. Bright
Special Business .....	Floyd R. Simpson

Nonmajor fields and their advisers include:

Business Law and Pre-Law .....	Bernard L. Hoyt
Government and Business, and Foreign Trade .....	Leonard G. Mathy
Insurance and Real Estate .....	Frank J. Hill
Labor and Statistics .....	Maurice Dance

The *Accounting* major develops the technical and professional competency necessary for the prospective accountant, public accountant, or Certified Public Accountant in business or government, or for one who intends to become a teacher of accounting.

The *Finance* major prepares the student to enter business as a trained worker in the finance department, or as a specialist in banking, insurance, and investments, or as a research analyst or budget specialist.

The *Industrial Management* major may concentrate in either production management or industrial sales. The former prepares the student for factory employment in such areas as production control, time and motion study, and methods analysis; the latter, for sales engineering in technical fields.

The *Industrial Relations* and *Personnel Management* major develops the skill in handling the human relations factor in industry, finance, education, government or labor unions that is required of managers, supervisors, conciliators, and similar officials.

The *Marketing* major prepares students for work in the merchandising or sales department of manufacturing, wholesaling, retailing, or foreign trade establishments.

The *Executive Secretarial* major develops secretaries on the executive level, who, because of their exceptional ability and background, are able to assume positions of more responsibility than those on the stenographic-secretarial level.

The *Special Business* major is a flexible program designed for special student needs not covered by the other majors above, or for those who wish to combine liberal amounts of business and economics training. Permission to take this major must be secured from the chairman of the division.

### THE WORK-STUDY PROGRAM

Qualified students majoring in any business sequency may participate in the work-study program and be placed with industrial or merchandising firms, insurance companies, banks, and similar business institutions wherein practical experience is coordinated with the curriculum major. For information on the work-study program see General Information, page 18.

In order to secure perspective and basic training, all business majors take a common core of lower and upper division courses, as follows:

#### Lower Division—Preparation for the Major

Principles of Accounting	6 units
Principles of Economics	3 units
Economic Geography	3 units
Business Law (Contracts and Sales)	3 units
Mathematics of Finance *	3 units
	18 units
Additional units to complete the General Requirements (proficiency in typing is recommended)	42 units
	60 units

#### Upper Division

##### A. Core requirements: \*

Business 103. Corporation Finance	3 units
Business 104. Principles of Marketing	3 units
Business 106. Business Organization and Reports	3 units
Business 108B. Commercial Law	3 units
Business 109. Business Statistics †	3 units
Business 131. Business Fluctuations and Forecasting	3 units
Economics 102. Labor Economics (or)	
Economics 103. Money, Credit and Banking	3 units
Economics 110. Economics of the Business Firm	3 units
One upper-division course in Accounting ‡	3-4 units
	27-28 units

All majors are required to take a proficiency test in the use of business machines not later than the end of the second semester in residence. (See adviser for details).

\* Those taking only Business 9, Mathematics of Accounting and Finance in Los Angeles City College, will need to take Business 191 in upper division.

† Students who have had a lower division course in statistics and earned a grade of "C" or above will take Business 190.

‡ Non accounting majors should take Business 100.



## B. The requirements of each business major are as follows :

## 1. Accounting

Core requirements (to include Money, Credit and Banking, and Intermediate Accounting) -----	28 units
Business 123. Cost Accounting -----	4 units
Business 120. Advanced Accounting -----	4 units
Business 121A-B. Federal Tax Accounting -----	6 units
Business 122. Industrial Accounting -----	2 units
Business 124. Auditing -----	4 units
Business 125. Corporation Accounting -----	2 units
Additional units to complete graduation requirements (see General Requirements, page 30) -----	14 units
	64 units

## 2. Finance

Core requirements (to include Money, Credit and Banking) -----	27 units
Business 130. Credit and Collections -----	3 units
Business 132. Investments -----	3 units
Business 133. Public Finance -----	3 units
Business 134. Budgeting -----	3 units
Business 135. Banking and Business -----	3 units
Business 180. Law of Negotiable Instruments -----	3 units
Business 194. Insurance Principles -----	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) -----	16 units
	64 units

## 3. Industrial Management

## (a) Production Management

Core requirements (to include Labor Economics) -----	27 units
Business 160. Industrial Management -----	3 units
Business 161. Production Management -----	3 units
Business 162. Industrial Equipment and Processes -----	3 units
Business 163. Motion and Time Study -----	3 units
Business 164. Production Control -----	3 units
Business 169. Applications of Industrial Management -----	3 units
Business 171. Management and Human Relations -----	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) -----	16 units
	64 units

(or)

## (b) Industrial Sales Management

Core requirements -----	27 units
Business 142. Salesmanship -----	3 units
Business 143. Sales Management -----	3 units
Business 149. Marketing Research Problems -----	3 units
Business 160. Industrial Management -----	3 units
Business 162. Industrial Equipment and Processes -----	3 units
Business 165. Industrial Purchasing -----	3 units
Business 169. Applications of Industrial Management -----	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) -----	16 units
	64 units

(Business 145—Wholesaling—is recommended as a desirable elective).

4. Industrial Relations and Personnel Management	
Core requirements (to include Labor Economics) .....	27 units
Business 160. Industrial Management .....	3 units
Business 166. Industrial Accident Control .....	3 units
Business 169. Applications of Industrial Management .....	3 units
Business 171. Management and Human Relations .....	3 units
Business 172. Industrial Relations .....	3 units
Business 173. Personnel Management .....	3 units
Business 174. Labor Legislation .....	3 units
A minor in Industrial Psychology is required .....	9 units
Additional units to complete graduation requirements (See General Requirements, page 30) .....	7 units
	<hr/>
	64 units
5. Marketing	
(a) General Marketing	
Core requirements .....	27 units
Business 130. Credit and Collections .....	3 units
Business 140. Advertising .....	3 units
Business 142. Salesmanship .....	3 units
Business 143. Sales Management .....	3 units
Business 144. Retail Store Management .....	3 units
Business 145. Wholesaling .....	3 units
Business 149. Marketing Research .....	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) .....	16 units
	<hr/>
	64 units
	(or)
(b) Traffic and Transportation	
Core requirements .....	27 units
Business 150. Principles and Practices of Foreign Trade .....	3 units
Business 151. Commodities of International Commerce .....	3 units
Business 153. Principles of Transportation .....	3 units
Business 154. Traffic Management .....	3 units
Business 155. Motor Transportation Practices .....	3 units
Business 195. Property and Casualty Insurance .....	3 units
Geography 121. Geography of Anglo-America .....	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) .....	16 units
	<hr/>
	64 units
	(or)
(c) Foreign Trade	
Core requirements .....	27 units
Business 130. Credits and Collections .....	3 units
Business 145. Wholesaling .....	3 units
Business 150. Principles and Practices of Foreign Trade .....	3 units
Business 151. Commodities of International Commerce .....	3 units
Business 152. International Commercial Policies .....	3 units
Business 153. Principles of Transportation .....	3 units
Business 154. Traffic Management .....	3 units
(One area course in Geography and Government 126 International Law are highly recommended.)	
Additional units to complete graduation requirements (See General Requirements, page 30) .....	16 units
	<hr/>
	64 units



## 6. Executive Secretarial

Typing skill of 50 words per minute and shorthand skill of 90 words per minute are prerequisites.

Core requirements .....	27 units
Business 101. Business Correspondence .....	3 units
Business 110. Advanced Secretarial Procedure .....	2 units
Business 111A-B. Applied Secretarial Practice .....	4 units
Business 112. Business Machines .....	2 units
Business 113. Office Management .....	3 units
Business 173. Personnel Management .....	3 units
Business 182. Preventive Law .....	3 units
Psychology 145. Social Psychology .....	3 units
Additional units to complete graduation requirements (See General Requirements, page 30) .....	14 units
	<hr/> 64 units

## 7. Special Business

The core courses, plus at least 21 units in business, economics, and the relevant fields, to be worked out in conference with the chairman and other appropriate faculty members, constitute this major.

## RECOMMENDED MINORS FOR BUSINESS MAJORS

The minor field should be selected with the counsel of the major adviser and should supplement the student's major interest. The following subjects are highly recommended: Economics, government, or psychology. Other minors are acceptable when they further the student's objectives.

## DEFICIENCIES IN LOWER DIVISION BUSINESS REQUIREMENTS

Economics 101 may be used to remove a deficiency in principles of economics. Business law deficiency may be removed by taking Business 108A. Economic geography deficiency may be removed by substituting Geography 141. To remove other deficiencies, see a business adviser.

## CREDIT FOR LOWER DIVISION TERMINAL COURSES

Credit for courses carrying a business number taken in lower division will be granted toward any major foundation in business under the following two conditions:

1. A maximum of 15 units (including the 6 units of accounting and 3 units of commercial law in the lower division requirements) will be allowed without a proficiency test if a grade of "C" or better was received.
2. Up to 6 additional units may be allowed to those who received a grade of "A" or "B" or by passing a qualifying examination given by the upper division instructor in each course for which upper division exemption is desired. (See a business adviser.)

A student may so secure a maximum of 6 units of upper division course credit in the *same* subject field (i.e., accounting, finance, management, industrial relations or secretarial). Note that courses in economics are not included in the restrictions above.

## REQUIREMENTS FOR A MINOR IN THE BUSINESS FIELDS

Twelve units, at least nine of which must be in upper division. Six of the nine are to be in the same subject area—i.e., accounting, finance, management, marketing, or secretarial.

## CPA EXAMINATION

Those wishing to prepare for the CPA examinations should see an accounting adviser.

## COURSES OF INSTRUCTION

## BASIC UPPER DIVISION COURSES

100. **Management Accounting (3) I, II**  
Prerequisite: One year of accounting. An applied course in accounting for nonaccounting majors. Emphasis is on the use of accounting information in the management of business, the application of accounting techniques to business operation and control, accounting for personal use, and practical accounting solutions to frequent and important business problems.
101. **Business Correspondence (3) I**  
Prerequisite: Typing or permission of instructor. Training in composition of business letters; tendencies in present day business correspondence. Problems of management which arise in connection with correspondence. Best practice of the day is studied through letters sent by representative firms in many businesses. Assigned writing includes emphasis on service, adjustment, collection and sales letters. Practice in dictation is provided.
102. **Intermediate Accounting (4) I, II**  
Prerequisite: One year of accounting. Accounting theory, practice, and problems. Topics include: balance sheet, income statement and other financial statements, working papers, valuation of assets, consignments, installment sales, intangible assets, funds, investments, reserves, correction of statements and application of funds.
103. **Corporation Finance (3) I, II**  
Forms of business organization; financial principles, and practices involved in the organization, administration, and dissolution of private business corporations; promotions, types of securities, expansion, consolidation, and aspects of reorganization.
104. **Principles of Marketing (3) I, II**  
The organization and principal operating aspects of our system for distributing goods and services. Topics covered include retail and wholesale distribution channels, consumer buying characteristics, pricing, marketing of industrial products, and cooperative marketing of agricultural products.
106. **Business Organization and Reports (3) I, II**  
Sources of business information essential to organization, management and analysis of the sales, accounting, production, finance, and general management fields. Emphasis on the use of library and research sources, the preparation of concise reports of a standard expected by businessmen. Lectures, reports, and case analysis. (Formerly Business 106AB.)
- 108A. **Commercial Law (3) I, II**  
Law contract and sales. Business and legal aspects of rights, duties and obligations of contracting parties and of vendor and vendee; formation of contracts and essential elements thereof; performance and breach; methods of enforcement of rights and obligations thereunder; property and securities.
- 108B. **Commercial Law (3) I, II**  
Agency, copartnership, corporations, and credit instruments; rights, duties and obligations arising out of relationship and business aspects above. Formation, operation, and termination of such relationships; law of commercial paper; bankruptcy; insolvency.
109. **Business Statistics (3) I, II**  
Three lectures and one laboratory meeting weekly. See Math. 113.



## EXECUTIVE SECRETARIAL

## 110. Secretarial Techniques and Methods (2) II

A study of nonstenographic office problems including modern business office procedures, communication problems and office techniques, filing and indexing systems, effective handling of correspondence and the like, to develop secretaries capable of assuming responsibilities and exercising good business judgment.

## 111A-B. Applied Secretarial Practice (2-2) Year course

Prerequisite: Typing skill of 50 words per minute and shorthand skill of 60 words per minute. Stenographic office problems; development of skill in transcription; principles underlying the editing of letters and reports. Emphasis upon skills and knowledge for executive and administrative secretaries.

## 112. Business Machines (2) II

Study and use of various types of office machines; secretarial use of such equipment. Lecture 2 hours; laboratory 2 hours.

## 113. Office Organization and Management (3) I

Prerequisite: Business 106 or equivalent. The function of various office departments, their organization and management. Methods used in selecting and training office personnel, office planning layout; selection and care of office supplies and equipment; methods and devices used to improve operating efficiency, types and use of appliances, techniques of performing office duties.

## ACCOUNTING

## 120. Advanced Accounting (4) I, II

Prerequisite: Business 102 or consent of instructor. Advanced accounting problems and theory. Topics include: ventures, insurance, statement of affairs, receivership, branch accounts, banks and stock brokerage accounting, foreign exchange, estate accounting, budgets, public accounts, and analysis of financial statements.

## 121A-B. Federal Tax Accounting (3-3) I, II

Prerequisite: Three semesters of accounting. The statutes, regulations, administrative rulings and court decisions relative to income and income taxes. The current federal and state revenue acts affecting individuals, partnerships, and corporations. Comparative methods of tax research and bibliography. Preparation for tax returns.

## 122. Industrial Accounting (3) I, II

Prerequisite: One year of accounting. Manufacturing accounting, theory and problems, records, and financial statements; elements of cost; elements of process, specific or job-order, and standard cost accounting. Special emphasis on managerial use of cost data.

## 123. Cost Accounting (4) I

Prerequisite: One year of accounting and Business 109 or consent of instructor. Theory and problems of the major types of cost systems in general use, analysis of expenses and costs with emphasis on factory and manufacturing accounting, budgets, estimated costs, joint and by-product costs; inventory records and control, material costs, labor costs, overhead accumulation, allocation and distribution; cost reports and control.

## 124. Auditing (4) II

Prerequisite: Business 120 or consent of instructor. Principles, techniques and procedures in auditing. Topics include: ethics, fraud, audit working papers, programs, verifying of balance sheet and profit-and-loss statements, audit reports, and the application of audit theory and practice to the records and documents of a typical corporation.

125. **Corporation Accounting (2) II**

Prerequisite: Business 120 or consent of instructor. Theory and problems. The California Corporation Code. Incorporation requirements affecting accounting procedure, corporate reports, mergers, amalgamations and consolidations, holding companies; principles underlying and preparation of consolidated balance sheets and income statements. CPA examination problems relative to corporations.

126. **CPA Law Problems and Cases (2) II**

Prerequisite: Senior or graduate status and consent of instructor. Survey of all points of law covered by CPA examination. Topics include: principles of law and cases on contracts, corporations, property, negotiable instruments, partnerships, agency, bailments, insurance, sales, guaranty and suretyship, and receiverships.

127. **Municipal and Governmental Accounting (3) I**

Prerequisite: Business 120 or consent of instructor. Accounting theory and problems of governmental and institutional units. Topics include: budgeting, tax levies, appropriations, accounting for revenues, expenditures of various funds, their financial statements, and special auditing or accounting problems.

128. **CPA Auditing and Theory (2) I**

Prerequisite: 21 units of accounting and consent of the instructor. Survey and review of principles, practice, questions and problems in auditing and theory of accounts; practice and review of actual CPA examination questions.

129A-B. **Advanced CPA Problems (2-2)**

Prerequisite: 21 units of accounting and consent of instructor. Intensive survey and solution of techniques of accounting problems of CPA examination caliber, covering prior CPA examinations in accounting practice.

## FINANCE

130. **Credits and Collections (3) I**

Effect of credit upon business; the instruments of credit; organization of credit; factors affecting the quality of a credit risk; credit investigation and analysis; fundamentals, methods and tools of collection.

131. **Business Fluctuations and Forecasting (3) I, II**

Prerequisite: Business 109 and Economics 103. Analysis of major influences determining general level of business activity; basic fundamentals of our economic system as they relate to future business conditions; effects of international policies of finance and exchange.

132. **Investments (3) I**

Prerequisite: Business 103. Principles of investment; a survey of corporate securities; basic risks of investment; the investment program of the individual; other investment policies or programs, the principles of investment analysis and how to select bonds and common stock.

133. **Public Finance and Taxation (3) I**

Prerequisite: Economics 103. Significance of public finance in a modern state; principles, problems and policies of public expenditure and of local, state and federal taxation; an equitable tax system and its administration; the influence of tax policy on the economic system.

134. **Budgeting (3) II**

Prerequisite: Business 102. Modern practices and techniques involved in the formulation, enactment and administration of the budget; relation of budget practices to accounting and scientific management in business and government; preparing the budget; sources for estimates; relation of performance to estimates; analysis and reports for budgetary control.



## 135. Banking and Business (3) II

Prerequisite: Economics 103. Banking from the standpoint of both bankers and businessmen; functioning of bank credit and banking institutions; the Federal Reserve System and its relationship to business; current developments; public regulation and supervision; problems of bank management.

## 137. Investment Analysis (3) II

Prerequisite: Business 132 and consent of instructor. Methods of advanced analysis applied to investment securities; analysis of equity and substandard senior securities.

## MARKETING

## 140. Principles of Advertising (3) I

Prerequisite: Business 104 or consent of instructor. What advertising is and what it is used for; its marketing and economic functions; advertising media, copy, layout, research. Printing and production processes; the organization of advertising departments and advertising agencies.

## 141. Advanced Advertising Copy and Layout (3) II

Prerequisite: Business 140 or consent of instructor. Preparation of advertisements for newspapers, magazines and other printed media; the effective advertising appeals, basic elements of good advertising writing, headlines, slogans, etc. Importance of layouts, their design and preparation.

## 142. Salesmanship (3) I, II

Prerequisite: Business 104 or consent of instructor. The development and practical application of sales techniques in selected fields. The work of the salesman, customer relationships, home office relationships, the evaluation of sales opportunities. Prospecting the sales demonstration, and development of the individual's own sales aptitudes. Includes lectures, discussions, demonstrations and oral participation in sales presentations.

## 143. Sales Management (3) II

Prerequisite: Business 104, Business 106, and previous or concurrent registration in Business 142. Activities and organization of the sales department. Methods employed by sales managers in selecting, training, and supervising salesmen; selling methods, materials, and campaigns; distribution channels and territories; pricing, budgets, controls and sales research. Lectures, cases, discussions, guest speakers, and exhibits.

## 144. Retail Store Management (3) I

Prerequisite: Business 106 and Business 142. Retailing methods from the standpoint of the owner and manager. Such subjects as buying, planned stocks, inventory control, markup, accounting for stock control, pricing, style merchandising, and advertising are included. Problems of general management are emphasized, including departmentation, personnel control, supervisory training, store layout and store location.

## 145. Wholesaling (3) I

Prerequisite: Business 142 or consent of instructor. Economic aspects of wholesaling, its growth and trends, especially since World War II, wholesaling functions in fields of agriculture, consumers goods, industrial goods, etc. The status of wholesaling in domestic and foreign trade; techniques and methods of order handling, warehousing and stock control, credit management, wholesaling cooperatives and governmental regulations. Wholesale customer relationships.

## 148. Public Relations Methods for Business (3) II

Prerequisite: Senior standing. What "public relations" is; who the various publics are and the value of knowing, informing and influencing them; the necessity for complete honesty and fairness in all public dealings; publicity methods, outlets, tools and techniques and the part publicity plays in public relations activities.

149. **Marketing Research Problems (3) II**

Prerequisite: Business 109 and prior or concurrent registration for Business 143. Practical sales and research problems with field investigations and reports covering application of the scientific method to the solution of sales problems. Problem analysis, collection of information from field observation and surveys and from sales records and secondary sources, the analysis and interpretation of data, and the preparation of reports.

**FOREIGN TRADE AND TRANSPORTATION**150. **Foreign Trade Practices (3) II**

Techniques of foreign trade; exchange of goods; tariffs; quotations; packing; shipping.

151. **Commodities of International Commerce (3) I**

The characteristics, uses and distribution of minerals, base and light chemicals, fuels, oils, fibers, manufactured products; the trends in distribution of foodstuffs.

152. **International Commercial Policies (3) I**

The history and theory of foreign trade; tariff policies of the United States and the leading countries of Europe, Asia, and Latin America; trade controls and restrictions other than tariff. (Credit may not be secured for both this course and Economics 106.)

153. **Principles of Transportation (3) I**

The economic significance of rail, bus, truck, air and inland waterway transportation. Problems of rate structures, regulation and finance of the transportation systems. Special emphasis on rail transport. (Credit may not be received for both this course and Economics 151.)

154. **Traffic Management (3) II**

Prerequisite: Business 153. Principles and practices of industrial traffic management including organization and operation of the traffic department, shipping documents, rate analysis and rate adjustment procedure, routing, tracing, expediting tariff supervision claims and claim prevention, procedure before regulatory commissions, traffic management in foreign trade, and traffic research.

155. **Motor Transportation Practices (3) II**

Prerequisite: Business 153. An intensive survey of motor carrier practices. Emphasis on both inter- and intra-city motor transportation problems, including the packaging of goods for shipment and warehousing.

**INDUSTRIAL MANAGEMENT**160. **Industrial Management (3) I, II**

Prerequisite: Business 106, or consent of instructor. Development and application of scientific management in industry. Factory organization, primary departmentation and its criteria. Problems of middle supervisory levels; authority and accountability; span of control; relationships of staff to line. Concepts of production planning.

161. **Production Management (3) I, II**

Prerequisite: Business 160 or equivalent. Detailed case studies of the techniques of factory management, including simplification and standardization, classification and symbolization, plant layout, stores control, tool control, equipment control, wage incentives, quality control, safety, labor cost control, and an introduction to the techniques of production control under job shop and mass production assumptions. Concurrent enrollment in Business 169 is recommended for Production Management majors.



**162. Industrial Equipment and Processes (3) I**

Prerequisite: Business 106 or consent of instructor. The physical aspects of industry, as distinguished from the organizational and managerial aspects. Characteristics of general purpose machine tools and other industrial machinery; processes such as casting, forging, heat treating and welding. Characteristics of important materials of manufacture; the relation of equipment and operation to product. A background in physics and chemistry is helpful, but not required.

**163. Motion and Time Study (3) II**

Prerequisite: Business 109, Business 160 or Business 161. Motion economy and elements of quantitative scientific management. Operation analysis, flow process charts, the division of activity into its normal elements. Time study procedures from raw data to final rating. Standardization, rating, and delay and fatigue influences; introduction to methods-time measurement. Written reports of time and motion economy analysis.

**164. Production and Material Control (3) II**

Prerequisites: Business 160 and Business 161 or equivalent. Production planning and budgeting; development of the production control system, including product development, materials control, plant and equipment analysis, production standards and methods, personnel and supervision; control of production quantity and quality, measurement of production efficiency.

**165. Industrial Purchasing (3) I**

Prerequisite: Business 160 and Business 108A. Problems of purchasing raw materials, fabricated parts, standard supplies, machinery and industrial equipment. Quality control of purchases, industrial specifications and inspection. Analysis of economic purchase lots; quantitative determination of minimum lots; order points, competitive quotations and purchase contracts. Purchasing procedure, purchasing follow-up, purchase record control. Government purchasing procedures.

**166. Industrial Accident Control (3) I**

Prerequisite: Business 160 and Business 162 or equivalent. Theory and practice of the workmen's compensation laws of the State of California. A comprehensive study of the derivation and application of safety orders of the State of California relating to industrial operations. Demonstration, illustration and use of industrial safety devices, with presentations from the viewpoint of the safety engineer. Audio-visual material on industrial injuries.

**167. Quality Control (3) II**

Prerequisite: Business 109, 160, 161, and prior or concurrent enrollment in Business 164, or 169. Principles of tolerances and variants. The study of manufacturing errors, their detection and cause and correction. Statistical quality control methods; inspection and testing procedures; field work with related analysis and written reports.

**169. Applications of Industrial Management (3) I, II**

Prerequisite: Business 160. Enrollment to be concurrent with Business 161 or consent of instructor. Detailed analysis by field survey and conference methods of selected manufacturing plants. Preparation of analytical reports emphasizing problems of production and their relationship to finance and marketing. The interdependence of all parts of the organization and the need for unified management thinking is stressed.

**INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT****171. Management and Human Relations (3) I, II**

Prerequisite: Business 160 or consent of the instructor. Supervisory methods and techniques of management; employer-employee relationships. The selection and maintenance of the working force and adjustment of the worker to the job. Problems of upgrading and supervisory training. Wage and nonwage incentives. Supervisory aspects of grievance procedure. Conference and committee techniques in relation to line management.

172. **Industrial Relations (3) II**

Prerequisite: Economics 102 and Business 171 or consent of instructor. Relations between employers and employees as the latter are represented by organized labor. Recognition, collective bargaining, labor history and labor law form the basis of the course. Topics covered include wages, hours, working conditions, promotion, transfer, discharge, safety, employment stabilization, employee security, public and community relations.

173. **Personnel Management (3) II**

Prerequisite: Business 160 and Business 171 or consent of instructor. A critical examination of the principles, methods, and procedures related to the effective utilization of human resources in organizations. Historical development and objectives of personnel management, individual differences, labor budgeting, job analyses, recruitment, selection, placement, training, wage, and salary administration, hours of work, employee health, and management-union relations.

174. **Labor Legislation (3) II**

See Economics 120.

**LAW AND GOVERNMENT REGULATION**180. **Law of Negotiable Instruments (3) I, II**

Advanced course in the use of checks, notes, and other types of negotiable instruments as they are involved in the fields of banking, finance, collections, accounting, and elsewhere in the business world. Banking regulations concerning checks, liability of parties, etc.

181. **Law of Real Estate and Property (3) I, II**

Principles of property ownership and management in their business aspects. Special reference to the law of California as it applies to community property, conveyancing, deeds, trust deeds, mortgages, leases, etc.

182. **Preventive Law (3) I**

A new approach to the study of law, which is designed for all students. The study of legal affairs of the individual and the businessman from the point of view of detecting and preventing or minimizing risks; avoidance of litigation; warning signs of legal complications.

185. **Business and Government (3) I**

Prerequisite: Business 106 and at least one course in Government or consent of the instructor. Presents significant points of contact between business and government, and stresses the necessity for thoroughly understanding everyday relationships with public authority. The antitrust laws, fair trade laws, and unfair trade practices, are analyzed.

186. **Price Regulation (3) II**

See Economics 105.

**STATISTICS AND BUSINESS PROBLEMS**190. **Applied Business Statistics (3) I**

Prerequisite: Business 109 or equivalent. Statistical techniques for dealing with and presenting time series, trends, seasonal and cyclical movements and index numbers. Preparation and use of graphic material is emphasized. An introduction to the use of statistics in quality control is also given.

191. **Business Problems (3) I, II**

Prerequisite: Two semesters of accounting and an elementary course in mathematics of accounting and finance. An advanced course dealing with the important and frequently-met problems of business and their solution through applied mathematical and accounting techniques. Problem areas are finance, accounting, marketing, statistics, industrial management, income tax, and similar topics.



## INSURANCE AND REAL ESTATE

## 194. Insurance Principles (3) I

Economic and social services of insurance; important principles and practices; survey of typical life, fire, marine, and casualty contracts.

## 195. Property and Casualty Insurance (3) II

Types of protection available to cover risks to property and to such things as health, accident, robbery, theft, and various types of damages.

## 196. Real Estate Principles (3) I

Nature of real property; factors affecting real property; values and income; government regulation of real estate practices.

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Active, approved employment under the work-study program. Analysis and reports of the student's performance; regular group meetings.

198a A-B-C-D. Field Assignment and Reports in Accounting (1-4) I, II

198f A-B-C-D. Field Assignment and Reports in Finance (1-4) I, II

198i A-B-C-D. Field Assignment and Reports in Industrial Management (1-4) I, II

198m A-B-C-D. Field Assignment and Reports in Marketing (1-4) I, II

198s A-B-C-D. Field Assignment and Reports in Executive Secretarial (1-4) I, II

198t A-B-C-D. Field Assignment and Reports in Foreign Trade and Transportation (1-4) I, II

## 199. Individual Research (1-3) I, II

Prerequisite: Consent of instructor; senior standing and grade-point average of 2.0. Up to three semester units may be arranged in the candidate's major field.

## GRADUATE COURSES

## 202. Accounting Theory and Analysis (5)

## 203. Financial Analysis and Problems (5)

## 204. Problems in Marketing (5)

## 206. Contemporary Management Problems (5)

NOTE: The following list of undergraduate courses in Business Administration may be selected in conference with the chairman of the Division of Business and Economics for the purpose of earning graduate credit. In addition to the regular class work, such courses will require the student to prepare a report indicating a more mature approach than would be presented by undergraduates: Business 121, 123, 128, 131, 137, 143, 149, 163, 167, 172, 185.

## II. BUSINESS EDUCATION

### AIMS AND SCOPE

The course of study in Business Education is designed for those who want a secondary credential in Business Education. Both the special secondary credential (together with a B.A. degree in Business Education) and the general secondary credential are offered.

The adviser for Business Education is Mr. William H. Bright.

### REQUIREMENTS FOR THE SPECIAL SECONDARY CREDENTIAL AND THE B.A. DEGREE IN BUSINESS EDUCATION

1. 16 semester hours of work (preferably in the first two years of college) from :
  - Science
  - Social Science
  - English (including oral English)
  - Physical Education
  
2. 21 semester hours in Education and Psychology :
 

Psychology 113. Psychology of Adolescence.....	3 units
Education 110. Educational Psychology .....	3 units
Education 130. Counseling and Guidance in the High School.....	2 units
Education 170. Principles, Curriculum and Observation in Secondary Education .....	3 units
Education 171. Introduction to Business Education.....	2 units
Education 193Bb. Methods in Business Education : Bookkeeping (or) Education 193Bs. Methods in Business Education : Sec'l Sci.....	2 units
Education 250. Directed Teaching .....	6 units
  
3. 18 semester hours in Business and Commerce :
 

Economics 1 and 2. Principles of Economics.....	6 units
Geography 4 or 5. Economic Geography (or Geography 141).....	3 units
Business 108AB. Commercial Law.....	6 units
Economics 184. Economics of Consumption (or) Economics 190. Current Economic Problems.....	3-3 units
  
4. At least 18 semester hours and six months' experience in each subfield for which credential is secured :
  - (a) Bookkeeping-Accounting :
 

Business 9. Business Mathematics .....	3 units
Business 1, 2. Accounting .....	8 units
Secretarial Science 30 or 31 (or Business 112).....	1-2 units
Business 100. Management Accounting .....	3 units
Business 106. Business Organization and Reports .....	3 units
  - (b) Secretarial Practice :
 

Lower Division.....	10 units
	minimum
Shorthand	Office Practice
Typing	Business Machines
Business English	
  - Upper Division :
 

Business 101. Business Correspondence.....	3 units
Business 110. Secretarial Techniques .....	2 units
Business 113. Office Management .....	3 units
  - (c) Merchandising :
 

Business 104. Principles of Marketing .....	3 units
Business 106. Business Organization and Reports.....	3 units
Business 130. Credits and Collections .....	3 units
Business 140. Advertising .....	3 units
Business 142. Salesmanship .....	3 units
Business 144. Retail Store Management .....	3 units



- (d) General Business :\*
- |   |         |
|---|---------|
| Business 1. Accounting .....                            | 4 units |
| Business 9. Mathematics of Accounting and Finance ..... | 3 units |
| Business 106. Business Organization and Reports .....   | 3 units |
| Business 142. Salesmanship .....                        | 3 units |
| Economics 103. Money, Credit and Banking .....          | 2 units |
| Typing (one semester minimum) .....                     | 2 units |
| Office Methods (one semester minimum) .....             | 2 units |
5. Additional work, including electives, to meet the Los Angeles State College general requirements for graduation, to total 124 units (see Education Division, p. 73).

#### REQUIREMENTS FOR THE GENERAL SECONDARY CREDENTIAL IN BUSINESS EDUCATION

- All requirements for the special secondary in business education † (as above) and a bachelor's degree.
- One year of 30 units of postgraduate work on upper division or graduate level. It shall include:
  - The following professional education courses:
 

Education 147. Audio Visual Methods .....	2 units
Psychology 108. Mental Hygiene .....	2 units
Education 107. History and Philosophy of Education .....	3 units
Education 109. Tests, Measurements and Evaluations .....	2 units
  - Six semester hours in business subjects ordinarily taught in junior and senior high schools.

#### REQUIREMENTS FOR A TEACHING MINOR IN BUSINESS EDUCATION

Twenty units in Business Administration, at least 12 of which must be in the upper division. Six of the upper division courses must be in the same subject field.

#### COURSES OF INSTRUCTION

- Bus. Ed. 171. Introduction to Business Education (2) I  
See Ed. 171 (Formerly Ed. 193Ba)
- Bus. Ed. 193Bb. Methods in Business Education: Bookkeeping (2) II  
See Ed. 193Bb
- Bus. Ed. 193Bs. Methods in Business Education: Secretarial Science (2) I  
See Ed. 193Bs
- Bus. Ed. 250. Directed Teaching in Business Education (6) I, II  
See Ed. 250

\* In the subfield of General Business 12 semester units in addition to the bachelor's degree may be offered in lieu of the six months' full-time experience. At least six semester units of the 12 must be in Economics.

† Those who have secured a bachelor's degree in Business Administration, but who do not possess a special secondary in Business Education, and who want a general secondary credential, may work out a fifth year program with the adviser.

### III. ECONOMICS

#### AIMS AND SCOPE

The Department of Economics offers training in the upper two years leading to the degree of Bachelor of Arts. The economics major is designed for students who wish to:

- a. Enter *specific* branches of private industry including: banking, international trade, corporate finance, and transportation.
- b. Enter governmental agencies at the federal, state, and local levels dealing with areas mentioned in (a) above, and also with public utilities, government finance, and government economic research and policy forming agencies, such as agriculture, conservation of natural resources, communications, and interstate commerce.
- c. Undertake advanced work beyond the B.A. degree for the purposes of entering the teaching profession, qualifying for government positions requiring advanced technical training, entering a graduate school of business or a law school. See Graduate Study, below.
- d. Obtain a broad cultural training through combining economics with a liberal arts curriculum.
- e. Enter positions in private business but have not yet selected specific goals. Study of the American economy supplemented with elective courses in various areas of business administration is provided.

The major adviser for economics is Dr. Leonard G. Mathy.

#### REQUIREMENTS FOR A MAJOR IN ECONOMICS

Lower Division—Preparation for the major	
Principles of Economics .....	6 units
Economic Geography .....	3 units
Principles of Accounting .....	3 units
Philosophy (logic) .....	3 units
Mathematics .....	3 units
Statistics .....	3 units
Other units needed to meet the requirements for upper division standing (see General Requirements) .....	36 units
	60 units

Deficiencies in the requirements above may be removed by taking:

- Principles of Economics—Introduction to Economic Analysis (Econ. 101) and Money, Credit and Banking (Economics 103) \*
- Principles of Accounting—Business 1 and 2
- Philosophy—Philosophy 22
- Mathematics—See adviser
- Economic Geography—Geography 141
- Statistics—Economics 109

Upper Division:

Economics 102. Labor Economics .....	3 units
Economics 103 *. Money, Credit and Banking .....	3 units
Economics 110. Economics of the Business Firm .....	3 units
Economics 111. National Income Analysis .....	3 units
Economics 132. Corporation Finance .....	3 units
Economics 133. Public Finance .....	3 units
Economics 135. Economic Fluctuations .....	3 units
Minimum electives in economics to be selected in conference with the adviser .....	12 units

\* Those taking Economics 103 to remove a lower division deficiency will also take Economics 130 (Monetary Management) or another upper division course to be selected in conference with major adviser.



## Upper Division—Continued

Two semesters of work in government, philosophy, psychology, sociology or mathematics to be selected in counsel with the adviser ----- 6 units  
 Other courses necessary to make the total required for the bachelor's degree (see General Requirements, page 30) ----- 25 units  
 -----  
 64 units

## REQUIREMENTS FOR A MINOR IN ECONOMICS

No fewer than 12 units, at least 9 of which must be in the upper division in courses numbered above 101.

## COURSES OF INSTRUCTION

All courses below, except Economics 101, have a Principles of Economics course (or Economics 101) as a minimum prerequisite.

## 100. Economics of Industry (3) II

Elementary descriptive survey of manufacturing methods, costs and marketing aspects of leading American industries. Reading, lectures, field trips and moving pictures are employed.

## 101. Introduction to Economic Analysis (3) I, II

Basic economic tools, concepts and interrelationships. Emphasis on the private enterprise system. Open to those who have not had a six-unit course in lower division; to others on recommendation of the economics adviser.

## 102. Labor Economics (3) I, II

The use of labor resources in the economic system. Employment, wage rates, the development of unions and collective bargaining, and labor legislation are among the topics treated.

## 103. Money, Credit and Banking (3) I, II

The nature of money, how it is supplied to the economic system, development and functions of banks, and the relationship between money, credit, and the general price level.

## 105. Economics of Price Regulation (3) II

Prerequisite: At least one course in economics numbered above 100, or consent of the instructor. The basis upon which government interferes in the operation of a privately owned business, especially as to price determination. The legal and economic problems encountered in regulating services and prices in such industries as electricity, gas, urban transportation and telephones are given special attention.

Credit may not be secured for both Economics 105 and Business 186.

## 106. Principles of International Trade (3) I

The economic bases and mechanisms of international commercial relations. Government policies on tariffs, exchange controls, subsidies, etc., will be considered.

Credit may not be secured for both Economics 106 and Business 152.

## 109. Statistical Methods (3) I, II

See Mathematics 113.

## 110. Economics of the Business Firm (3) I, II

Basic economic problems and the way the private enterprise system operates to deal with them. Special emphasis on the firm as it fits into the economic order; costs and prices.

## 111. National Income Analysis (3) II

Prerequisite: Economics 109 and Economics 110 or consent of instructor. Survey of the national income; the operation of the system as a whole as it relates to employment and the utilization of resources.

112. **Development of Economic Thought (3) II**  
The evolution of ideas which man has developed over the years to analyze and deal with economic problems.
120. **Labor Legislation (3) II**  
Prerequisite: Economics 102. Development of common law decisions on the legal status of trade unions and their activities. Consideration of federal and state laws in the areas of social security, protective labor legislation, and labor relations legislation, with emphasis on the economic implications of the legislation.
121. **Labor Relations (3) II**  
See Business 172.
130. **Monetary Management (3) II**  
Prerequisite: Economics 103. An advanced approach to the functioning of the money system. Emphasis upon the policies of the U. S. Treasury, the Federal Reserve Banks, and other factors influencing and determining the flow of funds.
132. **Corporation Finance (3) I, II**  
Forms of business organization; financial plans; promotion; types of securities; consolidations and reorganizations.  
Credit may not be secured for both Economics 132 and Business 103.
133. **Public Finance (3) I**  
Prerequisite: Economics 103 recommended. A survey of the expenditures of governments, the methods of securing funds, and the impact of these activities upon the economic functions of society.  
Credit may not be secured for both Economics 133 and Business 133.
135. **Economic Fluctuations (3) I, II**  
Prerequisite: Economics 103. Variations in business activity and the national income. The various theories which have been advanced to account for these variations are surveyed, and proposals for reducing fluctuations are analyzed.  
Credit may not be secured for both Economics 135 and Business 131.
150. **Government, Business and the Economy (3) I**  
The type of action taken by government in dealing with lack of competition and unfair trade practices in business, and its economic implications.  
Credit may not be secured for both Economics 150 and Business 185.
151. **Economics of Transportation (3) I**  
The economic significance of rail, bus, truck, air, and inland waterway transportation. Problems of rate structures, regulation and finance of the transportation system. Special emphasis on rail transport.  
Credit may not be secured for both Economics 151 and Business 153.
171. **Economic History of the United States (3) I, II**  
See History 175.  
Credit may not be secured for both History 175 and Economics 171.
172. **Economic History of Europe (3) I**  
See History 148.  
Examination of the economic development of Europe in modern times, with special attention to the Industrial Revolution and its effects.  
Credit may not be secured for both History 148 and Economics 172.
180. **Comparative Economic Systems (3) I**  
Problems with which all societies must deal in the economic aspects of life. A comparative survey of different systems which man has proposed or which are now in operation to deal with economic problems.



**184. Economics of Consumption (3) II**

The development of consumption standards; the relation of the consumer to the price system; governmental and private efforts in the consumers' behalf.

**190. Current Economic Problems (3) II**

Prerequisite: At least one course in Economics numbered above 100. An analysis of significant problems of the day such as agricultural price supports, the international dollar shortage, the industrial-labor monopoly situation, economic problems created by a defense program or total war, and problems which arise during the semester.

**198A-B-C-D. Field Assignment and Reports (1-4) I, II**

Prerequisite: Active, approved employment under the work-study program. Analysis and reports of the student's performance; regular group meetings.

**199. Economic Research (1-3) I, II**

Projects to be worked out with a major adviser.

**GRADUATE COURSES****210. Advanced Economics of the Firm (5)****211. Contemporary Economic Theory (5)****299. Graduate Research (1-3)**

NOTE: The following undergraduate courses in Economics may be selected in conference with the chairman of the Division of Business and Economics for the purpose of earning graduate credit. In addition to the regular class work, such courses will require the student to prepare a report indicating a more mature approach than would be presented by undergraduates: Economics 111, 112, 120, 121, 130, 135, 150, 180.

## DIVISION OF EDUCATION

- Delmar T. Oviatt, Ed.D., Associate Professor of Education and Chairman of Division of Education  
A. LeRoy Bishop, Ed.D., Professor of Education, Coordinator, Elementary Education  
Joseph W. Stanley, Ph.D., Professor of Education, Coordinator, Secondary Education  
A. Helen Kennedy, Ph.D., Associate Professor of Education, Coordinator of Special Education  
William Gellermann, Ph.D., Professor of Education  
A. C. Lambert, Ph.D., Professor of Education  
Gerald Prindiville, Ed.D., Professor of Education  
Fred M. Tonge, Ed.D., Professor of Education  
Rita M. Hanson, Ed.D., Associate Professor of Education  
Wayne F. McIntire, Ph.D., Associate Professor of Education  
Donald G. Mortensen, Ed.D., Associate Professor of Education  
Edward J. Neale, Ph.D., Associate Professor of Education  
Leslie W. Nelson, Ph.D., Associate Professor of Education  
Dorothy R. Peckham, Ed.D., Associate Professor of Education  
John C. Schwartz, Jr., Ed.D., Associate Professor of Education  
Cecil C. Stewart, Ed.D., Associate Professor of Education  
Clifton C. Winn, Ph.D., Associate Professor of Education  
Ebba M. Aronson, M.A., Assistant Professor of Education  
Eugene Benedetti, Ed.D., Assistant Professor of Education  
William H. Bright, M.B.A., Assistant Professor of Business Education  
John E. Firman, M.S., Assistant Professor of Education  
Elizabeth B. Hone, M.A., Assistant Professor of Education  
Lois V. Johnson, Ed.D., Assistant Professor of Education  
Jack R. Kudrna, M.A., Assistant Professor of Education  
George C. Lorbeer, M.A., Assistant Professor of Education  
Logan T. Miles, M.A., Assistant Professor of Education  
Grace V. Morgan, M.A., Assistant Professor of Education  
William C. Nutting, Ed.D., Assistant Professor of Education  
Delwyn G. Schubert, Ph.D., Assistant Professor of Education  
Gerald Q. Shepherd, M.S., Assistant Professor of Education  
Carol J. Smallenburg, Ed.D., Assistant Professor of Education  
James C. Williamson, M.S., Assistant Professor of Education  
L. Stanford Johnson, B.A., Instructor in Education  
Mabel M. Wilson, B.A., Instructor in Education

### AIMS AND SCOPE

Los Angeles State College of Applied Arts and Sciences accepts as one of its major responsibilities the establishment and continuous development of a program of teacher education. This responsibility is particularly important in the light of the fact that there is a constant demand for well qualified young people to enter the teaching profession in the Los Angeles metropolitan area and throughout Southern California. Moreover, the serious undersupply of properly qualified elementary teachers both in California and throughout the Nation adds to the College's responsibility in this field of professional education.

The various requirements of the Division of Education are expressed not with respect to majors, but credentials. This is because concentration in the subject field of education normally is pointed toward the securing of a teaching credential. A given credential may, however, have the requirements of a major and a minor.

Upper division status is a prerequisite for all courses in Education.

On the pages which follow the curricula and requirements for the following credentials are given:

**Kindergarten-Primary Credential.** This credential authorizes the holder to teach in any kindergarten and in grades one, two and three of any elementary school of the State.



**General Elementary Credential.** This credential authorizes the holder to teach any and all subjects in all grades of an elementary school and in any kindergarten in the State. Certain counties will not accept the general elementary credential as valid for teaching in the kindergartens in those counties.

**Junior High School Credential.** This credential authorizes the holder to serve as a teacher in grades seven, eight and nine of any elementary or secondary school.

**General Secondary Credential.** This credential authorizes the holder to teach any and all subjects (with the exception of certain classes organized under the provisions of the federal and state vocational education acts) in all grades of any junior college, senior high school, four-year high school, junior high school, and the seventh and eighth grades of any elementary school in the State.

**Special Secondary Credential.** This credential, as offered at Los Angeles State College, authorizes the holder to teach one of the following fields in elementary and secondary schools: art, business education, music, nursing education, physical education, speech arts. Students who desire to work for one of these special secondary credentials will discuss the credential program with the chairman of the department for which the credential is given.

**Special Secondary Credential for Teaching the Deviate.** Work towards credentials as offered at Los Angeles State College includes the fields of Speech Correction, Mentally Handicapped, School Psychometrist, Lip Reading for the Hard-of-Hearing Child, the Deaf, the Partially Sighted, and the Blind. Students who desire to work for one of these special secondary credentials will discuss the credential program with the Coordinator of Special Education.

**Other Credentials Offered.** The Education Division offers work leading toward the following special types of credentials: elementary administrative credential, elementary supervision credential, secondary administrative credential, and secondary supervision credential.

Because all of the above-listed special type credentials require either a basic general elementary or general secondary credential, the student interested in securing one of these credentials may find it necessary to carry a program of postgraduate work in preparation for these credentials.

Students who are interested in securing one of these credentials should discuss the credential curriculum and general requirements with a faculty member who has been designated as adviser for that particular credential. This adviser will be designated before registration.

### ADMISSION TO THE TEACHER EDUCATION PROGRAM

Before any student is admitted to the teacher education program he must demonstrate satisfactory capacity and aptitude for teaching. This will require evidence of:

1. *Scholarship.* The elementary credential candidate should have an over-all grade point average of 1.25 in his lower division courses. A student whose grade point average is between 1.0 and 1.25 may be considered if he can achieve a 1.5 grade point average during his first semester at Los Angeles State College. The secondary credential candidate must have a 1.5 grade point average.

2. *Academic and Cultural Preparation.* The student must have competency in the subject areas and skills ordinarily taught in the public schools. This will include: reading, language, mathematics, social studies, natural science, health and penmanship. Satisfactory scores in the "Fundamentals Test" will be required of all students. In addition, elementary credential candidates are urged to have at least three units in both art and music in their lower-division program. Some skill in playing the piano is recommended for all elementary credential candidates, and is required of all kindergarten-primary credential candidates.

3. *Personal Fitness.* The student must demonstrate personal qualifications in keeping with professional standards. Attention will be directed to general appearance, poise, dress, vitality, temperament, integrity, and general social attitude. Evaluation of personal fitness will require: (a) rating by instructors at Los Angeles State College; (b) an interview by Division of Education committee; (c) a health examination, and (d) a speech test.

Application for candidacy must be made during the first semester upon forms provided by the Division of Education. Approval for candidacy will be in writing by the Chairman of the Education Division. Ordinarily, decisions respecting admission

to teacher education will be made at the end of the first semester at Los Angeles State College. Education courses taken prior to admission to candidacy do not obligate the Education Division to admit the student to the teacher education program.

### DIRECTED TEACHING

Directed teaching is one of the most important aspects of the program of teacher education. It provides prospective teachers in actual school and classroom situations, with opportunities to:

1. Use the principles, methods, and philosophy which they have developed in professional courses in education.
2. Receive preservice experience in organizing and directing classroom activities.
3. Experience keeping school records of all kinds.
4. Attend and participate in school and district administrative and teacher organization meetings.
5. Participate in school community activities.
6. Study children under supervision.

The work of directed teaching is first begun during the time that students carry on observation and participation in Education 101A-B, 165, or 170.

When a student enters directed teaching, he will be given classroom duties and responsibilities. After a week or so of assisting in routine matters, a portion of the class time will become his primary responsibility. As the semester passes the amount of load carried by the student will increase until at the end of the term he may expect to handle the class during the full period of assignment.

Directed teaching is provided in the elementary and secondary schools of Los Angeles City and Los Angeles County for credential candidates of this college.

Because of the importance of directed teaching, admission to this phase of the teacher education program is one of the crucial points in the selection of future teachers. For that reason the Los Angeles State College of Applied Arts and Sciences has developed a careful screening and selection program through which all students who wish to do directed teaching must pass.

A Directed Teaching Committee, appointed by the President of the College, is responsible for developing and revising the screening and selection program. This committee also has the responsibility of passing on all applications for directed teaching. To be assigned to directed teaching the candidate must meet the following criteria:

1. A satisfactory record in the health and X-ray examination taken within six months of directed teaching assignment.
2. An over-all grade-point average of 1.25 for the elementary credential and a 1.5 for the secondary credential.
3. A grade of C or better in all education courses. Any education course with a grade below a C must be repeated (or an approved substitute course taken).
4. Satisfactory scores on the fundamentals examination.
5. A satisfactory performance on a speech test.
6. Completion of a semester of work on campus with a minimum of 12 units.
7. The candidate for elementary credentials must complete at least two semesters of observation and participation (Education 101A-B) under the direction of this college. The candidate for the special secondary credentials in subject areas, the special secondary credentials for teaching the deviate, the general junior high school credential, and the general secondary credential must complete at least one semester of observation on the junior high school or senior high school level under the direction of this college. Students who have completed Ed. 170 elsewhere or at Los Angeles State College prior to September, 1950, must enroll in Ed. 165 to fulfill this requirement.

8. Ratings on the personal rating sheets must be satisfactory to the Directed Teaching Committee. (The personal rating sheets are given to all students' instructors during the semester immediately preceding their directed teaching. These sheets call for an evaluation of a student's personal qualities and academic ability.)



9. Completion of the course prerequisites for Education 150, Education 250, or Education 251 as listed in the course descriptions.
10. The candidate shall demonstrate suitable aptitude and fitness for teaching and for adjustment to public school conditions. This factor may be determined by tests, interviews and personnel studies evaluated by committee action.
11. The candidate shall demonstrate personality and character traits in keeping with the standards of the profession. Specific attention shall be directed to physical appearance, poise, dress, vitality, social attitude, cooperativeness, temperament, and integrity.
12. The candidate shall demonstrate diverse and well-balanced interests. He should be able to understand and interpret his major interest and field of study in suitable relationship to all others.

If a student meets all the criteria 1 through 12 above, he will be approved by the committee. Should he fail in any one of those criteria, the committee reserves the right to refuse him admission to directed teaching. The committee also reserves the right to call in any student for a personal conference prior to final approval for directed teaching.

Ordinarily, all candidates for the kindergarten-primary, general elementary, general junior high school, and the special secondary credentials will do their directed teaching in the last semester of their senior year. All candidates for the general secondary credential will do their directed teaching in their postgraduate year. Candidates for the special secondary credentials for teaching the deviate will usually do their directed teaching in the postgraduate year, but exceptional students may be permitted to do their directed teaching in the last semester of the senior year.

Due to the amount of time and work required of students in directed teaching, they will not be allowed to carry more than 12 units of work in the semester in which they do their directed teaching. It is therefore recommended that all students who plan to get either a kindergarten-primary, general elementary, or a special secondary credential, carry a minimum of 16 units during the three semesters immediately preceding their directed teaching and at least one summer session prior to doing directed teaching.

All students who expect to do directed teaching must fill out an application for that activity at the start of the preceding semester. These applications are available in the Division of Education office.

#### REQUIREMENTS FOR THE KINDERGARTEN-PRIMARY CREDENTIAL

The requirements listed below must be met by all students in State College who expect to obtain the kindergarten-primary credential.

##### *Lower Division—Preparation for the major*

See General Requirements for graduation. No professional education courses taken in a junior college will be accepted.

##### *Upper Division*

- (1) A major in education composed of the following *required* courses:
- |   |          |
|---|----------|
| Education 101AB. Observation and Participation                  | 2 units  |
| Education 102. Growth and Development                           | 2 units  |
| Education 105B. Early Childhood Education                       | 2 units  |
| Education 111KP. Methods in Kindergarten-Primary Education      | 2 units  |
| Education 111C. Teaching Language Arts in the Elementary School | 2 units  |
| Education 147. Audio-Visual Aids                                | 2 units  |
| Education 149. Teacher in the Community                         | 2 units  |
| Education 150. Directed Teaching                                | 8 units  |
| Education 155. Principles of Kindergarten-Primary Education     | 2 units  |
| Psychology 108. Mental Hygiene                                  | 2 units  |
|   | 26 units |

- (2) A minor composed of the following required and elective courses :

Required :	
Art 100. Art for Elementary Teachers.....	2 units
Art 120. Crafts for Elementary Teachers.....	2 units
English 128. Interpreting Children's Literature.....	3 units
Geography 101. Survey of the Modern World.....	3 units
Music 126. Kindergarten-Primary Music.....	2 units
Physical Education 120. P.E. in Elementary Schools.....	3 units
Electives: Select two courses from the following :	
Art 126. Construction for Elementary Schools.....	2 units
Education 109. Tests, Measurements and Evaluation.....	2 units
Education 125. Educational Sociology.....	3 units
Geography 109. Geography of the Pacific Area.....	3 units
Geography 121. Geography of Anglo-America.....	3 units
Geography 131. Geography of California.....	3 units
History 188. California.....	3 units
History 190. The Pacific Area.....	3 units
Chemistry 110. Physical Science Survey.....	3 units
Nature Study 118. Everyday Nature.....	3 units
Nature Study 120. Nature in California.....	3 units
Physical Education 150. School Health Education.....	3 units
Drama 163. Speech and Dramatic Activities in Elementary Schools.....	3 units
19-21 units	

- (3) Additional electives to make a total of 124 units for graduation. These electives should be selected with the aid of kindergarten-primary advisers.

- (4) Demonstration of adequate proficiency in the subjects required by law (California Education Code, Section 12130) and evidence of adequate preparation for teaching the statutory elementary school subjects. Evidence of proficiency will be interpreted as consisting of satisfactory scores on standardized achievement and/or aptitude tests administered at the College, or official transcripts of school study showing satisfactory completion of courses in the designated subjects. Students with scores below accepted standards may be required to take remedial classes without credit.

**REQUIREMENTS FOR THE GENERAL ELEMENTARY CREDENTIAL**

The requirements listed below must be met by all students in state college who expect to obtain the general elementary credential.

*Lower Division—Preparation for the major*

See General Requirements for graduation. No professional education courses taken in a junior college will be accepted.

*Upper Division*

(1) A major in education composed of the following *required* courses :

Education 101A-B. Observation and Participation.....	2 units
Education 102. Growth and Development.....	2 units
Education 106. Principles of Elementary Education.....	2 units
Education 110. Educational Psychology.....	3 units
Education 111A. Teaching Mathematics in Elementary Schools.....	1 unit
Education 111B. Teaching Social Studies in Elementary Schools.....	1 unit
Education 111C. Teaching Language Arts in Elementary Schools.....	2 units
Education 111D. Teaching Science in Elementary Schools.....	1 unit
Education 147. Audio-Visual Aids.....	2 units
Education 150. Directed Teaching.....	8 units
24 units	



(2) A minor composed of the following *required* and elective courses :

Required :

Art 100. Art for Elementary Teachers	2 units
Art 120. Crafts for Elementary Teachers	2 units
English 128. Interpreting Children's Literature	3 units
Geography 101. Survey of the Modern World	3 units
Music 103B. Elementary School Music	3 units
Physical Education 120. Physical Education in Elementary Schools	3 units

Electives : Select one course from the following :

Geography 109. Geography of the Pacific Area	3 units
Geography 121. Geography of Anglo-America	3 units
Geography 122. Geography of Latin America	3 units
Geography 131. Geography of California	3 units
History 162A or B. Latin America	3 units
History 181. The Westward Movement and the West	3 units
History 188. California	3 units
History 190. The Pacific Area	3 units
Chemistry 110. Physical Science Survey	3 units
Nature Study 118. Everyday Nature	3 units
Physical Education 150. School Health Education	3 units

21 units

(3) Additional electives to make 124 units for graduation. The students should consult the general elementary credential advisers as to the electives which will better prepare them for teaching. The electives listed below are suggested as being valuable for general elementary credential candidates.

Education 107. History and Philosophy of Education	3 units
Education 109. Tests, Measurements and Evaluation	2 units
Education 125. Educational Sociology	2 units
Art 126. Construction for Elementary Schools	2 units
Education 149. Teacher in the Community	2 units
Education 188. Psychology and Education of the Exceptional Child	3 units
Nature Study 120. Nature Study	3 units
Drama 163. Speech and Dramatic Activities in Elementary Schools	3 units

(4) Demonstration of adequate proficiency in the subjects required by law (California Education Code, Section 12130) and evidence of adequate preparation for teaching the statutory elementary school subjects. Evidence of proficiency will be interpreted as consisting of satisfactory scores on standardized achievement and/or aptitude tests administered at the college, or official transcripts of school study showing satisfactory completion of courses in the designated subjects. Students with scores below accepted standards may be required to take remedial classes without credit.

**Credential Program for Graduate Students**

All graduate students of Los Angeles State College or of other institutions, who enter the general elementary or the kindergarten-primary credential programs after June, 1951, will be held for the following programs of work as prerequisites for directed teaching :

1. Kindergarten-primary credential. All professional education courses listed as prerequisites to Ed. 150A and the following courses in the composite minor : Art 100, Art 120, English 128, Music 126, Physical Education 120.

2. General elementary credential. All professional education courses listed as prerequisites to Ed. 150B and the following courses in the composite minor : Art 100, Art 120, English 128, Music 103B, Physical Education 120.

Since the program above, with the addition of Directed Teaching and other required education courses, will total 37 units, graduate students are advised that they should plan to spend three semesters in securing either credential.

REQUIREMENTS FOR THE GENERAL SECONDARY CREDENTIAL

The requirements listed below must be met by all students in State College who expect to obtain the general secondary credential.

1. Completion of a bachelor's degree from an accredited college or university with an undergraduate grade point average of at least 1.5.
2. Completion of the United States Constitution requirement either through course or examination.
3. Completion of a minimum of 30 units of upper division and graduate courses after receipt of the bachelor's degree, including six units in education and six units in subject fields commonly taught in junior and senior high school.
4. Completion of an approved teaching major and of an approved teaching minor. Major and minors in the teaching fields shall be selected from subject fields listed below (additional major and minors may, from time to time, be added by the State Commission on Credentials).

- Social Studies
- Biological Science and General Science
- Physical Science and General Science
- English
- Speech
- Language Arts
- Modern Language
- Mathematics
- Health Education

Special Fields: Teaching majors and minors are also available in the following special fields: art, business education, physical education, nursing education, music and speech arts.

5. Completion of 27 hours of professional work in education, as follows:
 

* Education 102. Growth and Development.....	2 units
Education 107. History and Philosophy of Education.....	3 units
Education 109. Tests, Measurements and Evaluation.....	2 units
Education 110. Educational Psychology.....	3 units
Education 130. Counseling and Guidance in the High School.....	2 units
Education 147. Audio-visual Methods.....	2 units
Education 170. Principles, Curriculum and Observation in Secondary Education.....	3 units
Education 193. Methods in the Major Subject.....	2 units
Education 250. Directed Teaching in Secondary Schools.....	6 units
Psychology 108. Mental Hygiene.....	2 units
27 units	

*Sequence of Courses*

It is recommended that education courses for the general secondary credential be taken in the following order. Those entering the program in their junior year should take Education 102 or Psychology 113, Education 107, Education 109, Education 110, with Education 125 as an elective. During the senior year they should take Education 130, Psychology 108, Education 193, and Education 170. Their graduate year they should take Education 147, and two semesters of Education 250. For those entering the program their senior year, the following sequence is advised: senior year take Education 102 or Psychology 113, Education 107, Education 110, Education 109, Education 170, and Education 193. Graduate year take Education 130, Education 147, Psychology 108, and two semesters of Education 250. For students entering the general secondary program their graduate year the following sequence is recommended: first term take Education 107, Education 109, Education 110, Education 170, Education 193, and Psychology 113 or Education 102. Second term take Education 130, Education 147, Psychology 108, and Education 250 (double load).

\* Psychology 113. Psychology of Adolescence (3 units), may be substituted for Ed. 102.

NOTE: The following courses must be taken before entrance into Education 250: Education 102 or Psychology 113, Education 107, Education 109, Education 110, Education 170 and Education 193. Also, Observation must be taken at Los Angeles State College previous to Education 250. This is fulfilled by the current Education 170, or by Education 165 (for those who have taken Education 170 without Observation at Los Angeles State College).



### REQUIREMENTS FOR THE SPECIAL SECONDARY CREDENTIAL IN SUBJECT FIELDS

Core requirements for the special secondary credential in art, business education, music, nursing education, physical education, special education, and speech arts are as follows:

1. Completion of a bachelor's degree with an undergraduate grade point average of at least 1.5.
2. Completion of the U. S. Constitution requirements either through course or examination.
3. Completion of an approved teaching major. See departments concerned. No minor required.
4. Completion of 16 hours of professional work in education as follows:
 

Education 102. Growth and Development <i>or</i>	2-3 units
Psychology 113. Adolescent Psychology -----	
Education 107. History and Philosophy of Education <i>or</i>	3-2 units
Education 130. Counseling and Guidance -----	3 units
Education 170. Princ., Curriculum and Obs. in Secondary Schools	2 units
Education 193. Methods in the Major Subject -----	4 units
Education 250. Directed Teaching in Secondary Schools -----	3 units
Education 110. Educational Psychology -----	3 units
	16-18 units

### REQUIREMENTS FOR THE JUNIOR HIGH CREDENTIAL

Similar to the requirements for the special secondary credential above, with the addition of Education 147, making a minimum of 20 units in Education.

### REQUIREMENTS FOR SPECIAL SECONDARY CREDENTIALS IN AREAS OF DEVIATION

#### *Teaching the Blind*

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential for teaching the blind.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
 

Ed. 188. Psychology and Education of the Exceptional Child -----	3 units
Ed. 210. Vision -----	3 units
Ed. 212. Methods of Teaching Partially Sighted Children -----	3 units
Ed. 211. Methods of Teaching Blind Children -----	3 units
Ed. 213. Braille -----	3 units
Ed. 249B. Observation of Visually Limited -----	1 unit
Ed. 251B. Directed Teaching -----	4 units

Typing by the touch system is required.

#### *Teaching the Deaf*

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential for teaching the deaf.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
 

Ed. 188. Psychology and Education of Exceptional Child -----	3 units
Aud. 100. Audiology -----	3 units
Ed. 201. Methods of Teaching Deaf Children -----	3 units
Ed. 202A-B. Language for the Deaf -----	6 units
Ed. 203A-B. Speech for the Deaf -----	6 units
Aud. 120. Speech Reading -----	3 units
Aud. 130. Auditory Training -----	2 units
Aud. 131. Auditory Training for the Deaf -----	1 unit
Ed. 249D. Observation -----	1 unit
Aud. 110. Audiometry -----	3 units
Ed. 251D. Directed Teaching -----	4 units

NOTE: Education 102 or Psychology 113, Education 110, Education 170 and Education 193 must be completed before the student will be allowed to enter Education 250. If Education 170 has not included Observation at Los Angeles State College, Education 165 must be completed before the entrance into Education 250.

3. Recommended supplementary courses:  
Speech 131. American Phonetics

*Teaching Lip Reading to the Hard of Hearing Child*

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential for teaching the hard of hearing child.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
 

Ed. 188. Psychology and Education of the Exceptional Child	3 units
Aud. 100. Audiology	3 units
Sp. 131. American Phonetics	2 units
Sp. 134. Principles and Methods of Speech Therapy	3 units
Psy. 108. Mental Hygiene	2 units
Aud. 120. Speech Reading	3 units
Aud. 130. Auditory Training	2 units
Ed. 249HH. Observation of Aurally Limited	1 unit
Ed. 251HH. Directed Teaching	4 units
3. Recommended supplementary courses:  
Aud. 110. Audiometry

*Teaching the Mentally Retarded*

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential for teaching the mentally retarded.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
 

Ed. 102. Child Growth and Development or Psy. 112. Child Psychology	2-3 units
Ed. 188. Psychology and Education of the Exceptional Child	3 units
Psy. 106. Mental Deficiency	3 units
Ed. 221. Methods of Teaching Mentally Retarded	3 units
Ed. 227. Observation of Mentally Retarded	1 unit
Art. 100. Art for Elementary Teachers	2 units
Art. 126. Construction for Elementary Schools or Art. 120. Crafts for Elementary Teachers	2 units
Ed. 249MR. Observation of Mentally Retarded	4 units
Ed. 251MR. Directed Teaching	4 units
3. Recommended supplementary courses:  
Sp. 134. Principles and Methods of Speech Therapy  
Psy. 108. Mental Hygiene  
Psy. 110. Abnormal Psychology  
Psy. 154. Clinical Psychology  
Ed. 135. Remedial Reading  
Ed. 130. Counseling and Guidance

*Teaching the Partially Sighted*

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential for teaching the partially sighted.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
 

Ed. 188. Psychology and Education of the Exceptional Child	3 units
Ed. 210. Vision	3 units
Ed. 212. Methods of Teaching the Partially Sighted Child	3 units
Ed. 249V. Observation of Visually Limited	1 unit
Ed. 251V. Directed Teaching	6 units

Typing by the touch system is required.

*School Psychometrist Credential*

The requirements listed below must be met by all students in State College who expect to obtain a School Psychometrist credential.

1. Completion of requirements for a general teaching credential or a four year college course with a bachelor's degree.



2. Completion of professional work as follows:
- |  |                 |
|--|-----------------|
| Ed. 102. Child Development <i>or</i>                       |                 |
| Psy. 112. Child Psychology <i>or</i>                       |                 |
| Ed. 110. Educational Psychology                            | ----- 2-3 units |
| Ed. 109. Tests, Measurements and Evaluation                | ----- 2 units   |
| Ed. 188. Psychology and Education of the Exceptional Child | ----- 3 units   |
| Psy. 154. Survey of Clinical Psychology                    | ----- 3 units   |
| Psy. 127A. Psychological Testing (group)                   | ----- 3 units   |
| Psy. 127B. Psychological Testing (individual)              | ----- 3 units   |
3. Recommended supplementary courses:
- Psy. 127C. Psychological Testing (Performance)
  - Psy. 127D. Psychological Testing (Physically Handicapped)
  - Psy. 106. Mental Deficiency

### Correction of Speech Defects

The requirements listed below must be met by all students in State College who expect to obtain a special secondary credential in correction of speech defects.

1. Completion of requirements for any basic credential.
2. Completion of professional work as follows:
- |  |               |
|--|---------------|
| Ed. 188. Psychology and Education of the Exceptional Child | ----- 3 units |
| Aud. 100. Audiology  | ----- 3 units |
| Psy. 108. Mental Hygiene                                   | ----- 2 units |
| Sp. 131. American Phonetics                                | ----- 2 units |
| Sp. 134. Principles and Methods of Speech Therapy          | ----- 3 units |
| Sp. 136. Clinical Practice                                 | ----- 1 unit  |
| Ed. 249S. Observation of Speech Defective                  | ----- 1 unit  |
| Ed. 251S. Directed Teaching                                | ----- 4 units |
3. Recommended supplementary courses:
- Aud. 120. Speech Reading
  - Aud. 130. Auditory Training
  - Sp. 130. Advanced Voice and Diction
  - Sp. 135. Speech Pathology

### COURSES OF INSTRUCTION

Prerequisite: Upper division standing is required for all education courses.

#### 101A-B. Observation and Participation (1-1) I, II

Two semesters of field experience in public elementary schools as preliminary work for directed teaching. Time requirement: One hour every week for group conferences, two hours every week in classroom observation and participation. Students must schedule their other classes so that the two hours of observation and participation can be obtained between 9 and 12, or between 1 and 3. Observation in the primary grades must be scheduled during the 9 to 12 period.

#### 102. Growth and Development (2) I, II

Prerequisite: General Psychology or consent of instructor. A study of the child from 6 to 18 with emphasis on physical, motor, social, intellectual and emotional growth and development and the inter-relatedness of these factors. Observation of children in their work and play is stressed. (Credit will not be given for both this course and Psychology 112.)

#### 105A. Early Childhood Education (Pre-School) (2) I, II

Prerequisite: Education 102. Techniques used by teacher and parent in guiding the physical, intellectual, social and emotional development of the child during nursery school years.

#### 105B. Early Childhood Education (2) I, II

Prerequisite: Education 102. Methods required for the kindergarten-primary credential. Practical applications of modern educational theory in the primary grades. Special emphasis upon educational activities in kindergarten and the first three grades with practical recognition of the strategic importance of this period of child experience.

106. **Principles of Elementary Education (2) I, II**  
 An overview of the principles underlying the objectives, procedures, operations and trends of the modern elementary school and its functions as a social agency in the community. Required for the general elementary credential.
107. **History and Philosophy of Education (3) I, II**  
 A survey of the historical and philosophical foundation of modern education. Considerable attention to the contributions of recent and contemporary outstanding American educational philosophers.
109. **Tests, Measurements and Evaluation (2) I, II**  
 The construction and use of teacher-made objective examinations; selection and interpretation of standardized tests; elementary statistical techniques; practical approaches to evaluation of the outcomes of instruction.
110. **Educational Psychology (3) I, II**  
 Prerequisite: General Psychology. Principles of psychology applied to learning process. Native capacities, individual differences, heredity, and environment. Kinds, theories, and laws of learning. Measurement of mental maturity, achievement and diagnosis of difficulties.
111. **Instruction in Teaching in the Elementary Schools**  
 Prerequisites: Education 101A, Education 102 or Education 110, and Education 106. Four courses concerning teaching in the elementary schools are offered for a total of five units. All are required for a degree in elementary education or an elementary credential to be obtained through this institution. These courses are usually taken during the first term of the senior year. A laboratory situation is arranged in which the problems, techniques, and inter-relationships of each of the major content areas are identified, examined, utilized and evaluated in light of professional prerequisites. There is careful consideration of the quality and quantity of texts, references, and supplementary materials that are appropriate for the elementary grade.
- 111A. **Instruction in the Teaching of Mathematics in Elementary Schools**  
 (1) I, II
- 111B. **Instruction in the Teaching of Social Studies in Elementary Schools**  
 (1) I, II
- 111C. **Instruction in the Teaching of Language Arts in Elementary Schools**  
 (2) I, II
- 111D. **Instruction in the Teaching of Science in Elementary Schools (1) I, II**
- 111KP. **Kindergarten-Primary Methods (2) I, II**  
 Prerequisite: Education 101A, Education 102, Education 155. A practical methods course which includes the study of purposes, curriculum, organization, lesson planning, teaching methods, equipment, materials, and records suitable for the 5-6-7 and 8-year old child. A part of the work of the course will be observation of teaching methods on this level.
117. **Personality of the Teacher (2) I, II**  
 Study of the techniques and methods of developing the social skills; outline of personality traits desirable in the well-adjusted teacher; evaluation of personality tests, and discussion of dress and grooming for the professional person.
125. **Educational Sociology (2) I, II**  
 A study of the relation of the school and the education system to the community. The role of the teacher in a democratic society. The social responsibility of the school.



130. **Counseling and Guidance in the High School (2) I, II**

Prerequisite: Education 109, Education 110 or equivalent. Counseling and guidance in the secondary school. A course for those intending to do special work in this field and for administrators and others who wish a picture of the personnel program in one course. Topics included: Philosophy of the work, personnel and their functions, special work of the counselor, administration and development of the program.

131. **Educational Statistics (3) I, II (See Mathematics 113)**135. **Diagnosis and Remedial Reading Procedures (3) I, II**

The causes and nature of reading difficulties and the procedures for diagnosis and remedial treatment.

137. **Reading Clinic (2) I, II**

Prerequisite: Education 135, or consent of instructor. A situation designed to provide advanced students with practical experience in the use of diagnostic equipment and special reading techniques.

147. **Audio-Visual Methods (2) I, II**

Designed to acquaint teachers with theories and methods of visual instruction and to furnish experience in the utilization of audio-visual aids.

147A. **Care and Use of Audio-Visual Equipment and Supplies (1) I, II**

Prerequisite: Education 147 or concurrent enrollment in Education 147. Instruction in and practice on the various types of audio-visual projection equipment and recorders. Students will be required to gain proficiency in the operation of basic audio-visual machines, demonstrate an ability in handling basic audio-visual supplies. Two hours per week.

148. **Advanced Audio-Visual Techniques (2) I, II**

Prerequisite: Education 147. Selection, preparation and utilization of audio-visual aids other than the motion picture. Planned primarily for the classroom teacher. Each individual student will develop a unit of work using audio-visual aids.

149. **The Teacher and the Community (2) I, II**

Principles in the development of harmonious teacher-community relationships, and the teacher as a community leader.

150A. **Directed Teaching—Kindergarten-Primary Level (4-4) I, II**

Prerequisites: Education 101A-B, Education 102, Education 105A or Education 105B, Education 111KP, and Education 155. The composite minor should also be near completion before directed teaching is attempted. See detailed section on directed teaching for description of other prerequisites for directed teaching and for discussion of the importance of directed teaching in the teacher education program.

50B. **Directed Teaching—Elementary Level (4-4) I, II**

Prerequisites: Education 101A-B, Education 102, Education 106, Education 110, and Education 111A-B-C-D. The composite minor should also be near completion before directed teaching is attempted. See detailed section on directed teaching for description of other prerequisites for directed teaching and for discussion of the importance of directed teaching in the teacher education program.

155. **Principles of Kindergarten-Primary Education (2) I, II**

An overview of the Public School System and the principles underlying the objectives, procedures, operations, and trends of the modern elementary school with special emphasis on how they operate in the nursery school and kindergarten and primary grades. A study of the school's function as a social agency in the community and of its relation to local, state and federal government.

156. **Remedial Reading on the College Level (no credit) I, II**  
 This course is designed to aid the college student who needs to increase his facility with reading. Specific course of study and requirements will depend upon diagnosis of causative factors and needs. Admission is generally based upon survey test results, and/or the instructor's approval.
165. **Observation and Participation on Secondary Level (1) I, II**  
 One hour weekly lectures and discussion; three periods each week of observation and limited participation in class activities not requiring certification in junior and senior high schools. Assignments are made to classes in major and minor and other fields providing opportunities to observe several experienced teachers meeting daily problems.
170. **Principles, Curriculum, and Observation in Secondary Education (3) I, II**  
 Required of all students preparing for general secondary, special secondary, or junior high school credentials. Secondary education in the United States. Basic principles, aims and scope, upon which modern school practices are established, student and teacher relationships, changing policies in secondary education, and in secondary school curriculum. Class meets three times weekly for one hour. A minimum of three hours per week of observation is also required.
171. **Introduction to Business Education (2) I**  
 The aims, scope, desirable outcomes, organization, administration, and teaching of business education in the secondary schools. (Formerly Ed. 193Ba.)
174. **Driver Education (2) I, II**  
 A workshop type course designated to prepare secondary teachers for behind-the-wheel instruction in driver education courses. Persons enrolling must be qualified operators of motor vehicles in California.
175. **Safety Education (2) I, II**  
 The organization of safety work in secondary schools with emphasis on safe and courteous operation of motor vehicles.
179. **Principles of Adult Education (2) I, II**  
 An examination of the purposes and significance of adult education in our society. Principles for organizing and conducting special and evening classes for mature students.
182. **Methods of Adult Education (2) I, II**  
 Methods of teaching and adult class organization based on a study of adult psychology and learning. Lectures, demonstrations, and discussions.
185. **Child Welfare and Attendance (3) I, II**  
 Attendance work, child accounting, home visitation methods, conference techniques, social case work, and agency relationships are included.
186. **Laws Relating to Children (3) I, II**  
 Educational and statutory regulations relating to children.
188. **Psychology and Education of the Exceptional Child (3) I, II**  
 Consideration of the nature, degree, and incidence of conditions which differentiate a child from the normal pattern sensorially, neurologically, physically, mentally or psychologically. The characteristics of the deviate child and suggested procedures for meeting his needs. California state laws in relation to the identification and education of the deviate. (Formerly Education 187, Education 188.) Credit will not be given for both this course and Psychology 104.
189. **Psychology of the Handicapped (3) I, II**  
 Consideration of the nature, degree, and incidence of conditions which differentiate the adult from the normal pattern sensorially, neurologically, physically, mentally, and psychologically. The characteristics of the deviate and suggested procedures for meeting his needs. California state laws concerning the deviate. Credit will not be given for both this course and Psychology 102.



**193. Methods and Materials in Secondary School Subjects (2) I, II**

A series of professional courses intended for prospective secondary school teachers in indicated subject fields. Each course will include consideration of objectives, methods, materials, and problems involved in teaching in the particular field. Each candidate for a secondary credential must complete the appropriate methods course in his major. It is recommended that the methods course in the minor be completed also. In general, the methods course should be taken prior to Education 250, Directed Teaching in Secondary School.

193A. Methods of Teaching Art in Secondary School

193Bs. Methods of Teaching Secretarial Subjects in Secondary School

193Bb. Methods of Teaching Bookkeeping and Business Education subjects in the Secondary School

193FL. Methods of Teaching Foreign Language in Secondary School

193LA. Methods of Teaching English, Speech and Drama in the Secondary School

193Mu. Methods of Teaching Music in Secondary School

193MuA. Instrumental Methods and Materials

193MuB. Choral Methods and Materials

193MuC. Elementary Music Methods for Secondary Credential Candidates

193Ma. Methods of Teaching Mathematics in Secondary School

193PE. Methods of Teaching Physical Education in Secondary School

193Sc. Methods of Teaching Science in Secondary School

193SS. Methods of Teaching History and Social Studies in Secondary School

**195. Education of the Physically Handicapped (2) I, II**

The characteristics common to the physically handicapped with attention to means of adjusting the curriculum to coordinate with their therapeutic care.

**GRADUATE COURSES****201. Methods of Teaching Deaf Children (3) I, II**

Prerequisite: Audiology 100 (may be taken concurrently). Consideration of general problems and methods in teaching the deaf child. Attention is given to the preparation of study guides and vocabulary development in each subject area. Practice in developing units of work for deaf children will be included.

**202AB. Language for the Deaf (3-3) I, II**

Prerequisite: Audiology 100 (may be taken concurrently). Principles and methods of language development with deaf children. Acquisition of language through daily activities is emphasized including the development of materials to be used in the various language areas. (Formerly Education 115AB.)

**203AB. Speech for the Deaf (3-3) I, II**

Principles and methods of eliciting meaningful speech from deaf children using tactilekinesthetic, auditory, and visual senses. (Formerly Education 114AB.)

**210. Vision (3) I, II**

Designed to develop a concept of vision and an understanding of the problems of the visual deviate. Includes basic principles of the lens system, the physiology of the eye, and visits to eye clinics or hospitals. (Formerly Education 154A.)

**211. Methods of Teaching Blind Children (3) I, II**

Prerequisite: Education 210 (may be taken concurrently). Specific instruction in Braille and in pencil writing. Preschool education for the blind, kindergarten training, methods of teaching elementary school subjects and recreation for blind children. (Formerly Education 154B-C.)

**212. Methods of Teaching Partially Sighted Children (3) I, II**

Prerequisite: Education 210 (may be taken concurrently). Organization of classes for the partially sighted children, including coordination with regular class materials, equipment and methods for working with the partially sighted child. Testing materials will be included in the consideration. (Formerly Education 154C.)

213. **Braille (3) I, II**  
 A course designed for teachers, with emphasis on both actual practice in reading and writing Braille, and methods and techniques involved in teaching the same. Includes preparation of graded materials.
218. **Vision Testing (3) I, II**  
 Prerequisite: Education 210 or consent of instructor. Designed to meet proposed requirements of the State Board of Education for the administration of screening tests for vision. Instruction and practice in the administration of tests of vision, the making of records and reports. Consideration of California state laws and procedures relating to identification of the visual deviate and the establishment of clinics.
221. **Methods of Teaching Mentally Retarded (3) I, II**  
 Prerequisite: Psychology 106 (may be taken concurrently). Principles and methods of organizing classes and developing curriculum for the mentally retarded child. Practice in developing materials for various levels. (Formerly Education 189.)
249. **Observation in Special Education (1) I, II**  
 Prerequisite: Appropriate base. Observation should be taken concurrently with a methods course. It must be taken before Ed. 251 unless waived by the Coordinator of Special Education.  
 249B. Observation with the blind  
 249D. Observation with the deaf  
 249HH. Observation with the hard-of-hearing  
 249MR. Observation with the mentally retarded  
 249S. Observation in speech correction  
 249V. Observation with the partially sighted
250. **Directed Teaching in Secondary School (3-6) I, II**  
 Prerequisites: Education 102 or Psychology 113, Education 107, 109, 110, and 170. See detailed section on directed teaching for description of other prerequisites for directed teaching and for discussion of the importance of directed teaching in the teacher education program. Directed teaching, the culminating experience in the prospective teacher's professional training, is done under the daily supervision and guidance of a qualified training teacher designated by the school principal to serve in this capacity. A designated member of the college staff also assists in general supervision and counseling.
251. **Directed Teaching in Special Education I, II**  
 Prerequisites: Appropriate basic, methods and observation courses in the specific area of the deviation. The 251 courses are reserved for directed teaching in the field of special education.  
 251B. Directed teaching with the blind (4)  
 251D. Directed teaching with the deaf (4)  
 251HH. Directed teaching with the hard-of-hearing (4)  
 251MR. Directed teaching with the mentally retarded (4)  
 251S. Directed teaching in speech correction (4)  
 251V. Directed teaching with the partially sighted (6)
255. **Advanced Educational Statistics (3) I, II**  
 Prerequisite: Mathematics 113. An applied course, at an advanced level, dealing with the common measures needed in the understanding and interpretation of data derived from educational measurement and research.
- 260A. **Principles of Elementary Curriculum Development (2) I**  
 Prerequisite: Education 150 or equivalent. Development of curricula on the elementary level. (Formerly Education 224A.)
- 260B. **Principles of Secondary Curriculum Development (2) I**  
 Prerequisite: Education 250 or equivalent. Development of curricula on the secondary level. (Formerly Education 224B.)



## 263. Supervision of Instruction and Curriculum in the Elementary Schools

(2) II

Prerequisite: General elementary credential. Principles and practices of supervision and methods of evaluating instruction and the curriculum in elementary education.

## 264. Supervision of Instruction and Curriculum in the Secondary Schools (2) II

Prerequisite: General secondary credential. Principles and practices of supervision and methods of evaluating instruction and the curriculum in secondary education.

## 265. Field Work in Elementary School Administration and Supervision

(variable) I

Prerequisite: Completion of 20 semester hours beyond the general elementary credential. Field work and first-hand study of the administration and supervision of the elementary school, as required for the elementary school administrative and supervisory credentials.

## 266. Field Work in Secondary School Administration and Supervision

(variable) I

Prerequisite: Completion of 10 semester hours beyond the general secondary credential. Field work and first-hand study of the administration and supervision of a secondary school, as required for the secondary school administration and supervisory credentials.

## 270. Organization and Administration of the Elementary School (2) I

Prerequisite: Graduate standing. Principles and problems affecting the responsibilities of the teachers, administrators, and other members of the staff in the development of the instructional and noninstructional aspects of the school program.

## 271. School Organization and Administration (2)

Prerequisite: Graduate standing. Problems in the organization, administration, and supervision of public education at the federal, state, county, city and district levels; principles and techniques in public school personnel administration, including qualifications and certification, employment, compensation and retirement.

## 272. School Law in California (2) I

Prerequisite: Graduate standing. Legal aspects of federal, state, and district school organization and administration including functions, relationships, responsibilities, and legal status of the various school agencies as shown by statutes and court decisions.

## 273. School Finance and Business Management (2) II

Prerequisite: Graduate standing. An analysis of fundamental principles underlying public school finance with particular emphasis on California, including the budgeting, accounting, and auditing of district revenue; and the fundamentals of business management embracing purchasing, warehousing, and supply administration.

## 276. Organization and Administration of the Secondary School (2) I

Prerequisite: Graduate standing. A consideration of underlying principles, techniques and methods in the organization and administration of the modern secondary school; a discussion of pertinent issues and problems relative to the administration of instructional and noninstructional aspects of the secondary school program, pupil services, certificated and classified personnel.

## 277. Administrative Problems of the Principal (2) II

Prerequisite: Graduate standing. Administrative planning and policy making; coordination of activities with other public educational agencies. Evaluation of school administrative techniques, their contribution to the educational program, and their relation to educational planning and policy making.

**278. School Public Relations (2) I**

Prerequisite: Graduate standing. A consideration of the administrative responsibilities of maintaining desirable public relations, including the organization of school publicity, and an understanding of the agencies for reaching the public. Community relationships in their social, civic, economic, and cultural aspects.

**279. Schoolhouse Construction and Maintenance (2) I**

Prerequisite: Graduate standing. Principles and procedures in the evaluation and selection of school sites, including the organization of attendance areas and the influence of transportation; legal provisions governing bids, contracts, inspection and methods of financing; principles in the administration of custodial services, work schedules, schoolhouse maintenance and repair.

**280. Techniques of Counseling and Guidance (2) I, II**

Prerequisite: Education 130. An advanced course in methods; a practicum in counseling techniques. Major activity is practice in role-taking and analysis of recorded or transcribed counseling sessions; observation of counseling activities in school. Two one-hour sessions. See also Psychology 160. (Formerly Education 159.)

**282. Vocational Guidance (2) I, II**

Prerequisite: Graduate standing and Education 130 and, if possible, 280. Designed to aid those rendering guidance services. The student will be offered practical experience in dealing with problems of selection of occupational objectives, training, placement, and employee relations.



# DIVISION OF FINE ARTS

## ART

William E. Daywalt, Ed.D., Professor of Art, Chairman of the Department  
Theodore W. Little, M.A., Associate Professor of Art  
Donald Keith Manion, M.A., Associate Professor of Art  
Hudson Roysher, M.F.A., Associate Professor of Art  
Robert V. Kovacic, B.A., Assistant Professor of Art  
Thomas Tramel, B.A., Assistant Professor of Art  
Esther B. Sion, M.F.A., Instructor in Art

### AIMS

The various majors in art are designed for the benefit of the following groups:

#### *Plan I—Art Teachers*

A complete schedule of courses is offered to provide art teachers with the necessary background to equip them to teach the various phases of art. Besides the secondary credential, which is offered with a major in the art field, art majors may obtain a special secondary credential in art which qualifies them for art teaching and art supervision at all levels.

#### *Plan II-A—Applied Arts Majors*

Opportunity is provided for commercial artists, commercial designers, industrial designers, illustrators, craftsmen in the various art fields, and others who wish to qualify themselves for professional competence in art. This Plan II may be combined with Plan I to provide both professional competence and the teaching credential.

#### *Plan II-B—Fine Arts Majors*

A complete program in design, painting and illustrating is provided which will prepare the student for professional work in these fields. This plan and/or Plan II-A and/or Plan I may be combined so that the student achieves technical competence in his field and also has a teaching credential.

#### *Plan III—General Cultural Pursuits*

The Art Department has many offerings which will provide both the art majors and other majors of the college with the cultural subjects which distinguish a liberal arts college. It is possible to major in this field by concentrating on such subjects as Art History.

### SCOPE

The department offers a program leading to a Bachelor of Arts Degree in several fields of concentration. These fields and the advisers follow:

Teaching	Mr. Manion
Applied Arts	Mr. Little
Crafts	Mr. Kovacic
Fine Arts	Mrs. Sion
Industrial Design	Mr. Roysher
Art History	Mr. Manion

### REQUIREMENTS FOR THE GENERAL SECONDARY CREDENTIAL WITH AN ART MAJOR

Courses required for a secondary teaching art minor are those marked \*. See Division of Education for remaining requirements, p. 75.

*Lower Division—Preparation for the major*

Art 1A-B *. Survey .....	4 units
Art 4A-B *. Drawing .....	4 units
Art 2A *. Art Structure .....	2 units
Art 27A *. Handicrafts or Art 35. Ceramics .....	2 units
Electives—Art 15 *. Lettering (2) is recommended and other units needed to meet the requirements for upper division standing (see General Requirements, p. 30) .....	48 units
	<hr/> 60 units

*Upper Division*

Art 101A or B. Art in Modern Life .....	2 units
Art 102A or B. Crafts or Art 122A. Advanced Ceramics .....	2 units
Art 103A *-B. Design .....	4 units
Art 104A *. Advanced Painting .....	2 units
Art 111A or B, 112A or B. Art History .....	2 units
Art 134A *. Landscape (Watercolor) .....	2 units
Art 143A. Interior Design or Art 153A. Costume Design or Art 116A. Theater Design .....	2 units
Art 164A *. Life Composition .....	2 units
Education 193A. Methods .....	2 units
Electives—Art 100 *. Art for Elementary Teachers (2), Art 101A-B. Art in Modern Life (4), or Art 104B. Advanced Painting (2) are recommended. Other courses necessary to meet the requirements for the bachelor's degree (see General and Credential Requirements) .....	44 units
	<hr/> 64 units

*Graduate Year*

Graduate courses after receipt of the bachelor's degree to include 6 units in art (see general secondary credential requirements, p. 75) .....	30 units
	<hr/> 154 units

**REQUIREMENTS FOR THE SPECIAL SECONDARY CREDENTIAL  
WITH AN ART MAJOR**

The art requirements for the special secondary credential in art are the same as those for the general second credential art major, with the addition of Art 100. Art for Elementary Teachers (2). See Division of Education, p. 73, for requirements in addition to those of the major.

**REQUIREMENTS FOR THE TEACHING MINOR IN ART**

Twenty units, of which 10 must be in upper division courses in Art.

**REQUIREMENTS FOR A NONTEACHING ART MAJOR**

*Lower Division—Preparation for the major*

Art Appreciation or History .....	4 units
Crafts .....	4 units
Drawing or Painting .....	4 units
Design .....	4 units
Other units needed to meet the requirements for upper division standing (see General Requirements, p. 30) .....	44 units
	<hr/> 60 units

NOTE: Not more than 20 units of lower division art will be accepted toward the degree in the curriculum above.

*Upper Division*

A minimum of 24 units to be planned with an art adviser and the Registrar's office.



**REQUIREMENTS FOR A NONTEACHING MINOR IN ART**

Twelve units, at least six of which must be in upper division.

**COURSES OF INSTRUCTION****100. Art for the Elementary School (2) I, II**

Prerequisite: Upper division status. Basic skills and understandings that enable the primary and elementary teacher to provide art experiences to children. Teaching confidence and skill provided by working with finger painting, water color painting, calcimine painting, map making, manuscript writing, mural painting, figure drawing, chalk drawing and work in other media. Laboratory and accompanying lectures.

**101A-B. Art in Modern Life (2-2) A—I, II; B—I, II**

An understanding and appreciation of the contribution art makes to life in our democratic culture. Field trips, discussions, study of reproductions and slides.

**102A-B. Introduction to Craft Materials (2-2) A—I, II; B—I, II**

Prerequisite: Art 2A, Design, or equivalent. Laboratory and accompanying lectures to provide experiences in designing and constructing objects of clay, paper, wire, wood, metal, fabrics, paints, and plastics.

**103A-B. Three-Dimensional Design (2-2) A—I, II; B—I, II**

Prerequisite: Art 2A, Design, or equivalent. Individual and group experiences in three-dimensional expression. In the first semester emphasis upon designing and making of objects which demonstrate the use of fine design in the immediate environment of each student. In the second semester emphasis upon designing in business.

**104A-B. Advanced Painting (2-2) A—I, II; B—I, II**

Prerequisite: Two semesters each in painting and design. Emphasizes individual planning, growth, and fine craftsmanship. Related research in reading. Field trips as needed.

**110. Art Appreciation for Teachers (2) I, II**

Prerequisite: Upper division status. Evaluation of the cultural expressions of this community in terms of the art expressions of other areas and times. Extensive use made of slides, colored reproductions, field trips to local museums, contemporary buildings and world famous private art collections. Field trips to be arranged.

**111A-B. Art History (2-2) A—I; B—II**

First semester deals with the art of the ancient world from the earliest beginnings to the time of Christ. Second semester deals with Roman, Early Christian, Medieval, and Renaissance art.

**112A-B. Art History (2-2) A—I; B—II**

First semester deals with Baroque art in Europe during the seventeenth and eighteenth centuries. Second semester discusses art during the nineteenth century in Europe and America and its development into the art of modern times.

**113A. Introduction to Industrial Arts Design (3) I, II**

Prerequisite: Art 2A, Design, or equivalent. Basic skills and appreciation in design leading to the development of worthwhile student projects in industrial arts. Lectures, field trips and laboratory. Students will design and originate industrial arts projects which will be carried to conclusion during the laboratory period. Work with the materials of industry.

**114. Furniture Design and Construction (3) I, II**

Appreciation of good functional furniture design and experiences in designing and constructing furniture. Origination of good methods of teaching furniture design and construction. Lectures, field trips and study of outstanding examples of good furniture design. Students will design and construct furniture. Designed for industrial art teachers.

116. **Theater Design (2) II**  
 Visual relationships involved in both play and dance production. Designing and making models, construction and painting stage scenery.
- 117A-B. **Ceramics (2-2) A—I, II; B—I, II**  
 Development of the basic skills necessary to the planning, building and firing of pottery. Students design, build, fire and glaze pottery.
120. **Crafts for Elementary School (2) I, II**  
 Prerequisite: Upper division status. Basic skills and understandings that enable the primary and elementary teacher to provide crafts experiences to children. Evaluation of educational value of crafts. Teaching skill and confidence aided by working with clay, leather, bookbinding, weaving, block printing, paper enrichment and other craft materials and processes. Laboratory with accompanying lectures.
- 122A-B. **Advanced Ceramics (2-2) A—I, II; B—I, II**  
 Prerequisite: Art 102, 117A-B, or Art 120, or permission of instructor. Throwing, plaster casting, pouring, glazing, and stacking the kiln, for bisque and glaze firing. Lectures and discussions on clay bodies, glaze composition, methods of decoration and the design of ceramic forms.
126. **Construction for Elementary Schools (2) I, II**  
 Prerequisite: Upper division status. Organizing and developing curricula which utilize construction experiences that meet the needs and interests of children. Laboratory and accompanying lectures in which construction projects are developed. Experience in making materials used in dramatic play to enrich the social studies.
- 127A-B. **Crafts (Advanced) (2-2) Year course**  
 Prerequisite: Two semesters in design. Aims to provide the students with a high degree of technical skill in the execution of projects using craft materials and original designs. The completing of the designs into a finished craft product of professional quality. Craft materials such as leather, wood, various papers, metals, and other mediums are used according to the demands of the individual project.
- 131A-B. **Oriental Art (2-2) Year course**  
 The ancient graphic and plastic arts of China, Japan, India, and Persia. Evaluation of their contribution to the art expression of the present day.
- 132A-B. **Design for Industry (2-2) A—I, II; B—I, II**  
 Prerequisite: One semester in design. Materials, tools, processes and functional design used in making industrial products.
- 133A-B. **Advertising Design (2-2) A—I, II; B—I, II**  
 Prerequisite: Two semesters in design, one semester in drawing. The elements of visual expression and design related to the technical, psychological and social aspects of advertising.
- 134A-B. **Landscape Painting (2-2) A—I, II; B—I, II**  
 Prerequisite: Art 4A or 4B or one semester of representative drawing. Development of water color technique through interpreting landscape scenes.
- 140A-B. **Clay Modeling (2-2) A—I, II; B—I, II**  
 Experiences in using clay as an expressive medium. Modeling small objects, slab and coil methods of pottery making, methods of decoration, including slip, glazes and textural effects.
- 141A-B. **History of Costume and Furniture (2-2) Year course**  
 Costume and furniture from earliest times to the present day in relation to the functional, technological and social aspects of each period.



**143A-B. Interior Design (2-2) A—I, II; B—I, II**

Prerequisite: Two semesters in design, one semester in drawing. The elements of visual expression and design in relation to the designing of interiors for industry and residences. Field trips, laboratory with accompanying lectures.

**144A. Still Life Painting (2) I, II**

Prerequisite: Two semesters in design. Development of technique of rendering through interpreting still life. First semester: water color. Second semester: oil.

**47A-B. Textiles and Weaving (2-2) A—I, II; B—I, II**

Loom and frame weaving, reading and writing of pattern drafts, design of printed fabrics including the use of silk screen, linoleum blockprints, stencils and dyes.

**154. Painting for Amateurs (2) I, II**

Individual experience and growth in drawing and painting. The use of pastels, water colors, oils or other media in still life and landscape according to the needs of the individual student.

**162. Arts and Crafts in Recreation (2) I, II**

A working knowledge of a few basic crafts and familiarity with others. Acquaints students with the tools, materials, and program possibilities in arts and crafts. (Formerly P.E. 162).

**164A-B. Life Composition (2-2) A—I, II; B—I, II**

Prerequisite: One semester of drawing or design. Encouragement for the student to grow in self-expression. The student will use the human figure in composition. Life compositions will utilize various media and techniques.

**175. Costume Design (2) I**

No prerequisite. Teaches the skills necessary to design costumes for stage, theater, street, and other occasions. The projects will be designed by the individual students and carried out in a manner used by industry. Designing on paper and with materials through the use of half-size and full-size mannequins. Emphasis is upon functional design as applied to industrial materials.

**177A-B. Metalsmithing and Jewelry (2-2) A—I, II; B—I, II**

Manufacture and design of jewelry and metal projects. Basic metal techniques, carving, raising, forming, repousse, stone setting, forging, and soldering. Laboratory and lectures.

**179A-B. Art Display (2-2) A—II, B—I**

Prerequisite: Permission of the instructor. Preparation and organization of the student's art work in portfolio form for presentation to prospective employer. Opportunity for broader experience in the techniques, methods, and media of display. Laboratory, field trips, and accompanying lectures.

**190A. Industrial Graphics (2) II**

Prerequisite: Art 2A, 4A, or equivalent. Basic technical illustration methods for the presentation of service instructions, production methods, and sales promotion visual material. Emphasis upon mechanical drawing and interpretation of three-dimensional exploded drawings in pencil, pen and ink, and Ben Day shading. Actual production of handbooks, assembly job folders, and brochures. Combined laboratory and lectures.

**190B. Rubber Products Design (2) I**

Prerequisite: Preliminary course in design and/or rubber technology. Study of the designer's problems relative to production of objects made of rubber. Laboratory and accompanying lectures. The student will design, draw, and construct models of products to be manufactured, using the techniques common to the rubber industry.

**198A-B-C-D. Field Assignment and Reports (1-4) I, II**

Prerequisite: Active, approved employment under the work-study plan. Analysis and reports of the student's performance; regular group meetings.

**199. Special Studies in Art (2-4, 2-4) I, II**

Prerequisite: Consent of the instructor. Individual projects in such fields as crafts, design, painting, art history, or art education. Each course carries two units per semester. Total of eight units is allowed and four units may be carried concurrently.

**GRADUATE COURSES****227. Advanced Crafts (2)**

Prerequisite: Two semesters in design, one in crafts. The student must demonstrate the ability to carry on independent work of graduate quality. Students create and execute original designs in craft materials. Professional competence is achieved in designing and constructing articles in leather, wood, various papers, metals and other mediums according to the demands of the individual project.

**231A-B History of Art Seminar (2)**

Prerequisite: Eight semester hours of Art Appreciation and/or Art History; ability to work independently; permission of the instructor. Advanced studies in the History of Art.

**299. Graduate Problems (2-4), (2-4), I, II**

Prerequisite: Eight units in the field of design, art history, drawing, crafts, or other field of the student's major interest. Independent research and projects in the field of the student's major interest.

NOTE: In Art the B portion of courses may be taken before A portion, with the instructor's consent.

**RELATED COURSES****Ed. 193A. Methods of Teaching Art in Sec. Sch. (2) I**

See Education Department.



## MUSIC

Grant O. Cook, Ed.D., Associate Professor of Music and Chairman of the Department  
 Francis H. Baxter, M.A., Assistant Professor of Music  
 Vernon F. Leidig, B.A., Assistant Professor of Music  
 Hugh B. Mullins, Ph.D., Assistant Professor of Music  
 Jane Koehler Plank, M.A., Assistant Professor of Music  
 Maurine Timmerman, M.A., Assistant Professor of Music

### AIMS AND SCOPE

The Music Department offers courses designed for three groups of students:

*Plan I*

Those who expect to teach music in the public elementary or secondary schools.

*Plan II*

Those who expect to become professional musicians or critics and wish supplementary training leading to a B.A. degree.

*Plan III*

Those who want to study music as part of their general cultural education.

To meet these aims upper division courses in music may be taken that lead to the Bachelor of Arts and the special and secondary teaching credentials.

The areas of specialization and the advisers for each follow:

<i>Specialty</i>	<i>Adviser</i>
Music history and literature.....	Baxter and Mullins
Orchestral instruments .....	Leidig
Piano .....	Plank
Theory and composition.....	Cook and Mullins
Voice .....	Mullins
Elementary music methods.....	Plank and Timmerman
Secondary credentials.....	Baxter and Cook

### WORK-STUDY PROGRAM

The work-study program plays an important role in the Music Department and offers the qualified student many advantages found in few other schools.

1. It provides an integration between theory and practice, principles and applications.
2. It enables the student to gain experience in commercial music projects and productions.
3. It gives the student valuable contacts with employers.

See also the description of the Work-Study Program on page 19.

### CORE REQUIREMENTS FOR ALL MUSIC MAJORS

1. Placement tests (new music majors only) in theory, piano, and voice during registration week prior to program approval. Students with inadequate preparation may have to take preliminary courses without credit toward the major.
2. Participation each semester with or without credit, in choir, orchestra or band. Majors are expected to attend weekly departmental recitals.
3. Demonstration of competence (a) in student's major instrument or voice before graduation by giving a senior or a public recital; (b) in piano to the level of Music 34D or 112D; (c) all music majors credential candidates must pass a practical piano examination by the end of the junior year.

## RECOMMENDED DISTRIBUTION OF ELECTIVES BY SPECIALTIES

Music history and literature	from 123, 132, 167, 172, 173, 212, 213, 214, 215.
Orchestral instruments	from 106, 107, 108, 116, 138, 160A-B, 167, 172B, 178, 204, 209A-B, 216.
Piano	at least four units from 148, 174, 175; others from 124, 172A.
Theory and composition	from 159B, 163B, 164, 168A-B, 169, 172C, 208A-B, 209A-B.
Voice	at least four units from 101, 110, 130, 171; others from 132, 173, 177, 203.

## PLAN I—REQUIREMENTS FOR THE GENERAL SECONDARY CREDENTIAL

*Lower Division—Preparation for the major*

Solfege	4 units
Harmony	6 units
Piano (1 unit per semester)	4 units
Voice (1 unit per semester)	2 units
Additional units to complete lower division requirements (see General Requirements, p. 30)	44 units
	<hr/> 60 units

No grade below "C" in lower division work will be accepted for the major.

*Upper Division*

Music 105A-E. Instruments	4 units
From Music 109, 110, or 130. Voice	2 units
Music 131A-B. History of Music in Western Civilization	6 units
Music 158A-B. Music Theory and Composition	6 units
Music 160A-B or 166. Orchestration	2-4 units
Music 161 and 162. Conducting	4 units
Music electives (in field of specialization)	2-4 units
Education 193Mu. Methods for Secondary School Music	2 units
Additional units to complete the minor, the general requirements for a B.A. degree, and as many as possible of the requirements for the General Secondary Credential (listed under Education)	32-36 units
	<hr/> 64 units

*Graduate Year*

Music 159A. Introduction to Form Analysis	2 units
From Music 132, 167, 172, 173, 212, 213, 214 or 215	2 units
Music 163A or B. Counterpoint	2 units
Music electives (in field of specialization)	4 units
Education 193MuA and MuB. Music Methods	4 units
Additional units to complete teaching minor and requirements for the General Secondary Credential (listed under Education)	16 units
	<hr/> 30 units

## REQUIREMENTS FOR THE SPECIAL SECONDARY CREDENTIAL

*Lower Division—Preparation for the major*

Same as for the nonteaching major.



*Upper Division*

Music 105A-E. Instruments .....	4 units
From Music 109, 110, or 130. Voice .....	2 units
Music 131A-B. History of Music in Western Civilization .....	6 units
Music 158A-B. Music Theory and Composition .....	6 units
Music 163A. Counterpoint .....	2 units
Music 159A. Introduction to Form Analysis .....	2 units
Music 161. Choral Conducting .....	2 units
Music 162. Instrumental conducting .....	2 units
Music 166. Orchestration .....	2 units
Music electives (in field of specialization) .....	4 units
Education 193Mu, 193MuC, 193MuA or B. Methods .....	4 units
Additional units to complete the requirements for a B.A. degree and for the Special Secondary Credential (consult adviser) .....	28 units
	<hr/> 64 units

NOTE: Two semesters of directed teaching for the special secondary: one on elementary and one on secondary level. See Division of Education, p. 76, for requirements in addition to those of the major.

**REQUIREMENTS FOR THE TEACHING MINOR**

(22 units, at least 12 in upper division)

*Lower Division—Preparation for the minor*

Same as for nonteaching minor.

*Upper Division*

From Music 154, 132, 167, 172 or 173 .....	4 units
Music 161 or 162. Conducting .....	2 units
From Music 112, 148 or 174. Piano .....	2 units
From Music 105, 109, 110 or 130. Instruments or Voice .....	2 units
From Education 193Mu, MuA, MuB or MuC. Methods .....	2 units
Four semesters participation in choir, orchestra or band .....	
	<hr/> 12 units

**PLAN II—REQUIREMENTS FOR THE NONTEACHING MUSIC MAJOR***Lower Division—Preparation for the major*

Solfege .....	4 units
Harmony .....	6 units
Piano (1 unit per semester) .....	4 units
Voice (1 unit per semester) .....	2 units
Music history and appreciation .....	4 units
Additional units to complete lower division requirements (see General Requirements, p. 30) .....	40 units
	<hr/> 60 units

No grade below "C" in lower division work will be accepted for the major.

*Upper Division*

Music 131A-B. History of Music in Western Civilization .....	6 units
Music 158A-B. Music Theory and Composition .....	6 units
From Music 132, 167, 172 or 173 .....	4 units
Music 166 or 160A-B. Orchestration .....	2-4 units
Music 159A. Introduction to Form Analysis .....	2 units
Applied (piano, voice, orchestral instruments) .....	4 units
Music 161 and 162. Conducting .....	4 units
Music 163A. Counterpoint .....	2 units
Music electives (in field of specialization) .....	4-6 units
Additional units to complete the requirements for the minor and for graduation (see General Requirements, p. 30) .....	26-30 units
	<hr/> 64 units

## REQUIREMENTS FOR THE NONTEACHING MINOR

(20 units, at least 10 in upper division)

<i>Lower Division—Preparation for the minor</i>		
Music 1 and 2.....	4 units	
Music 5 and 6.....	6 units	
<i>Upper Division</i>		
From Music 154, 132, 167, 172 or 173.....	4 units	
Applied music (instrument, voice or piano classes).....	2 units	
Two semesters participation in choir, orchestra or band.....	4 units	
Additional courses (see adviser).....	4 units	
		10 units

## COURSES OF INSTRUCTION

101. **Double Mixed Quartet (1) I, II**  
Prerequisite: Permission of instructor.
- 103A. **Basic Music Theory (2) I, II**  
Notation key signatures, chord building, and sight singing.
- 103B. **Elementary School Music (3) I, II**  
Prerequisite: Upper division status and Music 103A or lower division music fundamental or permission by examination. Elementary school music methods of teaching singing, rhythmic, creative and listening activities, and the use of simple instruments in the integrated program.
- 105A-B. **Stringed Instruments (1-1) Year course**  
Instruction in violin, viola, cello, and string bass. Problems of tone production, right- and left-hand technique, knowledge of fingerings. Participation in beginning orchestra.
- 105C. **Brass Instruments (1) I, II**  
Class instruction in brass instruments. Correct embouchure, tone production, and execution. Knowledge of fingerings on all brass instruments. Participation in beginning band or orchestra.
- 105D. **Woodwind Instruments (1) I, II**  
Class instruction in woodwind instruments. Correct embouchure, tone production, and execution. Knowledge of fingerings on all woodwind instruments. Participation in beginning band or orchestra.
- 105E. **Percussion Instruments (1) I, II**  
Essential rudiments for snare drum. Tuning and technique in tympani playing. Introduction to other essential percussion instruments. Participation in beginning band or orchestra.
- 106A-B-C-D. **Brass Ensemble (1-1) I, II**  
Prerequisite: Permission of instructor. For advanced students. Rehearsal and performance of standard brass ensemble literature, including brass choir, sextets, quintets, and quartets.
- 107A-B-C-D. **Woodwind Ensemble (1-1) I, II**  
Prerequisite: Permission of instructor. For advanced students. Rehearsal and performance of standard woodwind ensemble literature, including woodwind choir, sextets, quintets, and quartets.
- 108A-B-C-D. **String Ensemble (1-1) I, II**  
Prerequisite: Permission of instructor. For advanced students. Rehearsal and performance of standard string ensemble literature, including string orchestra, quartets, and trios, etc. (Formerly Music 127A-B.)
- 109A-B. **Elements of Vocal Technique (1-1) Year course**  
Prerequisite: Ability to read music notation or 103A (may be taken concurrently). The technique of voice production and study of song interpretation.



**110A-B. Intermediate Voice (1-1) Year course**

Prerequisite: Ability to read music notation or 103A (may be taken concurrently). Class instruction in voice problems and repertory of intermediate grade.

**112A-B-C-D. Class Piano Instruction (1-1-1-1) Two-year course**

Problems of piano technique, sight reading, and repertory. Introduction to keyboard harmony.

**113. Elements of Harmony for Teachers (2) II**

Prerequisite: Music 103A, or 112A, or qualifying examination. A study of the elements of harmony applied to singing and the keyboard. Designed to assist classroom teachers in teaching music and creating simple piano accompaniments. (Formerly 113A-B.)

**114. Class Piano for Music Education Majors (1) I, II**

Prerequisite: Music 112C or Music 34C and upper division status. The practical application of harmonic principles to develop the keyboard facility demanded in the public schools; transposition, choral score reading, sight reading, improvisation of accompaniments and directing from the piano.

**115A-B-C-D. Band (1-1-1-1) I, II****116A-B-C-D. Individual Lessons in Instrumental Music or Voice (1-1-1-1) I, II**

On-campus, private lessons with approved instructors. Special fee. (Formerly 120.)

**119A-B. Review of Harmony and Ear Training (2-2) Year course**

Prerequisite: Elementary harmony and ear training. Review of diatonic harmony and elements of music writing. Melodic and harmonic dictation. Does not count toward music major requirements. (Formerly 119A-B Intermediate Harmony, Ear Training and Sight Singing.)

**123. Appreciation Materials for Schools (2) II**

Materials and methods for conducting listening activities and teaching music appreciation. Secondary and elementary level. (Formerly 123 Music Appreciation Materials for Public School Use.)

**124. Piano Methods and Materials (2) II**

Modern practical procedures in teaching piano from preschool child to adult level. Methods and materials for public school class and private teaching. (Formerly Music 176.)

**125. Junior High School Music Methods (2) I**

Prerequisite: Upper division status. Methods and materials for junior high level. Consideration of problems of changing voice, voice testing, and part-singing. Evaluation of materials for vocal, instrumental and listening activities. The general music class.

**126. Kindergarten-Primary Music (2) I, II**

Prerequisites: Basic music theory 103A or examination and upper division status. Methods of teaching singing, rhythmic, creative and listening activities and the use of simple instruments in the integrated program of the kindergarten and primary grades. Two one-hour lectures and two one-hour piano classes (piano class may be excused by qualifying examination.)

**127A-B-C-D. Advanced Strings (1-1-1-1)**

Class instruction in technique and repertoire for advanced students of violin and viola. Prerequisite: Consent of instructor.

**129A-B-C-D. Advanced Brass (1-1-1-1)**

Class instruction in technique and repertoire for advanced students of brass instruments. Prerequisite: Consent of instructor.

**130A-B-C-D. Advanced Voice (1-1-1-1) I, II**

Prerequisite: Permission of instructor. Performance of art song, opera, and oratorio literature and the problems involved. (Formerly 130B.)

- 131A-B. **History of Music in Western Civilization (3-3) I, II**  
 An advanced course considering music in general culture; stylistic development of music with emphasis on its relationship to the history of the other arts. A: Medieval through Baroque; B: Pre-classical to modern.
- 132A. **Italian and French Operatic Literature (2) I**  
 Brief history of development of opera through seventeenth and eighteenth centuries. A detailed analysis, using scores and recordings, of three representative operas chosen from standard operatic repertoire. (Formerly 132A History of Opera and Italian Opera.)
- 132B. **German and Modern Opera (2) II**  
 Operatic innovations of late nineteenth and twentieth centuries. A detailed analysis using scores and recordings, of several examples of German and modern operas chosen from the standard operatic repertoire. (Formerly 132B French and German Opera.)
- 135A-B-C-D. **Orchestra (1-1) I, II**
138. **Music Laboratory (1) II**  
 Care and repair of band and orchestral instruments demonstrated. Elements of piano tuning discussed. Field trips to repair shops and manufacturing concerns.
142. **Beginning Orchestra (1-1) I, II**
- 148A-B-C-D. **Intermediate Piano (1-1-1-1) I, II**  
 Technical study and performance of some of the smaller compositions in the standard piano literature.
154. **Music Appreciation for Teachers (2) I, II**  
 Prerequisite: Upper division status. A nontechnical course to acquaint the student with some of the most important music forms, periods, composers and compositions. Not open to music majors.
- 155A-B-C-D. **A Cappella Choir (1-1) I, II**  
 Study and performance of standard choral works.
- 158A-B. **Music Theory and Composition (3-3) Year course**  
 Prerequisite: One year of harmony and some ability to play the piano. A review of diatonic harmony; study of chromatic harmony; melodic and harmonic dictation; chromatic alteration; practical application to composition in elementary forms.
- 159A. **Introduction to the Analysis of Form (2) I**  
 The elements of form in homophonic music.
- 159B. **Advanced Formal Analysis (2) II**  
 Prerequisite: Music 159A. Analysis of form in polyphonic and larger homophonic musical forms.
- 160A-B. **Orchestration and Arranging (2-2) Year course**  
 The theory and practice of writing for instrumental ensembles. The study of orchestral scores and an introduction to symphonic orchestration.
161. **Choral Conducting (2) I, II**  
 Principles of choral conducting; problems of choral organization. (Formerly 161A-B year course.)
162. **Instrumental Conducting (2) I, II**  
 Prerequisite: Music 105A, C, D, E. Music 161. Transposition, score reading, baton technique, interpretation of standard orchestral repertoire.
- 163A. **Counterpoint (2) I, II**  
 Prerequisite: Music 6. A study of 18th century counterpoint in the various species and through four-part writing. Introduction to linear counterpoint.



**163B. Advanced Counterpoint (2) I, II**

Prerequisite: Music 163A or qualifying examination. Invertible counterpoint; motive development. Two- and three-part inventions.

**164. Canon and Fugue (2) I**

Prerequisite: Music 163B or qualifying examination. Strict canonic writing from rounds through the four-part double canon; simple fugues through the double and triple fugue. Study and analysis of scores.

**166. Orchestration (2) I, II**

A one-semester course dealing with principles and practice in arranging for instruments in various combinations and for full orchestra and band. Designed for students who are able to take only one semester of orchestration.

**167A. History and Literature of the Symphony Orchestra (2) I**

Masterpieces of symphonic literature. Classic, romantic and contemporary tendencies in developments of form; study of scores and recordings. (Formerly 167A-B.)

**168A-B. Composition (2-2) I, II**

Prerequisite: Music 158B. Composition in small and large forms with parallel analysis.

**169. Harmonic Analysis (2) I**

Prerequisite: Music 158A-B (may be taken concurrently). Analysis, by scores, recordings and performance; classification and practical application of the harmonic procedures of Mozart, Beethoven, Brahms and Wagner. (Formerly 169A-B year course.)

**171A-B-C-D. Opera Workshop (1-1-1-1) I, II**

Problems of opera production; presentation of typical operatic ensembles and scenes. Open to qualified singers. (Formerly 171A-B.)

**172A. Piano History and Literature (2) II**

Survey of prepiano and piano literature; changes in keyboard technique and style. Representative piano literature performed and analyzed.

**172C. Contemporary Techniques (2) II**

Prerequisite: 168A (may be taken concurrently). Study of the techniques used in contemporary composition and application to practical writing.

**172D. American Music (2) I**

American music from colonial times to the present; brief survey of Latin American music.

**173A. Art Song (2) I**

Study of representative art-song literature of the 19th and 20th centuries; from scores and recordings.

**173B. History and Literature of the Larger Choral Works (2) II**

Study of typical oratorios, masses, and other large choral works by means of scores and recordings.

**174A-B-C-D. Advanced Piano (1-1-1-1) I, II**

Prerequisite: Permission of instructor. Advanced repertory and interpretive coaching for public performance, with consideration of materials selected from the different periods of musical composition. (Formerly 174A-B (2-2).)

**175A-B-C-D. Piano Ensemble (1-1-1-1) I, II**

Prerequisite: Permission of instructor. (Formerly 175A-B (1-1).)

**177. Advanced Choral Conducting (2) I**

Prerequisite: Music 161, 162.

**178. Advanced Instrumental Conducting (2) II**

Prerequisite: Music 161, 162.

## 179. Senior Recital Preparation (1) I, II

For woodwind, brass and string instrumentalists. Instruction in advanced technical problems, style, repertoire and performance experience.

*Related Courses in Music Methods*

Educ. 193Mu. General Methods of Teaching Music in the Secondary Schools (2)

Educ. 193MuA. Instrumental Methods and Materials for Secondary Schools (2)

Prerequisite: Music 161A.

Educ. 193MuB. Choral Methods and Materials for Secondary Schools (2)

Prerequisite: Music 161A.

Educ. 193MuC. Elementary Music Methods for Special Secondary Credential Candidates (2)

Prerequisite: Music 105A, C, D, E.

## GRADUATE COURSES

208A-B. Advanced Composition and Analysis (2-2) Year course

Prerequisite: 168A-B or equivalent. Free composition in all the vocal and instrumental forms.

209A-B. Advanced Orchestration and Arranging (2-2) Year course

Prerequisite: 160A-B or equivalent. Specialized work in arranging for ensembles including the symphonic band and standard symphony orchestra.

212. Music of the Baroque Period (2) I

Prerequisite: 131A-B. Styles, forms, composers and compositions from the early Baroque through the works of J. S. Bach.

213. Music of the Classical and Pre-classical Period (2) II

Prerequisite: 131A-B. Styles, forms, composers and compositions of pre-classical and classical masters of the 18th century.

214. Music of the Romantic Period (2) Not given 1951-52

Prerequisite: 131A-B. From the dawning of the romantic period to the late 19th century; symphony, romantic opera, art-song, tone-poem. (Formerly Music 211.)

215. Music of the 20th Century (2) I

Prerequisite: 131A-B. Contemporary trends and techniques; representative works by Debussy, Ravel, Stravinsky, Hindemith, Bartok, Schoenberg, and others.

216A-B-C-D. Individual Lessons in Instrumental Music or Voice (1-1-1-1) I, II

On-campus, private lessons with approved instructors. Special fee. (Formerly 220.)



## DIVISION OF LANGUAGE AND LITERATURE

Clarence K. Sandelin, M.A., Chairman of the Division of Language and Literature

### ENGLISH AND MODERN LANGUAGES

Clarence K. Sandelin, M.A., Associate Professor of English  
Florence Bonhard, Ph.D., Associate Professor of Modern Languages  
Alfred Ehrhardt, Ed.D., Associate Professor of English (Department Head)  
Daniel Amneus, M.A., Assistant Professor of English  
Ann Greer, M.A., Assistant Professor of English  
Sterling Kincaid, Ph.D., Assistant Professor of English  
Thomas McGrath, M.A., Assistant Professor of English  
Frederic Shroyer, M.A., Assistant Professor of English

### JOURNALISM AND LANGUAGE ARTS

Paul Scott, M.A., Associate Professor of Journalism

### SPEECH

Morris Val Jones, Ph.D., Assistant Professor of Speech

### DRAMA

Louis Gardemal, Ph.D., Assistant Professor of Television and Drama

### GENERAL INFORMATION

The Division of Language and Literature offers courses and programs of study on the upper division and graduate level only. Students must have reached junior standing and must have met specific course prerequisites to become eligible for enrollment. Lower division preparation of recognized academic character in a junior college such as Los Angeles City College, or a regular college or university, is relied upon for much of the necessary broad background in general education, and at least partial satisfaction of state requirements for the Bachelor of Arts degree. Students currently engaged in other institutions in freshman and sophomore programs who intend to transfer to Los Angeles State College in the Division of Language and Literature are advised to follow the lower division requirements announced in this bulletin.

Student advisement is an essential aspect of the major and minor programs conducted on this campus. Students entering upon any course of study offered within the Division of Language and Literature are assigned to a faculty adviser. Students are strongly urged to seek the guidance and the assistance of the faculty adviser in all matters relating to professional and cultural programs they have undertaken.

Students interested in vocational objectives at college are urged to consider the work-study opportunities available within certain departments.

The several departments within the division with their programs of study and course offerings are arranged alphabetically below. The majors fall into three patterns which are designated as Plan I, the teaching major, Plan II, the vocational major, and Plan III, the liberal arts major.

## DRAMA

### AIMS

Los Angeles State College of Applied Arts and Sciences seeks to prepare students for careers in the teaching profession, for careers in science, commerce and industry, and for intelligent and responsible citizenship. These general aims are implemented by drama offerings in three main areas.

### AREAS

#### *Plan I Teaching Major (Language Arts Major with Concentration in Drama)*

No teaching major is offered in the field of drama exclusively. Students interested in a composite-field teaching major which includes drama should refer to page 144, where the Language Arts Major is described.

Major Adviser for Plan I Language Arts: Mr. Shroyer

Minor Adviser for Plan I Language Arts: Mr. Shroyer

#### *Plan II Vocational Major in Drama*

Designed for students who plan to engage in professional drama on the stage, screen, television, or in professional careers based on dramatic skills.

Major Adviser for Plan II Drama: Dr. Gardemal

Minor Adviser for Plan II Drama: Dr. Gardemal

#### *Plan III Liberal Arts Major in Drama*

Designed for students who elect to study the liberal arts tradition with an emphasis on drama.

Major Adviser for Plan III Drama: Dr. Gardemal

Minor Adviser for Plan III Drama: Dr. Gardemal

### MAJOR PROGRAMS

Course numbers listed in connection with the lower division requirements outlined below refer to the Los Angeles City College courses, descriptions of which should be used when equivalents must be determined. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 16 units of lower division drama may be counted in any major program. No grade below "C" in lower division will be accepted as part of the major or minor.

#### *Plan I Teaching Major*

See composite field major in Language Arts, p. 113.

#### *Plan II Vocational Major in Drama*

##### *Lower Division—Preparation for the major*

Acting Fundamentals (Drama 60AB) ----- 6 units

Theater Crafts (Drama 80 and 81) ----- 6 units

##### *Recommended General Education Courses*

Freshman Composition (English 1 and 2) ----- 6 units

Basic Voice Training (Speech 3) ----- 3 units

Additional units needed to meet requirements for upper division standing (see General Requirements, p. 30) ----- 39 units

60 units

##### *Upper Division*

Drama 100—History of the Theater ----- 3 units

Drama 101—Advanced Television Techniques ----- 3 units

Drama 110AB—Advanced Acting ----- 6 units

Drama 160AB—Principles of Directing ----- 6 units

From Drama 102, 134, 175, 176, 196 ----- 6 units

Language Arts 197 ----- 2 units

Additional courses to meet the requirements for the B.A. degree (see General Requirements, p. 30) ----- 38 units

64 units



*Recommended Electives in Related Fields*

- English 106E—Dramatic Writing (2 or 4)  
 English 117J—Interpreting Shakespeare (3)  
 English 182—Modern European Drama (3)  
 English 185AB—Literary Criticism (2-2)  
 Language Arts 164—Motion Picture and Television (2)  
 Speech 130—Advanced Voice and Diction (2)

*Plan III Liberal Arts Major in Drama*

Requirements identical with those for Plan II just preceding.

**MINOR PROGRAMS**

No teaching minor is offered in the field of drama exclusively. See the Language Arts minor.

**Vocational Minor in Drama***Lower Division—Preparation for the Minor*

Acting Fundamentals (Drama 60AB) ----- 6 units

*Upper Division*

Drama 101—Advanced Television Techniques ----- 3 units

From Drama 110, 160, 175, 176, 196 ----- 6 units

**Liberal Arts Minor in Drama***Lower Division—Preparation for the Minor*

Acting Fundamentals (Drama 60AB) ----- 6 units

Freshman Composition (English 1 and 2) ----- 6 units

*Upper Division*

Drama 100—History of the Theater ----- 3 units

From Drama 101, 110, 160, 196 ----- 6 units

**COURSES OF INSTRUCTION****100. History of the Theater (3) I**

Prerequisite: Completion of all lower division drama requirements or upper division standing. Dramatic literature from the Greek period to the present. Selected critical readings about the theater and drama.

**101. Advanced Television Techniques (3) I, II**

Prerequisite: Junior standing and consent of the instructor. A survey of current trends in television programming and production. Occupational opportunities in commercial and educational television. Lectures and demonstrations with class participation. Open to graduate students for credit.

**102. Advanced Technical Production (3) I, II**

Prerequisite: Completion of all lower division drama requirements, or consent of the instructor. Advanced shop and staging techniques for stage, screen, and television. Students may be designated to serve on studio or stage crews in college sponsored productions.

**110A-B. Advanced Acting (3-3) 110A—I; 110B—II**

Prerequisite: Completion of all lower division drama requirements, or consent of instructor. Intensive study of gesture, movement, timing, and pointing; problems of characterization. Attention given to styles of acting and to limitations imposed by various dramatic media. Class will present scenes from plays of various types. Students may be designated to participate in college sponsored productions. Open to graduate students for credit.

134. **Set Lighting (2)** Offered in spring of even numbered years  
 Prerequisite: Completion of all lower division drama requirements, or consent of the instructor. Lectures and practice in design and execution of lighting plots. Problems in lighting design, applied color, and special effects. Students may be designated to serve on studio or stage crews in college sponsored productions.
- 160A-B. **Principles of Direction (3-3)** 160A—I; 160B—II  
 Prerequisite: Completion of all lower division drama requirements, or consent of the instructor. Lectures and practice in problems of stage and television direction. Students may be designated to participate in the direction of college sponsored productions. Open to graduate students for credit.
163. **Speech and Dramatic Activities in Elementary Schools (3)** I, II  
 Prerequisite: Upper division or graduate standing. Theory and techniques of creative dramatics, puppetry, cutout shadow plays, choral reading, and creative dance. Designed primarily for kindergarten, primary, and elementary teachers. Also valuable to leaders in extracurricular activity.
164. **Play Production in Schools and Community Theaters (2)** I, II  
 Prerequisite: Upper division or graduate standing. Theory and techniques of dramatic production in secondary schools, junior colleges, and community theaters. Open to graduate students for credit.
175. **Techniques for Education by Television (2)** I  
 Prerequisite: Drama 101. A survey of the techniques which may be employed in presenting educational opportunities to the public through the medium of television. Planning and preparation of the educational television program. Open to graduate students for credit.
176. **Television in Public Service (2)** II  
 Prerequisite: Drama 101. A survey of the techniques which may be employed in presenting the public service television program. Open to graduate students for credit.
- 196A-B-C-D. **Special Projects in Television and Drama (3-3-3-3)**  
 Prerequisite: Completion of at least six units of college level work in drama, in creative or commercial writing, in radio, in television, in photography; or six months of professional experience in one of these fields; and consent of the instructor. Participation under faculty supervision in the planning, preparation, and production of college sponsored drama, television, or public service programs. Open to graduate students for credit.
- 198A-B-C-D. **Field Assignment and Reports (1-4)** I, II  
 Prerequisite: Favorable review of student application for entry into work-study program by his major adviser and by a coordinator in the work-study program, and opportunity for placement in appropriate vocational field. Student conference with supervising faculty member every two weeks, coupled with periodic on-the-job interviews.
199. **Directed Individual Studies (1-3)** I, II  
 Prerequisite: Offered only on petition demonstrating that a degree or credential cannot be earned through regular course offerings. Petition must contain a digest of work already completed, of work proposed, and show how 199 is essential to this program of study. Student may enroll only if a faculty member is free to supervise this work.



## ENGLISH

### AIMS

Los Angeles State College of Applied Arts and Sciences seeks to prepare students for careers in the teaching profession, for careers in science, commerce and industry, and for intelligent and responsible citizenship. These general aims are implemented by English offerings in three main areas.

### AREAS

#### *Plan I Teaching Major in English*

Designed primarily for students training to become secondary school teachers, but also providing foundations for those students who elect to do additional graduate work for the junior college credential and the Master of Arts degree.

Major Adviser for Plan I English: Miss Greer

Minor Adviser for Plan I English: Dr. Ehrhardt

#### *Plan II Vocational Major in English*

Designed for students who plan to engage in professional writing careers in the creative and commercial fiction fields, advertising, and technical reporting.

Major Adviser for Plan II English: Mr. Shroyer

Minor Adviser for Plan II English: Mr. McGrath

#### *Plan III Liberal Arts Major in English*

Designed for students who elect to study the liberal arts tradition with an emphasis on English.

Major Adviser for Plan III English: Dr. Kincaid

Minor Adviser for Plan III English: Mr. Amneus

#### *English Fundamentals Program*

Designed for students who require special training in grammar, spelling, and composition to qualify for careers in their chosen fields. Work in this program does not lead to a major or minor.

Adviser: Mr. Smedley

### MAJOR PROGRAMS

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 12 units of lower division English may be counted in any major program. No grade below C in lower division will be accepted as part of the major or minor.

#### *Plan I Teaching Major in English*

*Lower Division*—Preparation for the major

Survey of English Literature (English 9 and 10) ----- 6 units

#### *Recommended General Education Courses*

Freshman Composition (English 1 and 2) ----- 6 units

History of England (History 3 and 4) ----- 6 units

Basic Voice Training (Speech 3) or Public Speaking (Speech 7) ----- 3 units

Additional units needed to meet the requirements for upper division standing (See General Requirements) ----- 39 units

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60 units

*Upper Division*

From English 100, 104, or 106L.....	2 units
English 117J and 3 units, from 121, 123, 180A, 180B.....	6 units
From English 140 through 164.....	6 units
From English 170 through 179.....	6 units
From Drama 164 or Journalism 164.....	2 units
From Speech 110, 120, 130.....	2 units
Language Arts 197—Senior Survey.....	2 units
Additional courses to meet the requirements for the B.A. degree (See General and Credential Requirements).....	38 units
	<hr/> 64 units

*Graduate Program*

From English 200 through 226 or from upper division English courses marked "Open to graduate students for credit," provided all such work is completed in full graduate status and at least 3 units are earned in courses numbered 200 or above.....	6 units
Additional courses taken in graduate status to meet requirements for the general secondary credential.....	24 units
The Plan I program thus far described qualifies a student for the Bachelor of Arts degree and the general secondary credential.	

*Plan II Vocational Major in English**Lower Division*—Preparation for the major

From lower division courses in writing such as Drama 42, English 25A or 25B, Journalism 1 or 2, Radio 81A or 81B.....	3 units
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*Recommended General Education Courses*

Freshman Composition (English 1 and 2).....	6 units
Additional units needed to meet the requirements for upper division standing (See General Requirements).....	51 units
	<hr/> 60 units

*Upper Division*

English 100.....	2 units
From English 106 series, English 198 or Journalism 145.....	7 units
English 117J, and 6 units from 121, 123, 180A, 180B, 181A, 181B, 182, 185A or 185B.....	9 units
From English 140 through 160.....	6 units
From English 170 through 179.....	6 units
Language Arts 197—Senior Survey.....	2 units
Additional courses to meet the requirements for the B.A. Degree (See General Requirements).....	32 units
	<hr/> 64 units

*Recommended Electives in Related Fields*

Drama 100—History of the Theater (3)	
English 206—Proseminar: Writing Problems (3)	
Journalism 150—Contemporary Editorial Problems (3)	
Journalism 190—The Press and World Affairs (2)	
Language Arts 164—Motion Picture and TV (2)	
Drama 101—Advanced Television Techniques (3)	
Television 175—Techniques for Education by Television (2)	
The Plan II program thus far described is primarily designed to qualify students for writing vocations. But writing is not a skill divorced from content and literary precedent. Therefore 23 units of standard literature courses are included in the program. While only 7 units of writing are prescribed in the upper division, students may elect additional writing courses suited to their interests and capacities.	

*Plan III—Liberal Arts Major in English**Lower Division*—Preparation for the major

Survey of English Literature (English 9 and 10).....	6 units
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*Recommended General Education Courses*

Freshman Composition (English 1 and 2)-----	6 units
History of England (History 3 and 4)-----	6 units
Additional units needed to meet the requirements for upper division standing (See General Requirements)-----	42 units
	<hr/>
	60 units

*Recommended Electives in Related Fields*

Basic Voice Training (Speech 3), or Elements of Public Speaking (Speech 7 and 8)  
 Elementary and Intermediate French or German (French 1, 2, 3, 4 or German 1, 2, 3, 4). Especially useful to students planning to do advanced graduate work at the university level. Many universities require proficiency in *both* French and German.

*Upper Division*

From English 100 through 106-----	2 units
English 117J and 6 units from English 121, 123, 180A, 180B, 181A, 181B, 182, 185A, or 185B-----	9 units
From English 140 through 164 (preferably including English 142 and English 152)-----	12 units
From English 170 through 179 (one course prior to 1860, one course subsequent to 1860)-----	6 units

*Recommended General Education Courses*

Language Arts 197—Senior Survey-----	2 units
Additional courses to meet the requirements for the B.A. degree (See General Requirements)-----	33 units
	<hr/>
	64 units

*Recommended Electives in Related Fields*

Drama 100—History of the Theater (3)  
 French 101AB—Composition and Conversation (3-3)  
 Journalism 190—The Press and World Affairs (2)  
 Speech 120—Theories and Techniques of Oral Interpretation (2)  
 Drama 101—Advanced Television Techniques (3)

**MINOR PROGRAMS**

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements.

*Teaching Minor**Lower Division*—Preparation for the minor

Survey of English Literature (English 9 and 10)-----	6 units
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*Recommended General Education Courses*

Freshman Composition (English 1 and 2)-----	6 units
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*Upper Division*

English 100, 104, or 106L-----	2 units
From English 117J, 121, 122, 123, 124-----	6 units
From English 170AB or English 180AB-----	6 units
	<hr/>
	26 units

*Liberal Arts Minor**Lower Division*—Preparation for the minor

Survey of English Literature (English 9 and 10)-----	6 units
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*Recommended General Education Courses*

Freshman Composition (English 1 and 2)-----	6 units
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*Upper Division*

From English 100, 106, 117J, 142 through 164, 170 through 179, 180 through 189-----	6 units
	<hr/> 18 units

## COURSES OF INSTRUCTION

Graduate students may enroll only in those English courses in the 100-199 series marked "Open to Graduate Students for Credit," and in courses numbered 200 and above. To enroll for credit in any other English course the graduate student must obtain written approval from the course instructor and the division chairman.

99. **English Laboratory (2) I, II**
100. **History and Philosophy of the English Language (2) I**  
Development of the English language as an instrument of social communication.
103. **Semantics (2) I**  
History and contemporary importance of the study of meaning. Application of semantic principles to various professional fields.
104. **Grammar Review for Teachers (2) I, II**  
Practical review of the more recurrent problems in English grammar from the teacher's point of view. Emphasis on current grammar usage and on contemporary classroom methods. Historical development and regional variations briefly considered.
- 106A. **Technical Writing and Professional Reports (2 or 4) II**  
Practical work designed for students planning careers in science, commerce, industry, and the professions. Emphasis on techniques for writing, editing, and publishing scientific and professional reports in the field of the student's individual interest. Normal registration is for 2 units, but with consent of instructor student may register for 4 units.
- 106B. **Verse Writing (2 or 4) II**  
Prerequisite: Consent of the instructor. Principles and techniques of verse writing applied to actual composition of student poems. Normal registration is for 2 units, but with the consent of the instructor student may register for 4 units.
- 106C. **Short Story Writing (2 or 4) I, II**  
Principles and techniques of short fiction applied to the actual composition of from 10,000 to 20,000 words of completed manuscripts. Normal registration is for 2 units, but with consent of the instructor student may register for 4 units.
- 106H. **Dramatic Writing (2 or 4) I**  
Prerequisite: Consent of the instructor. Principles and techniques of writing advertising copy, narration, and dramatic scripts applied to the actual composition of from 10,000 to 20,000 words of completed work. Primary emphasis on television, but students interested and qualified may work in other dramatic forms. Normal registration is for 2 units, but with consent of instructor student may register for 4 units.
- 106L. **Composition for Teachers (2) I**  
Practical review of the more recurrent problems in secondary school composition. Emphasis on contemporary classroom methods.

## INTERPRETATION COURSES

These courses propose to develop criteria for the selection, analysis, evaluation, and enjoyment of literature. Practice offered in explication of theme, analysis of structure and language, appreciation of tone and mood, and in correlation of a literary work with its own age and contemporary life. Psychology 113 recommended (but not required) as a concurrent course. Upper division standing is prerequisite to all interpretation courses.



## 117J. Interpreting Shakespeare (3) I, II

Richard III, Romeo and Juliet, 1 Henry IV, Julius Caesar, As You Like It, Hamlet, Othello, Troilus and Cressida, Lear, Macbeth, Antony and Cleopatra, Tempest. Special emphasis given Richard III, As You Like It, and Macbeth.

## 121. Interpreting Fiction (3) I

Tale of Two Cities, Treasure Island, Huckleberry Finn, Drums, Of Mice and Men, Shadows on the Rock, Babbitt, and representative short stories.

## 123. Interpreting Poetry (3) II

Intensive study of poems representative of those commonly included in secondary school and college courses.

## 128. Interpreting Children's Literature (3) I, II

Prerequisite: Upper division status and Education 102, Psychology 112, or consent of the instructor. Intensive study of literature representative of that commonly included in elementary school courses. Equal emphasis given to developing artistic appreciation and to demonstrating the function of literature in child development.

## ENGLISH LITERATURE COURSES

These courses emphasize the artistic achievement and subsequent influence of representative authors in successive ages throughout England's literary history. Consideration given to the ethical, social, and artistic values of each age and their surviving influence on the present. Completion of a 6-unit survey of English literature, or consent of adviser, is prerequisite to all English literature courses.

## 142. The Age of Chaucer (3) I

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit.

## 146. The Age of Elizabeth (3) I

Renaissance literature exclusive of drama.

## 152. The Age of Milton (3) II

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit.

## 156. The Age of Dryden, Pope, and Johnson (3) II

## 158. The Romantic Age (3) I

## 160. The Victorian Age (3) II

## 164. The Twentieth Century (3)

## AMERICAN LITERATURE COURSES

These courses emphasize the artistic achievement and subsequent influence of representative authors in successive periods in the literary history of the United States. Consideration given to the ethical, social, and artistic values of each age and their surviving influence on the present. Completion of a 6-unit survey of English literature, or consent of adviser, is prerequisite to all American literature courses except 170A-B.

## 170A-B. Masters of American Literature (3-3) Year course

First semester covers 1620-1860; second semester covers 1860-1950.

## 173. New England Renaissance (3) II

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Emerson, Hawthorne, and Melville as literary spokesmen for romanticism.

## 174. American Realists (3) I

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Twain, James, and Adams as literary spokesmen for realism.

## 177. Major American Novelists (2) II

## COMPARATIVE LITERATURE COURSES

Completion of a 6-unit survey of English literature, or consent of adviser, is prerequisite to all comparative literature courses except 180A-B.

## 180A-B. Literature and the Fine Arts (3-3) Year course

Masterpieces of world literature studied in relation to cultural movements in thought and art, including music, drama, architecture, painting, sculpture, philosophy, and religion. First semester develops Oriental and Classical Heritage; second semester develops Western Heritage.

## 181A-B. Contemporary World Literature (3-3) Year course

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Readings in twentieth century literature representative of directions in contemporary thought; pursuit of values in the philosophical, psychological and experimental novel.

## 182. Modern European Drama (3) I

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Comparative study of representative plays from Ibsen to the present with emphasis on the reading of European drama in translation.

## 185A-B. Literary Criticism (2-2) Year course

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. First semester covers Plato to Dryden; second semester covers Pope to Croce.

## SPECIAL UNDERGRADUATE COURSES

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Favorable review of student application for entry into work-study program by major adviser, division chairman, and work-study coordinator. Student conference with supervising faculty member every two weeks, coupled with periodic on-the-job interviews.

## 199. Directed Individual Studies (1-3) I, II

Prerequisite: Offered only on petition demonstrating that a degree or credential cannot be earned through regular course work. Petition must contain a digest of work already completed, of work proposed, and show how 199 is essential to this program of study. Students may enroll only if a faculty member is free to supervise the work. Open to graduate students for credit.

## GRADUATE COURSES

## 200. Bibliography and Research (2) I

Students may be required to use off-campus libraries to supplement college facilities.

## 222. Proseminar: Shakespeare and the Renaissance (3)

## 224. Proseminar: Problems in Victorian Literature (3)

## 226. Proseminar: Problems in American Literature (3)



# JOURNALISM

## AIMS

Los Angeles State College of Applied Arts and Sciences seeks to prepare students for careers in the teaching profession, for careers in science, commerce and industry, and for intelligent and responsible citizenship. These general aims are implemented by journalism offerings in three main areas.

## AREAS

### *Plan I—(Language Arts Teaching Major With Concentration in Journalism)*

No teaching major is offered in the field of journalism exclusively. Students interested in a composite-field teaching major which includes journalism should refer to page 113, where the Language Arts Major is described.

Major Adviser for Plan I Language Arts: Mr. Shroyer  
 Minor Adviser for Plan I Language Arts: Mr. Shroyer

### *Plan II—Vocational Major in Journalism*

Designed for students who plan to engage in a professional career in journalism, public relations, or related skills.

Major Adviser for Plan II Journalism: Mr. Scott  
 Minor Adviser for Plan II Journalism: Mr. Scott

### *Plan III—Liberal Arts Major in Journalism*

Designed for students who elect to study the liberal arts tradition with emphasis on journalism.

Major Adviser for Plan III Journalism: Mr. Scott  
 Minor Adviser for Plan III Journalism: Mr. Scott

## MAJOR PROGRAMS

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 12 units of lower division journalism may be counted in any major program. No grade below C in lower division will be accepted as part of the major or minor.

### *Plan I Teaching Major*

Not offered. See composite field major in Language Arts.

### *Plan II Vocational Major in Journalism*

#### *Lower Division—Preparation for the major*

Collecting and Writing News (Journalism 1 and 2) <i>or</i>	
Freshman Composition (English 1 and 2) with grade of A	6 units
Copy and Headline Writing (Journalism 16)	3 units
Typography and Mechanics of Newspapers (Journalism 40 in lower division or Journalism 138 in upper division)	3 units

#### *Recommended General Education Courses*

Freshman Composition (English 1 and 2)	6 units
Additional units needed to meet the requirements for upper division standing. (See General Requirements, p. 30)	42 units

#### *Upper Division*

Journalism 130. News Editing	3 units
Journalism 140. History of Journalism	3 units
Journalism 150. Contemporary Editorial Problems	3 units
Journalism 171. Newspaper Advertising	3 units
Journalism 190. The Press and World Affairs	2 units
Journalism 191. Law of the Press	2 units
Journalism 196. Special Projects in Journalism	2 units
Additional courses needed to meet the requirements for the B.A. Degree. (See General Requirements, p. 30)	46 units

**64 units**

*Recommended Electives in Related Fields*

- English 100. History and Philosophy of the English Language (2)
- English 170A-B. Masters of American Literature (3-3)
- English 180A-B. Comparative Literature and Fine Arts (3-3)
- Business 104. Marketing (3)
- Journalism 170. Newspaper management (3)

*Plan III Liberal Arts Major in Journalism*

Identical in requirements with Plan II Program.

**MINOR PROGRAMS**

No teaching minor is offered in the field of journalism exclusively. See the Language Arts Teaching Minor.

*Vocational and Liberal Arts Minor*

*Lower Division*—Preparation for the minor

Journalism 1 and 2 or equivalent ----- 6 units

*Upper Division*

Journalism 140. History of Journalism ----- 3 units

Journalism 164. School Journalism ----- 2 units

Journalism 196. Special Projects in Journalism ----- 2 units

-----  
13 units

**COURSES OF INSTRUCTION**

Graduate students may enroll in any journalism course marked "open to graduate students for credit." To enroll for credit in any other undergraduate course in journalism, the graduate student must obtain written approval from the course instructor and the division chairman. Upper division standing is prerequisite to all courses in journalism except those in which *specific* lower division preparation is indicated as suitable prerequisite qualification.

Ability to use the typewriter is required of all Plan II Vocational Majors.

130. News Editing (3) I

Prerequisite: Journalism 1 and 2, or equivalent, or consent of the instructor. Techniques of copyreading and headline writing, theories of news selection and makeup, examination of newspaper editorial practices.

138. Typography and Mechanics of Newspapers (3) Not offered 1951-52

140. History of Journalism (3) I

Open to all upper division students and to sophomores who have completed Journalism 1, 2, and 16. Study of the development of journalism, particularly in the United States, with an introduction to the important papers and personalities. Development of freedom of the press with consideration of its responsibilities under law.

145. Feature Article Writing (3) II

Open to all upper division students and to sophomores who have completed Journalism 1, 2, and 16. Deals principally with the writing of articles for the Sunday feature section of the newspaper and for trade and regional magazines. All types of publications studied for the purpose of slanting.

150. Contemporary Editorial Problems (3) II

Prerequisite: Journalism 1 and 2, or equivalent, or consent of the instructor. An examination of current problems with practice in bibliographical and research methods. Special writing assignments interpreting city, county, state, and federal courts.



## 164. School Journalism (2) II

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Theory and technique of advising school newspaper and year-book staffs. Relation of staff assignments to classroom instruction. Designed for credential candidates in Education, English, and Language Arts who may supervise school publications. Practice in rating the quality of secondary yearbooks and newspapers. Open to graduate students for credit.

## 170. Newspaper Management (3) II

Analysis of the economy, organization and operation of daily and weekly newspapers. Newspaper correspondence. Printshop problems, circulation, advertising, and promotion. Newspaper analysis and community survey.

## 171. Newspaper Advertising (3) I, II

Open to all upper division students and to sophomores who have completed Journalism 1, 2, and 16. Instruction and practice in preparing newspaper promotion campaigns. Practice in the preparation of art and copy for advertising. Study of mat services. Relation of advertising to the paper as a whole.

## 190. The Press and World Affairs (2) I, II

Comparative world journalism with an examination of sources of news from various capitals. Analysis of propaganda. Comparative study of the four streams of news: local, state, national, and international. Foundations of democracy among an informed electorate.

## 191. Law of the Press (2) II

Prerequisite: Senior standing or consent of instructor. Open to graduate students for credit. Required of all majors under Plan II. Chiefly a study of the law of libel. Consideration of the right of privacy, contempt of court, freedom of the press, copyright, statutory limitations, postal regulations and the right to print news of public affairs. Privileged matter under law.

## 196A-B-C-D. Special Projects in Journalism (2-2-2-2) I, II

Prerequisite: Consent of Instructor. Recommended for members of the *College Times*. One hour class and four hours supervised activity weekly. Open to graduate students for credit to a maximum of 2 units.

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Favorable review of student application for entry into work-study program by major adviser and work-study coordinator. Student conferences with supervising faculty member every two weeks, coupled with periodic on-the-job interviews.

## 199. Directed Individual Studies (1-3) I, II

Prerequisite: Offered only on petition demonstrating that a degree or credential cannot be earned through regular course work. Petition must contain a digest of work already completed, of work proposed, and show how 199 is essential to this program of study. Students may enroll only if a faculty member is free to supervise the work. Open to graduate students for two units of credit.

## LANGUAGE ARTS

### AIMS

The composite major in Language Arts (which includes preparation in drama, composition, journalism, literature, motion picture or radio, and speech) is designed for the student training to be a secondary school teacher with a primary skill in drama, English, journalism, or speech.

The concurrent training in several language arts (in addition to the primary skill) is designed to qualify the teacher for work in broad general education programs, or for direction of such co-curricular projects as the school newspaper and annual, school plays, debate team, film library, or educational television.

### AREAS

#### *Plan I Teaching Major in Language Arts*

A core of preparation in all of the language arts is required of each major. When this core of preparation is completed, the student takes further specialized training in the field of his primary skill. Only four such fields are currently recognized as subjects commonly taught in California secondary schools. *With the approval of his major adviser*, a student elects one of these teaching specialties:

- Drama* teaching specialty in Language Arts
- English* teaching specialty in Language Arts
- Journalism* teaching specialty in Language Arts
- Speech* teaching specialty in Language Arts

#### *Plan II Vocational Major in Language Arts*

Not offered.

#### *Plan III Liberal Arts Major in Language Arts*

Not offered.

Major Adviser for Plan I Language Arts: Mr. Shroyer  
 Minor Adviser for Plan I Language Arts: Mr. Shroyer

### MAJOR PROGRAMS

Course numbers listed in connection with the lower division requirements outlined below refer to Los Angeles City College courses, descriptions of which should be used when equivalents must be determined. Terminal education courses may not be offered as equivalents for upper division requirements. No grade below C in lower division will be accepted as part of the major or minor.

#### *Plan I Teaching Major in Language Arts*

*Lower Division*—Preparation for the major

From the following courses	3 units
Social Aspects of Mass Communication (Drama 1) pre-drama	
Survey of English Literature (English 9 and 10) pre-English	
Collecting and Writing News (Journalism 1 and 2) pre-journalism	
Elements of Public Speaking (Speech 7 and 8) pre-speech	

#### *Recommended General Education Courses*

Freshman Composition (English 1 and 2)	6 units
Basic Voice Training (Speech 3)	3 units
Additional units needed to meet requirements for upper division standing (see General Requirements, p. 30)	48 units
	60 units



*Upper Division**Core of required preparation:*

From English 100, 104, or 106L .....	2 units
From English 117J, 121, 123 .....	3 units
Speech 100 .....	3 units
Drama 164. Play Production in School and Community Theater .....	2 units
Journalism 164. School Journalism .....	2 units
Language Arts 164. Motion Picture and TV .....	2 units
Speech 164. Speech in Secondary Schools .....	2 units
Language Arts 197. Language Arts and the Democratic Tradition .....	2 units

*One of the following specialty groups:**Drama Teaching Specialty*

Drama 110AB. Advanced Acting .....	6 units
Drama 160AB. Principles of Direction .....	6 units

*English Teaching Specialty*

From English 142 through 164 .....	6 units
From English 170 through 179 .....	6 units

*Journalism Teaching Specialty*

Journalism 130. News Writing .....	3 units
Journalism 140. History of Journalism .....	3 units
Journalism 171. Newspaper Advertising .....	3 units
Upper Division Journalism Electives .....	3 units

*Speech Teaching Specialty*

Speech 110. Advanced Public Speaking .....	3 units
Speech 120. Oral Interpretation .....	3 units
Speech 134. Principles and Methods of Speech Therapy .....	3 units
Upper Division Speech Electives .....	3 units
Additional courses to meet the requirements for the B.A. Degree (see General and Credential Requirements, p. 30) .....	22 units

64 units

*Graduate Program*

From courses offered within the Division of Language and Literature which are marked 200 and above, or from upper division courses marked "open to graduate students for credit," provided all such work is com- pleted in full graduate status and at least 3 units are earned in courses numbered 200 and above .....	6 units
Additional courses taken in graduate status to meet requirements for the General Secondary Credential .....	24 units

**MINOR PROGRAMS**

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements.

*Teaching Minor**Lower Division—Preparation for the minor*

From the following courses .....	3 units
Social Aspects of Mass Communication (Drama 1)	
Survey of English Literature (English 9 and 10)	
Collecting and Writing News (Journalism 1 and 2)	
Elements of Public Speaking (Speech 7 and 8)	

*Recommended General Education Courses*

Freshman Composition (English 1 and 2) .....	6 units
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*Upper Division*

Drama 164. Play Production in School and Community Theatre.....	2 units
Journalism 164 .....	2 units
Language Arts 164. Motion Picture and TV .....	2 units
Language Arts 197. Senior Survey .....	2 units
Speech 164 .....	2 units
English 100, 104, or 106L .....	2 units
From the following courses.....	6 units
Drama 196ABCD, 198	
English 117J, 121, 123, 180A, 180B, 181A, 181B, 198	
Journalism 130, 140, 150, 171, 190	
Speech 100, 110, 120, 134, 198	
Television 101, 175, 176, 198	

21 units

COURSES OF INSTRUCTION

164. Motion Picture and TV (2) I, II

Educational importance of motion picture, radio, and television in the school and home.

197. Language Arts and the Democratic Tradition (2) I, II

Prerequisite: Second semester senior standing. Required of all majors in Drama, English, Journalism, Language Arts, Modern Languages, and Speech. Comprehensive examination given in fourteenth week. Also open to senior students with majors in other fields, who may take the course without taking the comprehensive final required of majors in the language arts.

Role of the language arts in democratic life. An integrative review of the major contributions from each discipline.

220. Proseminar: Curriculum Problems in the Language Arts (3) II



## MODERN LANGUAGES

Los Angeles State College of Applied Arts and Sciences seeks to prepare students for careers in the teaching profession, for careers in science, commerce and industry, and for intelligent and responsible citizenship. These general aims are implemented by Modern Language offerings in two main areas.

### AREAS

#### *Plan I Teaching Major in Modern Languages*

Designed primarily for students training to become secondary school teachers, but also providing foundations for those students who may later elect to do additional graduate work.

Major Adviser for Plan I Modern Languages: Dr. Bonhard

Minor Adviser for Plan I Modern Languages: Dr. Bonhard

#### *Plan II Vocational Major*

No Vocational Major offered in 1951-52.

#### *Plan III Modern Language Major*

Designed for those students who desire to study foreign languages as a means for their general cultural development, or in preparation for graduate study.

Major Adviser for Plan III Modern Languages: Dr. Bonhard

Minor Adviser for Plan III Modern Languages: Dr. Bonhard

### MAJOR PROGRAMS

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 16 units of lower division language may be counted in any major program. No grade below C in lower division will be accepted as part of the major or minor. A Plan I major and a Plan III major are offered in Spanish. No major is offered in French. (Minor programs are offered in both French and Spanish. See description below.)

#### *Plan I Teaching Major in Spanish*

##### *Lower Division*—Preparation for the Spanish major

Spanish 1, 2, 3, 4 ----- 16 units

##### *Recommended General Education Courses*

Freshman Composition, English 1 and 2 ----- 6 units

Additional units needed to meet requirements for upper division standing (See General Requirements, p. 30) ----- 38 units

64 units

##### *Upper Division*

Spanish 102AB ----- 6 units

Spanish 103AB ----- 6 units

Spanish 116AB ----- 6 units

Additional courses to meet the requirements for the B.A. Degree (See General and Credential Requirements, pp. 30, 75) ----- 46 units

64 units

#### *Graduate Program*

From Spanish courses marked "Open to graduate students for credit," or Language Arts 220 ----- 6 units

#### *Plan II Vocational Major*

Vocational Major in Modern Language is not offered.

*Plan III Liberal Arts Major in Spanish*

<i>Lower Division</i> —Preparation for the Spanish major	
Spanish 1, 2, 3, 4	16 units
<i>Recommended General Education Courses</i>	
Freshman Composition, English 1 and 2	6 units
Additional units needed to meet requirements for upper division standing (See General Requirements, p. 30)	38 units
	<hr/> 60 units
<i>Upper Division</i>	
Spanish 102AB	6 units
Spanish 103AB	6 units
Spanish 116AB	6 units
Upper Division Electives in Spanish	6 units
Additional courses to meet the requirements for the B.A. Degree (See General and Credential Requirements, pp. 30, 75)	40 units
	<hr/> 64 units

**MINOR PROGRAMS**

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. A Teaching Minor and a Liberal Arts minor are offered in both *French and Spanish*.

*Teaching Minor and Liberal Arts Minor in French*

<i>Lower Division</i> —Preparation for the minor	
French 1, 2, 3, 4	12 units
(must include French 4)	
<i>Upper Division</i>	
French 101AB	6 units
French 102AB	6 units
	<hr/> 24 units

*Teaching Minor and Liberal Arts Minor in Spanish*

<i>Lower Division</i> —Preparation for the minor	
Spanish 1, 2, 3, 4	12 units
(must include Spanish 4)	
<i>Upper Division</i>	
Spanish 101AB	6 units
Spanish 102AB	6 units
	<hr/> 24 units

**COURSES OF INSTRUCTION**

**FRENCH**

- 101A-B. **Composition and Conversation (3-3)** Offered alternate years beginning Fall, 1951  
Prerequisite: French 4.
- 102A-B. **French Literature: the Middle Ages to the Twentieth Century (3-3)**  
Offered alternate years beginning Fall, 1952  
Prerequisite: French 4 or French 101A or 101B.
199. **Directed Individual Studies (1-3) I, II**  
Prerequisite: Offered only on petition demonstrating that a degree or credential cannot be earned through regular course work. Petition must contain a digest of work already completed, of work proposed, and show how 199 is essential to this program of study. Students may enroll only if a faculty member is free to supervise the work. Open to graduate students for credit.



## SPANISH

- 101A-B. **Oral and Written Composition (3-3)** Offered alternate years beginning Fall, 1952  
Prerequisite: Spanish 4.
- 102A-B. **Spanish Literature to 1800 (3-3)** Offered alternate years beginning Fall, 1951  
Prerequisite: Spanish 4 or Spanish 101A or 101B. Open to graduate students for credit.
- 103A-B. **Spanish Literature Since 1800 (3-3)** Offered alternate years beginning Fall, 1952  
Prerequisite: Spanish 4 or Spanish 101A or Spanish 101B. Open to graduate students for credit.
- 104A-B. **Survey of Spanish American Literature (3-3)** Offered alternate years beginning Fall, 1951  
Prerequisite: Spanish 4 or Spanish 101A or 101B. First semester literature to 1888. Open to graduate students for credit.
- 116A-B. **Advanced Composition and Syntax (3-3)** Offered each year.  
Prerequisite: Spanish 4 or Spanish 101A or 101B.
199. **Directed Individual Studies (1-3) I, II**  
Prerequisite: Offered only on petition demonstrating that a degree or credential cannot be earned through regular course work. Petition must contain a digest of work already completed, of work proposed, and show how 199 is essential to this program of study. Students may enroll only if a faculty member is free to supervise the work. Open to graduate students for credit.

## SPEECH

### AIMS

Los Angeles State College of Applied Arts and Sciences seeks to prepare students for careers in the teaching profession, for careers in science, commerce and industry, and for intelligent and responsible citizenship. These general aims are implemented by speech offering in three main areas.

### AREAS

#### *Plan I Teaching Major in Speech*

Designed primarily for students training to become secondary school teachers, but also providing a foundation for those students who elect to do additional graduate work.

Major Adviser for Plan I Speech : Dr. Jones

Minor Adviser for Plan I Speech : Dr. Jones

#### *Plan II Vocational Major in Speech*

Designed for students who plan to engage in speech therapy as a career.

Major Adviser for Plan II Speech : Dr. Jones

Minor Adviser for Plan II Speech : Dr. Jones

#### *Plan III Liberal Arts Major in Speech*

Designed for students who elect to study the liberal arts tradition with an emphasis on speech.

Major Adviser for Plan III Speech : Dr. Jones

Minor Adviser for Plan III Speech : Dr. Jones

### MAJOR PROGRAMS

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 12 units of lower division Speech may be counted in any major program. No grade below C in lower division will be accepted as part of the major or minor.

#### *Plan I Teaching Major in Speech*

*Lower Division*—Preparation for the major

Elements of Public Speaking (Speech 7 and 8) ----- 6 units

Principles of Argumentation (Speech 11) ----- 3 units

Elementary Interpretation (Speech 1) ----- 3 units

*Recommended General Education Courses*

Freshman Composition (English 1 and 2) ----- 6 units

Additional units needed to meet requirements for upper division  
standing (see General Requirements, p. 30). ----- 42 units

60 units

*Recommended Electives in Related Fields*

Survey of English Literature (English 9 and 10)

Logic in Practice (Philosophy 6)



*Upper Division*

Group Discussion (Speech 100)-----	3 units
Advanced Public Speaking (Speech 110)-----	3 units
Theories and Techniques of Oral Interpretation (Speech 120)-----	3 units
Advanced Voice and Diction (Speech 130)-----	2 units
Principles and Methods of Speech Therapy (Speech 134)-----	3 units
Speech in the Secondary Schools (Speech 164)-----	2 units
From English 170 through 179-----	3 units
Language Arts 164-----	2 units
Language Arts 197-----	2 units
Advanced Television Techniques (Television 101)-----	3 units
Principles of Stage Direction (Drama 160A or 160B)-----	3 units
Additional courses to meet the requirements for the B.A. Degree (See General and Credential Requirements, pp. 30, 75)-----	35 units
	<hr/>
	64 units

*Graduate Program*

From Speech 200 through Speech 249, or from undergraduate speech courses marked "Open to graduate students for credit," provided all such work is completed in full graduate status and at least 3 units are earned in courses numbered 200 or above-----	6 units
Additional courses taken in graduate status to meet requirements for the general secondary credential-----	24 units
	<hr/>
	30 units

*Requirements for the Credential in the Correction of Speech Defects*  
See description of special credential requirements listed in Education, p. 75.

*Plan II Vocational Major in Speech**Lower Division*—Preparation for the major

Basic Voice Training (Speech 3)-----	3 units
Elements of Public Speaking (Speech 7 and 8)-----	6 units
Elementary Interpretation (Speech 1)-----	3 units
<i>Recommended General Education Courses</i>	
General Zoology (Zoology 5) or Physiology 1-----	3 units
General Psychology (Psychology 21)-----	3 units
Freshman Composition (English 1 and 2)-----	6 units
Additional units needed to meet requirements for upper division standing. (See General Requirements, p. 30)-----	36 units
	<hr/>
	60 units

*Upper Division*

Theories and Techniques of Oral Interpretation (Sp. 120)-----	3 units
Advanced Voice and Diction (Speech 130)-----	2 units
American Phonetics (Speech 131)-----	2 units
Principles and Methods of Speech Therapy (Speech 134)-----	3 units
Speech Pathology (Speech 135)-----	3 units
Clinical Practice (Speech 136)-----	3 units
Directed Individual Study (Speech 199)-----	2 units
Language Arts 197-----	2 units
Interpreting Children's Literature (English 128)-----	3 units
Audiology (Audiology 100)-----	3 units
A minor in Psychology which must include: Psychology 104, 112, and 127-----	20 units
Additional courses to meet the requirements for the B.A. Degree (See General and Credential Requirements, pp. 30, 75)-----	18 units
	<hr/>
	64 units

*Graduate Vocational Program*

Speech Science (Speech 210)-----	3 units
Clinical Problems in Speech Therapy-----	3 units
Advanced Clinical Practice (Speech 236AB)-----	16 units
Audiometry (Audiology 110)-----	3 units
	<hr/>
	25 units

**Plan III Liberal Arts Major in Speech**

<i>Lower Division</i> —Preparation for the major		
Elements of Public Speaking (Speech 7 and 8)	-----	6 units
Elementary Interpretation (Speech 1)	-----	3 units
Basic Voice Training (Speech 3)	-----	3 units
<i>Recommended General Education Courses</i>		
Freshman Composition (English 1 and 2)	-----	6 units
Additional units needed to meet requirements for upper division standing.		
(See General Requirements, p. 30)	-----	42 units
		<hr/> 60 units

*Recommended Electives in Related Fields*

Survey of English Literature (English 9 and 10)	
Logic in Practice (Philosophy 6)	
Introduction to Psychology (Psychology 21)	
Elementary and Intermediate French	

*Upper Division*

Group Discussion (Speech 100)	-----	3 units
Advanced Public Speaking (Speech 110)	-----	3 units
Theories and Techniques of Oral Interpretation (Sp. 120)	-----	3 units
Advanced Voice and Diction (Speech 130)	-----	2 units
Principles of Stage Direction (Drama 160A or 160B)	-----	3 units
History and Philosophy of the English Language (Eng. 100)	-----	2 units
Advanced Television Techniques (Drama 101)	-----	3 units
From English 160A through 106L	-----	2 units
<i>Recommended General Education Courses</i>		
From English 117J through 128	-----	3 units
Language Arts 197	-----	2 units
Additional courses to meet the requirements for the B.A. Degree (See General and Credential Requirements, pp. 30, 75)		-----
		38 units
		<hr/> 64 units

*Recommended Electives in Related Fields*

History of the Theater (Drama 100)	
The Press and World Affairs (Journalism 190)	

**MINOR PROGRAMS**

Course numbers listed below in connection with lower division requirements refer to Los Angeles City College courses, descriptions of which should be used in determining equivalents. Terminal education courses may not be offered as equivalents for upper division requirements. Not more than 6 units of lower division Speech may be counted in any minor program.

*Teaching Minor*

<i>Lower Division</i> —Preparation for the minor		
Speech (must include Speech 7)	-----	6 units

*Upper Division*

From Speech 100, 110, 120	-----	6 units
From Speech 130, 131, 134, 199	-----	6 units
Speech in the Secondary Schools (Speech 164)	-----	2 units
		<hr/> 20 units

*Liberal Arts Minor*

<i>Lower Division</i> —Preparation for the minor		
Speech (must include Speech 7)	-----	6 units

*Upper Division*

From Speech 100, 110	-----	3 units
From Speech 120, 130, 134	-----	5 units
		<hr/> 14 units



## COURSES OF INSTRUCTION

## PUBLIC SPEAKING (100-119)

## 100. Group Discussion (3) II

Prerequisite: Speech 7 or equivalent. Discussion of current problems and world affairs. Emphasis upon the methods of group discussion, including the panel, forum, symposium, round table, and single leader.

## 110. Advanced Public Speaking (3) I

Prerequisite: Speech 7 or equivalent. Preparation and delivery of formal speeches. Emphasis upon audience analysis and speech for special occasions.

## 111. Persuasive Speaking (2)

Prerequisite: Consent of the instructor. Attention is given to the application of speech techniques to practical situations. Some attention is given to group discussion and to parliamentary procedure. (Offered in Extended Day and Summer Session.)

## INTERPRETATION (120-129)

## 120. Theories and Techniques of Oral Interpretation (3) I, II

Prerequisite: Consent of the instructor. Student presentation of poetry and prose before an audience. Extensive reading by each student of the works of an author of his choice.

## SPEECH THERAPY (130-139)

## 130. Advanced Voice and Diction (2) I, II

Prerequisite: Three units of Voice Training or consent of instructor. Advanced studies in phonation, articulation and pronunciation. Special attention given to diction for classroom teachers, for the public speaker, and for the stage.

## 131. American Phonetics (2) I

Prerequisite: Three units of Voice Training or consent of instructor. Systematic analysis of the sounds of speech; use of the International Phonetic Alphabet. Application of phonetics to articulation, to the teaching of speech, and to speech therapy.

## 134. Principles and Methods of Speech Therapy (3) I, II

Prerequisite: Consent of the instructor. Characteristics, causes, and treatment of speech disorders. Lectures, case presentations, laboratory demonstrations, selected readings. Observation of work with various types of speech problems.

## 135. Speech Pathology (3) II

Prerequisite: Speech 134. Study of major speech disorders, including those caused by serious hearing loss, cleft palate, and cerebral palsy. Observation of work with seriously speech handicapped individuals. Open to graduate students for credit.

## 136A-B-C-D. Clinical Practice (1 or 2) I, II

Prerequisite: Speech 134. Practical experience in the correction of speech defects under the supervision of the Coordinator of Speech Therapy.

## 138A-B. Individual Speech Therapy (1) I, II

Prerequisite: Consent of the Coordinator of Speech Therapy. Practical individualized assistance for students who have deficient speech. Students with foreign accents, articulatory defects, organic speech defects, and stuttering are eligible to enroll.

## SPEECH EDUCATION

## 164. Speech in the Secondary Schools (2) II

Survey of speech textbooks suitable for secondary schools; techniques of teaching speech in secondary schools. Includes public speaking, oral interpretation, debate, and the presentation of assemblies.

## SPECIAL UNDERGRADUATE COURSES (190-199)

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Favorable review of student application for entry into work-study program by major adviser and work-study coordinator. Student conferences with supervising faculty member every two weeks, coupled with periodic on-the-job interviews.

## 199. Directed Individual Studies (1-4) I, II

Offered only when a faculty member is available and approves the study program proposed by the student. Regularly scheduled conferences with the supervising instructor, who will give oral or written examination. Limited to seniors. May be taken only once for credit.

## GRADUATE COURSES (200-250)

## 200. Bibliography and Research (3)

Fields, methods, procedures, and standards for research. Individual research projects undertaken by students. Offered each Fall, if demand warrants, starting 1953.

## 205. Proseminar in Dramatic Interpretive Recitals (3) Not offered 1950-51

Prerequisites: Speech 120 and consent of the instructor. Planning and presenting monodramas and play reviews for recitals, radio, and television.

## 210. Speech Science (3)

Scientific aspects of speech, including anatomical physiological, and acoustical characteristics of the normal speech and hearing mechanism. Offered each spring, if demand warrants. Primarily intended for speech and/or hearing therapy students.



## DIVISION OF NATURAL SCIENCE

Dean A. Anderson, Ph.D., Professor of Biological Science and Chairman of the Division

Samuel E. Urner, Ph.D., Professor of Mathematics

Roland Case Ross, M.S., Lecturer in Biological Science

Harry P. Bailey, Ph.D., Associate Professor of Geography

Harold H. Aschmann, M.A., Assistant Professor of Geography

Robert W. Durrenberger, M.S., Assistant Professor of Geography

Additional instructors as needed from Los Angeles City College.

### AIMS

Courses in the Division of Natural Science are designed for a threefold purpose: (1) to provide the major and minor fields for students seeking the general secondary credential in the Natural Science area; (2) to offer courses that satisfy the general requirements in Natural Science for the B.A. Degree and which give the student some insight into and appreciation of the physical world about him; (3) to offer preprofessional and other courses that prepare students for nonteaching vocations.

Majors and minors are given under two plans:

Plan I—Courses leading to a teaching major or minor.

1. Majors: Biological Science, Physical Science, General Science, Mathematics.
  2. Minors: Biological Science, Physical Science, General Science, Mathematics.
- Other minors may be allowed in special instances in Chemistry, Geology, etc.

Plan II—Courses leading to a nonteaching major or minor.

1. Majors: Biological Science, Zoology, Physical Science, General Science, Laboratory Technician, and Mathematics.
2. Minors: Biological Science (or specifically in botany, microbiology, or zoology), Physical Science (or specifically in chemistry or physics), and in Mathematics.

Advisers: For Mathematics—Urner

For all other courses—Anderson

### WORK-STUDY PROGRAM

Qualified students majoring in Natural Science fields may participate in the work-study program and be placed with scientific or industrial establishments wherein practical experience on the job is coordinated with the classroom theory. At present the opportunity for work-study is limited to chemistry and physics, but new areas will be added gradually.

See description of the Work-Study plan on page 19 and consult the Work-Study office in Holmes Hall 2.

## BIOLOGICAL SCIENCE

### PLAN I—REQUIREMENTS FOR THE TEACHING MAJOR IN BIOLOGICAL SCIENCE

#### *Lower Division*

General Botany, Plant Classification .....	8-9 units
General Microbiology or Bacteriology .....	5 units
General Zoology .....	4-5 units
Additional lower division units to meet upper division standing and general education requirements. These must include Chemistry.	
Recommended as electives: Genetics, Physiology, and Physics .....	45-46 units

60 units

#### *Upper Division*

Nature Study 120 and 110 or 125 .....	6 units
Zoology 107 A or B .....	2 units
Zoology 110 .....	2 units
Zoology 123 A or B .....	2 units
Astronomy 105, Geology 101 or Physics 110 .....	3 units
Botany or Zoology 190 A-B .....	1-1 units
Additional courses to complete minor and upper division courses recom- mended to include Botany 108, 109 or 111 .....	

47 units

64 units

#### *Graduate Year*

Courses in the major .....	6 units
Additional units to complete Graduate requirements for the credential (see Education Requirements, p. 75) .....	

24 units

30 units

### REQUIREMENTS FOR THE TEACHING MINOR IN BIOLOGICAL SCIENCE

The teaching minor in Biological Science consists of 20 units, six of which must be earned in the upper division.

### PLAN II—REQUIREMENTS FOR THE NONTEACHING MAJOR IN BIOLOGICAL SCIENCE

#### *Lower Division*

General Botany .....	5 units
General Zoology I .....	5 units
General Chemistry .....	10 units
General Microbiology or Bacteriology .....	5 units
Additional lower division units to complete lower division requirements (see General Requirements, p. 30). Recommended as electives: Gen- eral Zoology II, Physics, General Physiology .....	

35 units

60 units

#### *Upper Division*

Astronomy 105 or Physics 110 or Geology 110 .....	3 units
Botany 103A, 108, 109, 110, or 111; or Microbiology 103A, 105 .....	3 units
Geography 102, 110, 115, 161 .....	3 units
Nature Study 118, 120, or 125, or Zoology 105, 106, 110, 123A-B, 107A-B .....	3 units
Botany 190 .....	1-1 units
Additional units to complete a minor and upper division requirements (see General Requirements, p. 30). Recommended as electives: Zo- ology 123A-B .....	

50-51 units

64 units



## PLAN II (LABORATORY TECHNICIANS ONLY)

*Lower Division*

General Microbiology or General Bacteriology	5 units
General Chemistry	10 units
Quantitative Analysis Chemistry	3 units
Organic Chemistry	3 units
Physics	8 units
General Zoology	8-10 units
Additional units to complete the lower division requirements (see General Requirements, p. 30)	25-27 units
	<hr/> 64 units

*Upper Division*

Microbiology 103A-B. Medical Bacteriology	5 units
Microbiology 105. Viruses	2 units
Microbiology 121. Serology	3 units
Microbiology 122. Hematology	3 units
Microbiology 123. Parasitology	3 units
Chemistry 108 and 109. Biochemistry	8 units
Microbiology 190	1-1 units
Additional units to complete upper division requirements (see General Requirements, p. 30). Recommended as an elective: Zoology 106	40 units
	<hr/> 64 units

Those who wish to become Medical Technicians will follow the program above, then take a state examination after a year's internship. Consult the adviser for details.

## PLAN II (ZOOLOGY MAJORS ONLY)

*Lower Division*

Zoology 1 and 2. General Zoology	10 units
Zoology 4. Microtechnique	2 units
Microbiology 1. General Bacteriology	5 units
Botany 1. General Botany	5 units
Chemistry 1. General Chemistry	5 units
Additional units to complete the lower division requirements (see General Requirements, p. 30)	33 units
	<hr/> 60 units

*Upper Division*

Zoology 105. Embryology	4 units
Zoology 106. Comparative Anatomy	4 units
Zoology 107A-B. Mammalogy	4 units
Zoology 122. See Microbiology 122 (Hematology)	3 units
Zoology 123A-B. Birds of California	2-2 units
Zoology 124. See Microbiology 123 (Parasitology)	3 units
Zoology 110. Genetics	2 units
Zoology 190	1-1 units
Additional units to complete upper division requirements (see General Requirements, p. 30)	26 units
	<hr/> 64 units

## REQUIREMENTS FOR THE NONTEACHING MINOR IN BIOLOGICAL SCIENCE

The nonteaching minor in Biological Science consists of a minimum of 16 units, eight of which must be taken in upper division.

## GENERAL SCIENCE

### PLAN I—REQUIREMENTS FOR THE TEACHING MAJOR IN GENERAL SCIENCE

#### *Lower Division*

General Botany or General Zoology-----	5 units
General Biology-----	5 units
General Chemistry-----	5 units
General Geology-----	5 units
Physics-----	4-5 units
Additional lower division units to complete lower division requirements (see General Requirements, p. 30)-----	35-36 units
	60 units

#### *Upper Division*

Nature Study 120 and 110 or 125-----	6 units
Astronomy 105, Physics 110 or Geology 110-----	6 units
Zoology 107A or B or Zoology 123A or B-----	2 units
Geography 102, 110, 115 or 161-----	3 units
Botany, Zoology or Chemistry 190A-B-----	1-1 units
Additional units to complete upper division requirements (see Gen- eral and Education Requirements, pp. 30, 75)-----	45 units
	64 units

#### *Graduate Year*

Courses in the major-----	6 units
Additional units to complete postgraduate requirements for the cre- dential (see Education Requirements, p. 75)-----	24 units
	30 units



## PHYSICAL SCIENCE

### PLAN I—REQUIREMENTS FOR THE TEACHING MAJOR IN PHYSICAL SCIENCE

#### *Lower Division*

General Chemistry .....	10 units
Quantitative Analysis Chemistry .....	3 units
General Physics .....	6-10 units
Mathematical Analysis .....	10 units
Additional units to complete lower division requirements (see General Requirements, p. 30). Recommended as electives: General Geology, General Biology, Astronomy.....	
	26-31 units

60 units

#### *Upper Division*

Chemistry 106-113 .....	6 units
Geology 101 .....	3 units
Astronomy 105, Physics 110 or Geology 110 .....	3 units
Nature Study 110 .....	3 units
Chemistry 190A-B .....	1-1 units
Additional units to complete upper division requirements .....	47 units

64 units

#### *Graduate Year*

Courses in the major .....	6 units
Additional units to complete graduate requirements for the credential (see Education Requirements, p. 75) .....	24 units

30 units

#### *Requirements for the Teaching Minor in Physical Science*

The teaching minor in Physical Science consists of 20 units, six of which must be earned in the upper division.

### PLAN II—REQUIREMENTS FOR THE NONTEACHING MAJOR IN PHYSICAL SCIENCE

#### *Lower Division*

General Chemistry .....	10 units
Quantitative Analysis Chemistry .....	3-6 units
General Physics .....	10 units
Mathematical Analysis .....	10 units
Calculus .....	6 units
Additional units to complete lower division requirements (see General Requirements, p. 30). Recommended as electives: General Biology and General Geology. A minor in mathematics is suggested.....	
	18-21 units

60 units

#### *Upper Division*

Chemistry 106, 113 .....	6 units
Astronomy 105 or Physics 110 .....	3 units
• Geography 102, 110, 115, 161, or Geology 110 .....	3 units
Botany 109, 111, or Nature Study 120, or Zoology 123A-B .....	3 units
Additional units to complete the upper division requirements (see General Requirements, p. 30) .....	49 units

64 units

#### *Requirements for the Nonteaching Minor in Physical Science*

The nonteaching minor in Physical Science consists of a minimum of 16 units, at least eight of which must be taken in upper division.

COURSES OF INSTRUCTION  
BIOLOGICAL SCIENCE

BOTANY

103. **Plant Classification (3) II**  
Prerequisite: One lower division course in botany. A study of the classification of pteridophytes and gymnosperms. Provides information about the local native and cultivated plants which is especially valuable to the teacher of biology and nature study.
108. **Plant Ecology (3) II**  
Prerequisite: Botany 1 or equivalent. The plant in relation to its environment. Local conditions are stressed, and a major part of the work is done afield. Gives teachers and others a clear picture of the flora of the region. Lecture one hour; laboratory six hours.
109. **Plant Geography (3) II**  
Prerequisite: One previous course in biological sciences. A study of the floras of the world with emphasis on the principles and problems of their development. Local flora and conditions will be stressed. Lecture three hours.
110. **Plant Physiology (4) I**  
Prerequisite: Botany 1 or equivalent. A study of the functions of plants. The acquisition of raw materials and energy, manufacture of food and other substances, water relations, respiration, and growth. Lecture two hours; laboratory six hours.
111. **Economic Plants (3) I, II**  
A study of the economic plants of the world with particular emphasis on local conditions. A survey course important to students in business and economics, as well as in biology and education. Lecture three hours.
120. **Plant Anatomy (4)**  
Prerequisite: Botany 1. The microscopic structure of representative common plants with special consideration given to the development and differentiation of plant tissues. Lecture, two hours; laboratory, six hours.
- 190A-B. **Seminar (1-1) I, II**  
Prerequisite: Senior standing and consent of the instructor. Reviews of current literature and concepts in the various fields of the biological sciences. Recommended for all seniors majoring in the biological sciences.
- 198A-B-C-D. **Field Assignment and Reports (1-4) I, II**
- 199A-B. **Special Studies in Botany (1-1) I, II**  
Prerequisite: Major in Biological Science and consent of instructor. Individual problems for students capable of doing independent study. Credit and hours to be arranged.
- MICROBIOLOGY**
- 103A. **Medical Bacteriology (3) I**  
Prerequisite: General microbiology or consent of instructor. Bacteriology, immunology, and transmission of the infectious diseases of man and animals.
- 103B. **Medical Bacteriology Laboratory (2) I**  
Prerequisite: Concurrently with 103A. Laboratory diagnosis of bacterial diseases.
105. **Viruses (2) II**  
Prerequisite: General Microbiology or consent of instructor. Consideration of the virus and rickettsial diseases of man and animals. Lecture and demonstrations.
121. **Serology (3) II**  
Prerequisite: Microbiology 103. Fundamental principles of immunology and serology are studied and laboratory experience gained in producing antigens and antisera and in performing the important, commonly used serological tests.



## 122. Hematology (3) I

Prerequisite: Zoology 1; recommended courses in physiology and anatomy. A study of the basic principles behind methods used for the examination of blood, and laboratory experience in making complete blood counts, hemoglobin determinations, typing and cross-matching, and other related procedures.

## 123. Parasitology (3) II

Prerequisite: Zoology 1 or the equivalent. The study of parasitic protozoa and helminths of man with emphasis on classification and identification. Life cycles of some representative forms considered.

## 190A-B. Seminar (1-1) I, II

See Botany 190.

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

## 199A-B. Special Studies in Microbiology (1-2) I, II

Individual laboratory problems for students capable of doing independent study.

## NATURE STUDY

## 110. Physical Science Activities (3) I

Experience and collections in functional aspects of geology, meteorology and astronomy. Field work in collecting rocks, studying stars, making weather observations, examining soil types and erosions, and making topographic, star and weather maps. Designed especially for teachers and recreation leaders. Two lectures; two laboratory or field.

## 118. Everyday Nature (3) I

What the school, home and urban environments offer for science studies in all levels of education. Projects, field trips, and laboratory utilized in studying the educational value of domestic and wild plants and animals. Great biological and physical principles discovered in the city expressed in seasons, weather, soil, environment and living things. Two lectures, two laboratory or field.

## 120. Nature in California (3) II

Prerequisite: A course in a lower division biological science or Nature Study 118. California nature and its effect on man. Specific acquaintance with birds, mammals, native vegetation and major associations is gained by laboratory study and wide-ranging field trips through Southern California. Two lectures; two laboratory or field.

## 125. Science Materials (3) I, II

The collection, preservation, manufacture, exhibit and use of science materials, including the maintenance of living things. Laboratory used for acquiring and observing necessary skills in handling science materials. Two lectures; two laboratories.

## 126. Science Materials (2) Summer only

Same content as Nature Study 125, but without the emphasis upon acquiring laboratory skills. Two lectures; demonstration.

## 141. Conservation of Wild Life (2) II (Not given 1951-52)

Orientation in current problems and basic needs of wild life. Human interest and values. How man and wildling can live together. Conservation practice and education.

## 145. Marine and Shore Life (3) I

Observation and study of life along bays, shores and pools. Maintenance of small tanks of live specimens in the laboratory. Preparation and display of specimens. Saturday trips.

## PUBLIC HEALTH

## 103. Biological Foundations of Sanitation (3) I

Principles of life sciences including bacteriology, parasitology, and entomology relevant to control of environmental sanitation.

105. **Physical Principles of Sanitation (3) II**  
Techniques in general sanitation covering construction and maintenance of water facilities, filters, sewage disposal, heating, ventilation, lighting, plumbing, and housing.
107. **Environmental Sanitation Control (3) I**  
Prerequisite: PH 103 and PH 105 or consent of instructor. A study of waste disposal, insect, rodent, and nuisance control, control of food and housing sanitation.
109. **Principles of Sanitary Inspection (3) II**  
Prerequisite: PH 107 or consent of instructor. Objectives and special techniques in food sanitation covering milk, meat, markets, restaurants, and processing plants.
112. **Community Control of Communicable Disease (3) I**  
Prerequisite: PH 103 and PH 105, or consent of instructor. The epidemiology, modes of transmission, and community control of communicable diseases, including tuberculosis and the venereal infections.
115. **Public Health Administration (3) II**  
Prerequisite: PH 103 and PH 105, or consent of instructor. A study of agencies dealing with sanitation. Organization of health departments, office procedures, laws and legal regulations, and public relations.
120. **Sanitary Bacteriology (3)**  
Sanitary applications of microbiology considering particularly water-borne diseases water testing and treatment sewage disposal, air and ventilation sanitation. Lectures and demonstrations.

## ZOOLOGY

105. **Mammalian Embryology (4) I**  
Prerequisite: Zoology 1 and 2 or equivalent. A survey of the development of the mammal from egg to foetus with laboratory studies of rat and pig embryos. Histogenesis and organogenesis, and physiology of the reproductive tract. Lecture two hours; laboratory six hours.
106. **Comparative Vertebrate Anatomy (4) II**  
Prerequisite: Zoology 1 and 2 or equivalent. The anatomical comparison of the various classes of animals belonging to the phylum chordata, such as the cat, turtle, and salamander, stressing the skeletal, muscular, circulatory, nervous, and urogenital systems. Two hours of lecture; six hours of laboratory.
- 107A-B. **Mammalogy (2-2) I, II**  
Prerequisite: Zoology I. Natural history, identification and classification of mammals together with field techniques. Emphasis is placed on the mammals of the western states. Lecture one hour; laboratory or field work three hours.
110. **Genetics (2)**  
Prerequisite: Zoology 1 or Biology 1 or the equivalent. Principles of the genetics of animals and plants emphasizing the mechanisms of inheritance and the practical applications. Two lectures.
122. **Hematology (3) (See Microbiology 122)**
- 123A-B. **Birds of California (2-2) Year course**  
Acquaintance with Pacific Coast and desert birds by specimens, lecture and field study. Classification, structure, habits, field recognition, and ecology will be featured. Spring section includes nesting and bird songs. Fall section contacts migration and distribution. A year of field work with birds. One lecture; two laboratory or field.
124. **Parasitology (3) (See Microbiology 123)**
- 190A-B. **Seminar (1-1) I, II (See Botany 190)**
- 198A-B-C-D. **Field Assignment and Reports (1-4) I, II**



## PHYSICAL SCIENCE

### ASTRONOMY

#### 105. History of Astronomy (3) II

A study of the more important astronomical concepts and problems from the standpoint of their historical development and the contributions of great astronomers.

### CHEMISTRY

#### 106. Advanced Organic Chemistry (3)

Prerequisite: Lower division organic chemistry. A course of more advanced nature dealing with the theoretical aspects of organic chemistry and the less common organic compounds.

#### 108. Biochemistry (4) I, II

Prerequisite: Chemistry 106 and 107. A study of carbohydrates, fats, proteins, enzymes, and vitamins, with special reference to the nutrition of the living cell. Lecture and laboratory.

#### 109. Biochemistry (4) I, II

A continuation of Chemistry 108. Special emphasis is placed on the analysis of body fluids and tissues.

#### 110. Survey of Physical Science (3) I, II

No prerequisites. An overview of the chief branches of the physical sciences as applied to modern living. Not open to students with more than one year of college science.

#### 112. Organic Analysis (3) II

Prerequisites: Chemistry 5 with grade of at least "C" and Chemistry 106 and 107. Preparation and identification of organic compounds.

#### 113. Advanced Inorganic Chemistry (3)

Prerequisite: Year of General Chemistry. A detailed study of the inorganic elements based on the periodic grouping and stressing electronic configuration, physical and chemical properties.

#### 190A-B. Seminar (1-1) I, II (See Botany 190)

#### 198A-B-C-D. Field Assignment and Reports (1-4) I, II

An analysis and report on the student's performance under the work-study program. The coordination of campus and field work. Prerequisite is active employment in the work-study program.

### GEOGRAPHY \*

#### 102. Geomorphology (3) I, II (See Social Science, Geography)

Identification and study of the surface features of the earth and their meaning.

#### 110. Climatology (3) II (See Social Science, Geography)

Prerequisite: Geography 3 is recommended. The major climatic types of the earth, including their significance in the landscape and to man.

#### 115. Physical Geography (3) I (See Social Science, Geography)

The natural features of the landscape, with emphasis on climate, land forms, and plant life.

#### 161. Conservation of Natural Resources (3) I, II (See Social Science, Geography)

The principles of conservation and their application in the United States.

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\* Natural Science credit is given only for Geography 102, 110, 115, and 161. All other courses in geography are classified as social science.

## GEOLOGY

## 101. Principles of Geology (3) I

Prerequisite: Upper division standing. Principles of physical and historical geology will be considered. Not open to students with credit in undergraduate geology.

## 110. Economic Geology (3) II

Prerequisite: Course in lower division Geology or Geology 101. Source and distribution of economically important metallic and nonmetallic mineral deposits.

## PHYSICS

## 110. Modern Physics (3) I, II

Prerequisite: Lower division physics or chemistry. An introduction to the basic principles of modern particle physics and electronics. The approach is nonmathematical and stresses accurate understanding of the basic concepts. An enlightening course for the teaching majors. Lecture and demonstration.

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Analysis and report on the student's performance under the work-study program. Coordination of campus and work experiences. Prerequisite is active employment in the work-study program.



## MATHEMATICS

### PLAN I—REQUIREMENTS FOR THE TEACHING MAJOR IN MATHEMATICS \*

For those who wish to teach mathematics courses are offered that lead to the general secondary credential, with a major in Mathematics. The major requirement is the completion of 36 units, 16 of which must be upper division.

#### *Lower Division*

A typical program would be the equivalent of Los Angeles City College Mathematics 3, 7, 8, 11, and 12. Other suitable courses are Mathematics 5, 22, 38, 40, 41, and 42. The following are not to be counted toward a major or minor: Mathematics 50, 63, 1, 6, 19, 21, 30, and 37. See General Requirements for additional units to complete the lower division, p. 30.

#### *Upper Division*

Following courses are acceptable:

Mathematics 107. Introduction to Modern Geometry .....	3 units
Mathematics 108. Theory of Algebraic Equations .....	3 units
Mathematics 109. Topics in History of Mathematics .....	3 units
Mathematics 110. Overview of Secondary Mathematics .....	3 units
Mathematics 113. Elementary Statistical Methods .....	3 units
Mathematics 114. Vectors and Allied Topics .....	2 units
Mathematics 115. Differential Equations and Applications .....	2 units
Mathematics 12. Third Course in Calculus .....	3 units

See General and Education Requirements for additional units.

#### *Graduate Year*

Graduates of other colleges will be required to take at least two courses in upper division mathematics during the graduate year. Graduates of Los Angeles State College are urged to elect additional mathematics courses during their graduate year. See Education for additional requirements.

#### *Requirements for the Teaching Minor in Mathematics*

The requirement for a teaching minor in Mathematics is 20 units, of which at least 6 must be upper division.

### PART II—REQUIREMENTS FOR THE NONTEACHING MAJOR IN MATHEMATICS \*

The requirement for a nonteaching major in Mathematics is 36 units, of which at least 16 must be upper division.

#### *Lower Division*

Same as recommendations for the teaching major, above.

#### *Upper Division*

Mathematics 107. Introduction to Modern Geometry .....	3 units
Mathematics 108. Theory of Algebraic Equations .....	3 units
Mathematics 114. Vectors and Allied Topics .....	2 units
Mathematics 115. Differential Equations and Applications .....	2 units
Mathematics 121. Advanced Calculus I .....	3 units
Mathematics 122. Advanced Calculus II .....	3 units
Mathematics 130. Modern Algebra .....	3 units

Those intending to pursue applied mathematics, including statistics, should take courses 114, 115, 121, 122, 131, and 132.

\* These programs are not intended to be definitely required lists of courses. A certain degree of flexibility is recognized as desirable, in order to provide for individual tastes and needs. The approval of the department adviser is required on all programs offered for majors or minors.

*Requirements for the Nonteaching Minor in Mathematics \**

The requirement for the nonteaching minor in Mathematics is 20 units, of which at least 6 must be in upper division. See adviser.

## COURSES OF INSTRUCTION

## MATHEMATICS

## 101. History of Arithmetic (2) II

Prerequisite: One year of algebra. The story of the growth of number concepts and processes from the dawn of recorded history to the present. Planned especially to provide background and enrichment material for prospective elementary teachers, but should be of interest and value to others who are not mathematics majors. Its goals are understanding and appreciation.

## 107. Introduction to Modern Geometry (3) II

Prerequisite: Mathematics 8 or equivalent. A study of some of the synthetic geometry which has been developed since the time of Euclid, followed by a brief survey of non-Euclidean geometry.

## 108. Theory of Algebraic Equations (3) I

Complex numbers, properties of polynomials, with especial reference to the field concept; equations in the fields of rational numbers, real numbers. Elimination, resultants; algebraic extensions of a field, cubic equations, constructibility problems.

## 109. Selected Topics in the History of Mathematics (3) I

Prerequisite: Mathematics 12 or equivalent. This course traces the development of fundamental concepts and techniques in the fields of algebra, geometry and trigonometry.

## 110. Overview of Secondary Mathematics (3) II

Designed especially for prospective teachers of secondary mathematics, the course undertakes a critical study of certain segments of the material. It provides excursions beyond the scope of this material, for the purpose of furnishing a richer background and an inspiring point of view.

## 112. Intermediate Calculus (3) I, II

Prerequisite: Mathematics 11. Solid analytic geometry, functions of several variables, multiple integration and applications. (Credit not given for both Mathematics 12 and Mathematics 112.)

## 113. Elementary Statistical Methods (3) I, II

Prerequisite: One year of algebra. The fundamental methods of statistics—not a course in statistical theory. It is designed to provide a background for work in the various fields of application, such as business, education, psychology, and sociology. Topics studied include measures of central tendency, measures of dispersion, normal distribution, correlation, sampling, methods of comparison of sampling. (Formerly Math. 111.)

## 114. Vectors and Allied Topics (2) I, II

Prerequisite: Mathematics 11, which may be taken concurrently. The selection of topics for this course has been made upon the basis of their usefulness in applications. They include: empirical equations, interpolation, least sequences, trigonometric development of functions, elements of vector theory.

## 115. Differential Equations and Applications (2) I, II

Prerequisite: Mathematics 12, which may be taken concurrently. A study of the simpler types of differential equations with major emphasis on their applications in the sciences. Attention is given to the actual setting up of differential equations representing significant problems in physics, chemistry, electrical theory, etc.

\* These programs are not intended to be definitely required lists of courses. A certain degree of flexibility is recognized as desirable, in order to provide for individual tastes and needs. The approval of the department adviser is required on all programs offered for majors and minors.



**121. Advanced Calculus (3) I**

Prerequisite: Mathematics 12 or equivalent. Objectives include: (1) development of the foundations of calculus with a thoroughness impossible at earlier stages; (2) extension of the techniques and ideas of analysis into higher fields essential to more advanced or graduate work in the subject. Included are: review of fundamental processes, with extensions for heightened interest, fundamental theory, Taylor's formula and applications, partial differentiation, explicit and implicit, with careful attention to the underlying ideas.

**122. Advanced Calculus (3) II**

Prerequisite: Mathematics 121 or equivalent. A continuation of Mathematics 121, the main topics being: complex numbers and vectors, advanced topics in differential equations, topics in integral calculus, introductory survey of functions of a complex variable.

**130. Modern Algebra (3) II**

Prerequisite: Mathematics 108. An introduction to some of the principal concepts of modern algebra, including integral domains, groups, rings, and fields, as well as vector spaces and matrices.

**131. Introduction to Mathematical Statistics (3) I**

Prerequisites: Mathematics 12 or equivalent. (Mathematics 12 may be taken concurrently.) A basic course in the theory and application of statistical methods. Theoretical and empirical frequency distributions of one or two variables. Large and small sample theory. Correlation.

**132. Introduction to Mathematical Statistics (3) II**

Prerequisite: Mathematics 131. Nonparametric methods. Testing "goodness of fit." Testing statistical hypotheses. Design of experiments.

## DIVISION OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

Ferron C. Losee, Ed.D., Professor of Physical Education and Chairman of the Division  
 Frances E. Cake, Ph.D., Associate Professor of Physical Education  
 George W. Willott, M.S., Associate Professor of Physical Education  
 Cameron Scott Deeds, M.S., Assistant Professor of Physical Education  
 Felix J. Jumonville, Jr., M.S., Assistant Professor of Physical Education  
 Marguerite Mochel, Ph.D., Assistant Professor of Physical Education  
 Warren E. Reeves, Ph.D., Assistant Professor of Physical Education  
 Albert R. Wise, M.A., Assistant Professor of Physical Education  
 Leonard L. Adams, B.S., Lecturer in Physical Education  
 Saxon C. Elliot, M.S., Lecturer in Physical Education

### AIMS

The purpose of the Division of Health, Physical Education, and Recreation is to help prepare students for positions of leadership which necessitate knowledge and ability in health education, physical education, recreation, and/or athletic coaching. A chief function of the division is to conduct programs of intramural and intercollegiate athletics.

### SCOPE

The division offers a program leading to a Bachelor of Arts degree, a special secondary credential, and a general secondary credential in several fields of concentration. These fields and the adviser for each are:

<i>Area</i>	<i>Adviser</i>
Health and Physical Education for Men .....	Albert R. Wise
Health and Physical Education for Women .....	Frances E. Cake
Recreation .....	George W. Willott

Majors in the division are designed for three groups of students:

1. Those who expect to teach physical or health education (Plan I).
2. Those who expect to become physical education leaders in other than public school programs (Plan II-A).
3. Those who expect to become recreation leaders (Plan II-B).

### WORK-STUDY PROGRAM

The work-study program plays an important role in the Division of Physical Education and Recreation and offers the qualified student many advantages found in few other schools.

1. It provides an integration between theory and practice, principles and applications.
2. It enables the student to gain experience in physical education and recreation with public and private agencies.
3. It gives the student valuable contacts with off-campus recreational personnel. See also the description of the Work-Study Program on page 19.

### PLAN I—REQUIREMENTS FOR A GENERAL SECONDARY CREDENTIAL WITH A MAJOR IN PHYSICAL EDUCATION

#### *Lower Division—Preparation for the major*

Physical Education—One semester of at least one activity from each of the following groups: (a) aquatics, (b) individual or dual sports, (c) team sports, (d) rhythmic activities..... 4-6 units

Other units to meet the requirements for upper division standing (see General Requirements, p. 30). Recommended natural sciences to include Biology 25, Chemistry 3, Anatomy 25, Physiology 1 ..... 54-56 units

60 units



*Upper Division*

Education 170	3 units
Education 102 or Psychology 113	2-3 units
Education 110	3 units
Education 147	2 units
Education 107	3 units
Education 109	2 units
Education 130	2 units
Major in Physical Education	34-40 units
P.E. 144 and 145	4 units
P.E. activities including lower division units (selected to include at least 2 team sports, 2 individual or dual sports, 1 rhythmic activity, and 1 unit of aquatic courses)	6 units
P.E. 117 (Required for men; may be taken by women)	2 units
Education 193PE and P.E. 121AB and/or P.E. 131AB	4-6 units
P.E. 125, 126, 127, 133, 134, 135	6-10 units
P.E. 114 and 116	6 units
P.E. 132	2 units
P.E. 150	2 units
P.E. 115	2 units
Electives: P.E. 140, 161, 175B, 200	2-8 units
Other courses necessary to meet the requirements for the general secondary credential (see Education Requirements, p. 75)	4 units
	<hr/> 64 units

*Graduate Year*

Education 250. Directed Teaching *	6 units
Psychology 108	2 units
P.E. 200 and two courses from 210, 220, 246, and 270	6 units
Minor	8 units
Electives	8 units
	<hr/> 30 units

**REQUIREMENTS FOR THE SPECIAL SECONDARY CREDENTIAL  
IN PHYSICAL EDUCATION**

*Lower Division—Preparation for the major*

Similar to those for the general secondary credential, above.

*Upper Division*

Education 107. History and Philosophy of Education	3 units
Education 110. Educational Psychology	3 units
Education 170. Principles, Curriculum in Secondary Education	3 units
Education 193P.E. Methods of Teaching P.E. in Secondary School	2 units
Education 250.* Directed Teaching in Secondary School	4 units
Physical Education—Activities	0-2 units
Physical Education 114, 115, 116, 132, 144, 145, 150	17 units
Physical Education 121AB, or 131AB	3-4 units
Physical Education 125, 126, 127, 133, 134, or 135	6-10 units
Physical Education 117 (required by men; open to women)	2 units
Psychology 113. Psychology of Adolescence	3 units
Recommended electives: P.E. 140, 161, 175, 200, and Education 109 (Tests), 130 (Counseling), and 147 (Audio-Visual)	4-15 units
Other courses to complete graduation requirements (see General and Education Requirements, pp. 30, 75)	0-12 units
	<hr/> 64 units

\* Education 250—Every undergraduate student majoring in Physical Education must complete at least 12 units of work in the L. A. S. C. Division of Physical Education before he can be approved for directed teaching.

\* Education 250—Any physical education major student who plans to complete only the minimum residence requirement of 24 semester units at Los Angeles State College must have completed at least 12 semester units of work in the Department of Physical Education at this college. To become a candidate for directed teaching, a student must provide an up-to-date transcript of his college courses, have a cumulative grade point average of 1.5, and the department's approval.

## REQUIREMENTS FOR A TEACHING MINOR IN PHYSICAL EDUCATION

*Lower Division—Preparation for the minor*

Physical Education activity----- 4-6 units

*Upper Division*

Physical Education 117 (for men—may be taken by women)----- 2 units

Electives in upper division physical education to include 2 units in methods, 2 units in scientific and 2 units in recreation courses offered by the department. Additional units to total----- 20 units

-----  
28 units

Requirements for a General Secondary Credential in Health Education. See Adviser. Also see page 75.

NOTE: In order to secure a spread of activity, subject credit toward a physical education major will be permitted only once for each lower division activity course. For example, elementary tennis taken two semesters will receive subject credit for but one semester.

PLAN II-A—REQUIREMENTS FOR THE NONTEACHING MAJOR  
IN PHYSICAL EDUCATION*Lower Division—Preparation for the major*

Same as requirements for the lower division of Plan I.

*Upper Division*

Social Studies—Electives----- 2 units

A major in Physical Education composed of the following:

Physical Education 145 and 144 ----- 4 units

Physical Education 132 ----- 2 units

Physical Education 125, 126, 127, 133, 134, 135 ----- 6-10 units

Physical Education 114, 116, 117 (117 for men—open to women) ----- 8 units

Physical Education 150 ----- 2 units

Physical Education 175 ----- 2 units

Education 130 ----- 2 units

Physical Education 120, 115, 161, 200 ----- 4-8 units

Physical Education activity ----- 2 units

Education 193PE ----- 2 units

Limited electives: Ed. 102, Ed. 110, Ed. 147, Psych. 108, Soc. 102

Other courses necessary to meet the requirements for a bachelor's degree (see General Requirements, p. 30)----- 14-22 units

-----  
64 units

## REQUIREMENTS FOR A NONTEACHING MINOR IN PHYSICAL EDUCATION

*Lower Division—Preparation for the minor*

Physical Education activity----- 4-6 units

*Upper Division*

Consent of the Department and 6 units of upper division courses, 2 of which must be selected in methods, 2 in scientific, and 2 in recreation courses offered by the Department.

## PLAN II-B—RECREATION

Through the assistance of a representative group from the recreational agencies in the Los Angeles area, the Los Angeles State College of Applied Arts and Sciences has set up a major and a minor in recreation. The courses are designed to meet the needs of students who wish to qualify for recreational leadership and employment in this field. The department draws on art, music, speech, journalism, botany, sociology, audio-visual, and others.

In addition to the major and minor programs leading to a bachelor's degree, the college offers an inservice training program designed to meet the particular needs of those already in the field. This phase of the recreation program is especially flexible and changes according to the needs, as indicated by a survey each semester.



## REQUIREMENTS FOR A MAJOR IN RECREATION

*Lower Division—Preparation for the major*

Biology 12 .....	3 units
Biology 25 or Zoology 5 .....	3 units
Physical Education activity, at least one course in each area .....	4 units
Physical Education 18ab or 24ab, 21, 25 or 35, 27, 33 and 34 or 23 .....	14-15 units
Other units necessary to meet the requirements for upper division standing (see General Requirements, p. 30) .....	36-39 units
	<hr/> 60-64 units

*Upper Division*

Art 162. Arts and Crafts in Recreation .....	2 units
Psychology 108. Mental Hygiene .....	2 units
Music 103A. Basic Music Theory .....	2 units
Sociology 102. Social Problems .....	3 units
Nature Study .....	3 units
Education 102. Growth and Development .....	2 units
Education 147. Audio-Visual Methods .....	2 units
Government 163. Public Personnel Administration .....	3 units
P.E. 121AB. First Aid and Water Safety or P.E. 131A or B. First Aid or Water Safety for Instructors .....	2 units
P.E. 125. Methods of Teaching Square and Round Dance .....	2 units
P.E. 132. Methods of Teaching Individual Sports .....	2 units
P.E. 140. School Camping and Outdoor Education or P.E. 188. Camp Leadership .....	2 units
P.E. 161. Social Recreation Leadership .....	2 units
P.E. 175. Organization and Administration of Recreation .....	3 units
P.E. 176AB. Directed Leadership in Private and Public Recreation Agencies .....	6 units
P.E. 177. Public Relations in Recreation .....	2 units
P.E. 179. Organization and Administration of Club Activities .....	2 units
P.E. 185. The Recreation Program .....	3 units
P.E. 189. Philosophy of Recreation .....	2 units
Additional units to meet the requirements for the bachelor's degree (see General Requirements, p. 30) .....	13-17 units
	<hr/> 60-64 units

## REQUIREMENTS FOR A MINOR IN RECREATION

Twelve units, 6 of which must be in upper division courses in physical education-recreation.

## COURSES OF INSTRUCTION

## 100. Varsity Athletics

Counts as activity credit as follows:

- 100A. Baseball (1) II
  - 100B. Basketball (1) I
  - 100C. Football (1) I
  - 100D. Track and Field (1) II
  - 100E. Water Polo (1) I
  - 100F. Cross Country (1) I
  - 100G. Wrestling (1) II
  - 100H. Golf (1) II
  - 100I. Tennis (1) II
  - 100J. Bowling (1) I
  - 100K. Swimming (1) II
  - 100L. Gymnastics and Tumbling (1) II
101. Advanced Aquatic Skills (1) I, II
102. Advanced Tennis Skills (1) I, II
105. Advanced Sports Skills (2) I, II

Advanced work in the fundamental skills of various sports. Suitable for those students majoring in physical education and recreation.

114. **Kinesiology (3) II**  
Prerequisite: Human Anatomy. Analysis of joint and muscular action in relation to movement; application of the basic principles of mechanics to efficiency of performance in a variety of selected physical education activities.
115. **Corrective Physical Education (2) I**  
Prerequisites: Human Anatomy, Kinesiology. Administration of group and individual exercises for the prevention and correction of various functional disorders and structural defects; laboratory practice.
116. **Physiology of Activity (3) I**  
Prerequisite: Physiology. Effects of various types of physical activity upon the circulatory, respiratory, and other physiological processes. How skill, endurance, fatigue, training, and related factors affect athletic performance.
117. **Prevention and Care of Athletic Injuries (2) II**  
Prerequisites: Human Anatomy, Physiology, Physiology of Exercise, First Aid. Conditioning for the prevention of injuries; techniques of massage, bandaging, and taping; immediate care of injuries; methods of recovery treatment.
120. **Physical Education in Elementary Schools (3) I, II**  
Prerequisite: Upper division status. Physical education in the elementary schools; program organization and activities.
- 121A. **First Aid for Teachers (1) I, II**  
Standard and advanced Red Cross first aid.
- 121B. **Water Safety (1) I**  
Red Cross senior lifesaving.
122. **Survival Training Education (2) I, II**  
The analysis of civil defense organization. Personal survival training information. Methods of educating the public for and in emergency conditions. Latest developments and information in survival training education.
125. **Methods of Teaching Square and Round Dance (2) II**  
Techniques and materials for teaching and calling square and round dances.
126. **Methods of Teaching Modern Dance (2) II**  
Prerequisites: Elementary Modern Dance, or permission of instructor. Techniques and organization of teaching modern dance in the elementary and secondary schools; history, philosophy, principles, composition.
127. **Methods of Teaching Social Dance (2) I**  
Techniques and materials for teaching the basic steps of the waltz, fox trot, tango, samba, and other current popular dances.
128. **Methods of Teaching Rhythms in Elementary Schools (2) II**  
Prerequisite: Upper division status. Techniques and materials for the elementary school teacher in fundamental rhythms, rhythmic interpretations, dramatized rhythms, singing games; practice in the use of various devices of accompaniment.
- 131A. **First Aid for Red Cross Instructors (2) II**  
Prerequisite: Current Red Cross certificate in advanced first aid. American Red Cross course which qualifies instructors in first aid.
- 131B. **Water Safety for Instructors (2) II**  
Prerequisite: Current Red Cross certificate in senior lifesaving. American Red Cross course which qualifies instructors in water safety.
132. **Methods in Teaching Individual Sports (2) II**  
Organization and techniques of teaching individual and dual sports.



133. **Methods of Coaching Football and Basketball (2) I**  
 Prerequisite: Football and basketball activity, or permission of instructor. Techniques of coaching; organization of practice; handling of players; principles of competition; systems of offense and defense; purchase and care of equipment.
134. **Methods of Coaching Track and Field and Baseball (2) II**  
 Prerequisite: Track and field and baseball activity, or permission of instructor. Problems involved in coaching track and field and baseball; methods of coaching skills and techniques of baseball, track, and field events; laboratory practice.
135. **Methods of Coaching Tennis and Swimming (2) II**  
 Prerequisite: Tennis and swimming activity, or permission of instructor. Problems involved in coaching tennis and swimming; methods of coaching skills and techniques of competitive tennis and laboratory practice.
137. **Sports Officiating (2) I**  
 Problems and techniques of officiating the various sports.
140. **School Camping and Outdoor Education (2) I**  
 Aims, organization, administration, and program of the school camp. (Formerly P.E. 106.)
144. **Organization and Administration of Physical Education and Athletics (2) II**  
 Administrative policies, selection of staff; construction and use of facilities; class organization, finances and budgeting; purchase and care of equipment; publicity. (Formerly P.E. 166.)
145. **History and Principles of Physical Education (2) I**  
 Background and development of present-day problems, issues, and controversies in the field of physical education.
150. **School Health Education (3) I, II**  
 Prerequisite: Upper division status. Physical Education 10, Physical Education 44, or the equivalent. Responsibilities of the classroom teacher in school health education program. Cooperation with medical services, provision of healthful classroom environment, health instruction.
160. **Special Events in Recreation (2) I (Not given in 1951-52)**  
 The function of, and planning for, festivals and pageants in the community and private recreation programs. (Formerly called Festivals and Pageants.)
161. **Social Recreation Leadership (2) II**  
 Leadership techniques in the various social phases of recreation.
175. **Organization and Administration of Recreation (3) II**  
 Problems encountered in establishing and organizing a community for recreation services. Special emphasis given to governmental control, legislative provision, municipal control, budgets, personnel, departmental organization, and administrative practices.
- 176A. **Directed Leadership in Private Recreation Agencies (3) I, II**  
 Supervised experience in recreational programs.
- 176B. **Directed Leadership in Public Recreation Agencies (3) I, II**  
 Supervised experience in recreational programs.
177. **Public Relations in Recreation (2) I**  
 Public relations techniques such as the use of radio, television, films, exhibits, correspondence, public talks, reports, office courtesies.
178. **Industrial Recreation (2) I**  
 The fundamental techniques of organization and administration of recreation in industry. (Formerly P.E. 107.)

179. **Organization and Administration of Club Activities (2) II** (Not given in 1951-52)  
Techniques in the organization and general program planning for recreation in club activities.
185. **The Recreation Program (3) II**  
Problems commonly encountered in planning the content of the recreation program including principles of program construction, scheduling, and evaluation in the various fields of recreation.
187. **Dance in Community Recreation (2) I**  
Conduct of community dancing including advanced techniques in round, square, and social dances.
188. **Camp Leadership (2) II**  
Techniques of camp counseling and leadership, some program content and visits to nearby camps. (Formerly P.E. 185.)
189. **Philosophy of Recreation (2) II**  
The interpretation of recreation as a basic part of the living process, its importance in individual, community and national life. Its social and economic significance and the growing demands of leisure time problems.
- 198A-B-C-D. **Field Assignment and Reports (1-4) I, II**  
Analysis of the student's performance under the Work-Study program. Coordination of the work of the student on campus and on the job. Prerequisite is active employment under the Work-Study plan.

## GRADUATE COURSES

200. **Tests and Measurements in Physical Education (2) I**  
Prerequisites: Education 109 and permission of instructor. Tests of anthropometry, organic function, native physical capacity, achievement, and knowledge; their uses in the physical education program.
210. **Supervision of Physical Education (2) I**  
Prerequisite: Bachelor's degree. History, philosophy, principles and techniques of supervising physical education in the elementary and secondary schools; professional qualities and preparation of supervisors. (May be taken only in graduate status.)
220. **Administration of Health Education (2) II**  
Prerequisites: Physical Education 150, 151, or permission of the instructor. Bases for organization, content, and appraisal of a school health education program.
- Directed Teaching (4-6) I, II** (See Education 250)  
Observation and participation in classroom, gymnasium, and playground activities under the guidance of a college supervisor and a directing teacher.
246. **Problems in Intramural and Interscholastic Athletics (2) II**  
Current problems and recent trends in the conducting of intramurals and interscholastic athletics. Principles, procedures, and organization in competitive athletics.
270. **Recreation in Public Education (2) II**  
Uses made of educational resources for recreation and community living. Consideration will be given to the after school program, summer programs, school camping, outdoor education and adult education.
271. **Surveys and Planning in Recreation (2) I**  
Planning for recreation services and facilities based on studies and surveys. Various types of recreational surveys will be studied for the purpose of understanding, scope, content, objectives, procedures, and types.
- NOTE: For Directed Teaching see Education 250. For Physical Education Methods see Education 193PE.



RELATED COURSES

*For Physical Education Major Students*

Psychology 145 ----- Social Psychology  
 Sociology 148 ----- Juvenile Delinquency

*For Recreation Major Students*

Accounting 2 ----- Principles of Accounting  
 Art 101 A or B ----- Art in Modern Life  
 Drama 163 ----- Speech and Dramatic Activities in Elementary Schools  
 Education 110 ----- Educational Psychology  
 Education 130 ----- Counseling and Guidance in the High School  
 Music 123 ----- Music Appreciation Materials for Public School Use  
 Government 163 ----- Public Personnel Administration  
 Psychology 145 ----- Social Psychology  
 Sociology 148 ----- Juvenile Delinquency  
 Psychology 170 ----- Psychology of Marriage and Family Relationships

## DIVISION OF SOCIAL SCIENCE

Raymond A. Rydell, Ph.D., Chairman of the Division

### ANTHROPOLOGY

\_\_\_\_\_, Assistant Professor of Anthropology

### GEOGRAPHY

Harry P. Bailey, Ph.D., Associate Professor of Geography (Department Head)

Harold H. Aschmann, M.A., Assistant Professor of Geography

Robert W. Durrenberger, M.S., Assistant Professor of Geography

Midori Nishi, M.A., Assistant Professor of Geography

### GOVERNMENT

Elliott W. Guild, Ph.D., Professor of Government (Department Head)

Thompson Black, Jr., M.A., Assistant Professor of Government

Ake Sandler, Ph.D., Assistant Professor of Government

Tully E. Warren, Ph.D., Assistant Professor of Government

### HISTORY

Chester R. Milham, Ph.D., Professor of History

Robert C. Catren, Ph.D., Associate Professor of History (Department Head)

Raymond A. Rydell, Ph.D., Associate Professor of History

Louis DeArmond, Ph.D., Assistant Professor of History

Howard A. Fleming, B.A., Assistant Professor of History

Emmett A. Greenwalt, Ph.D., Assistant Professor of History

Lorentz I. Hansen, Ph.D., Assistant Professor of History

Carter G. Jefferis, Ph.D., Assistant Professor of History

Leonard G. Mathy, Ph.D., Associate Professor of Economics

### PHILOSOPHY

James B. Wilson, Ph.D., Associate Professor of Philosophy and Sociology

### PSYCHOLOGY

Morton J. Renshaw, Ph.D., Professor of Psychology

Howard E. Wilkening, Ph.D., Professor of Psychology (Department Head)

Donald P. Wilson, Ph.D., Professor of Psychology (on leave)

Solomon Diamond, Ph.D., Associate Professor of Psychology

Raymond E. Bernberg, Ph.D., Assistant Professor of Psychology

Joseph Grosslight, Ph.D., Assistant Professor of Psychology

Roland D. Hutchinson, M.A., Instructor in Psychology

Douglas Haygood, Ph.D., Lecturer in Psychology

### SOCIOLOGY

Richard O. Nahrendorf, Ph.D., Associate Professor of Sociology

Esther Penchef, Ph.D., Associate Professor of Sociology

Karl M. Wallace, Ph.D., Associate Professor of Sociology (Department Head)

James B. Wilson, Ph.D., Associate Professor of Philosophy and Sociology

Harold T. Diehl, Ph.D., Assistant Professor of Sociology

Joseph B. Ford, Ph.D., Assistant Professor of Sociology

### GENERAL INFORMATION

The Division offers courses and programs of study on the upper division and graduate levels only. Students must have reached junior standing and met specific course prerequisites to become eligible for enrollment. Lower division preparation of recognized academic character in a junior college such as Los Angeles City College or in a regular college or university is relied upon for much of the necessary broad background in general education and at least partial satisfaction of state requirements for



the bachelor of arts degree. First-year and second-year students who intend to complete their work in the social sciences at Los Angeles State College must follow the lower division requirements as planned in this catalogue or hazard delay in their work for a degree or credential.

Student advising is an integral part of the major and minor programs; it is especially stressed upon this campus, to which students of necessity must transfer from other institutions. When entering upon any course of study offered by the Division, the student is assigned to a faculty adviser for guidance to his professional or cultural objective. Students are strongly urged to consummate this relationship by seeking and following the recommendations of their adviser throughout their college career.

#### **Graduate Study**

The master's degree is not offered in Los Angeles State College, but a limited graduate program is established in the several social science fields to enrich the social studies major for the general secondary credential and to introduce nonteaching-major students to advanced work in their special fields. Students with a bachelor's degree and superior academic performance in the field of study may, with approval, register for graduate courses.

#### **Work-Study and Government Internship Programs**

Opportunities for participation in the Work-Study program are available in those departments in the Division of Social Science which have a course numbered 198, *Field Assignment and Reports*. The student will work in the chosen applied field under the joint supervision of the department concerned and the appropriate Work-Study Coordinator. Applicants planning to become technical specialists should major in the field of their specialty—e.g., geographers, psychologists, social workers, and sociologists. Those planning for administrative positions in government should major in Government.

#### **DEPARTMENTS AND CURRICULA**

The several departments of the Division, with their programs of study and course offerings, are arranged below alphabetically. The majors fall into three patterns which are designated Plans I, II, or III. *Plan I is the professional teaching program; the division offers this plan only in the social studies major for the general secondary credential.* Plan II is the flexible applied arts and professional program; it is offered in most fields, and covers a wide variety of professional and vocational interests. Plan III is the academic program; students planning to continue their studies in universities to higher degrees or who desire a broad cultural background should choose the Plan III subject major of their interest.

# ANTHROPOLOGY

## AIMS

A major in anthropology is not offered.

The anthropology minor is designed to provide instruction in the range of recorded social behavior found in human cultures, with emphasis upon the cultures of nonliterate peoples. The work is primarily in the field of cultural and social anthropology.

*Adviser:* Dr. Wallace.

## REQUIREMENTS FOR A MINOR IN ANTHROPOLOGY

Fifteen units, at least nine of which must be in upper division courses approved by a departmental adviser.

## COURSES OF INSTRUCTION

Prerequisite for all upper division courses: General Anthropology or consent of the instructor.

### 101. Culture Areas of the World (3) I

*Ethnology:* The nature of culture-historical studies; survey of principal culture types and their distribution in the world; discussion of ethnological problems.

### 104. Cultural Anthropology (3) I, II (See Sociology 104)

Studies in the development of human traditions. The nature of culture, and its relationship to human physical types, to environment, and to individual differences. Comparative analysis of family structure and kinship systems, economic, political, and religious concepts and organizations. The ways of cultural change. (Formerly Sociology 115.)

### 106. Archeology of North America (3) I

Problems and methods in investigating the history of North American peoples before European discovery. Prehistoric culture areas; their relationship with historic Indians.

### 107. The North American Indian (3) II

Origins, modes of subsistence, social organization, and geographic and historical relationships of the Indians of North America. Consideration of the results of European conquest and of the present condition of the several tribes. (Formerly Sociology 117.)

### 126. Culture and Personality (3) II

The relationship between individual personality development and the cultural milieu. Recent work in the coordination of psychodynamics and the social sciences. Special attention will be given to studies of child training and culture patterns in several Non-Western cultures. (Formerly Sociology 113.)

### 138. Peoples of Africa (3) I

The aboriginal cultures and contemporary conditions of Negroid Africa. Prehistoric times, relations with Europe and Asia, and the effects of colonization upon the native population. (Formerly Sociology 118.)

### 139. Negro Peoples of the Americas (3) II

The social organizations and cultures of major Negro groups in North, Central, and South America. Trends toward assimilation, accommodation, isolation, and resistance. The question of African elements in New World cultures.

### 147. Peoples of the Pacific (3) II

The aboriginal civilizations of Malaysia and the Pacific islands before and during modern European contact.

### 197. Independent Study (variable credit) I, II

Prerequisite: Senior or graduate standing and consent of the Chairman of the Division. Individual conferences and advanced reading assignments or projects in selected anthropological fields.

## ECONOMICS

(See Division of Business and Economics)



## GEOGRAPHY

### AIMS

The major in geography is a combination of Plans II and III. It is designed for students with either of these main interests:

1. Professional: Preparation for vocational or graduate work in geography, looking toward appointment as a career geographer or as an instructor on the college level.
2. Cultural: To gain a broad understanding of the world and its people.

*Advisers:* Messrs. Bailey, Aschmann, Durrenberger, and Nishi.

### REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

#### *Lower Division*—Preparation for the major

Geography 1, 2. Elements of Geography <i>or</i> .....	6 units
Geography 5. Economic Geography .....	
Geography 3. Introduction to Weather and Climate .....	3 units
Geography 6. Map Reading and Interpretation .....	2 units
Anthropology 1, 2. General Anthropology <i>or</i> .....	6 units
Geology 1, 2. Introductory Geology .....	
Other units needed to meet the requirements for upper division standing (see General Requirements, p. 30) .....	43 units
	60 units

#### *Upper Division*

Geography 105. Cartography .....	3 units
Geography 115. Physical Geography .....	3 units
Geography 141. World Resources .....	3 units
Geography 161. Conservation of Natural Resources .....	3 units
Select six units from:	
Geography 109. Geography of the Pacific Area .....	
Geography 121. Geography of Anglo America .....	
Geography 122. Geography of Latin America .....	
Geography 123. Geography of Europe .....	
Geography 124. Geography of Asia .....	
Geography 131. Geography of California .....	6 units
Other electives in Geography .....	9 units
Other courses necessary to meet the requirements for the B.A. degree (see General Requirements, p. 30) .....	37 units
	64 units

*Recommended:* A minor in a social science, a natural science, or both.

### REQUIREMENTS FOR A MINOR IN GEOGRAPHY

Fifteen units, nine of which at least must be in upper division courses approved by a departmental adviser.

### COURSES OF INSTRUCTION

*NOTE:* *Natural Science credit is given only for Geography 102, 110, 115, and 161. All other courses in Geography are classified as Social Science.*

Prerequisites: Unless otherwise specified, Geography 1 and 2, or 4 and 5, or Geography 101, are required for entrance to all upper division courses. Consent of the instructor may serve in lieu of course requirements, under exceptional circumstances.

#### 101. Survey of the Modern World (3) I, II

A survey of the chief physical and cultural features of the modern world. Emphasis is given to the location of subjects under study, many of which are of economic importance. This course is intended primarily for candidates for teaching credentials.

102. **Geomorphology (3) I, II (See Natural Science, Geography)**  
 Identification and study of the surface features of the earth and their meaning.
105. **Cartography (3) II**  
 Prerequisite: Admission only by consent of the instructor. Practice in the drawing of maps and other graphic devices. Lecture one hour, laboratory four hours.
109. **Geography of the Pacific Area (3) I, II**  
 Regional examination of the physical and cultural features of eastern Asia, Oceania, and the west coasts of the Americas; major stress upon geographic factors influencing contemporary events.
110. **Climatology (3) I, II (See Natural Science, Geography)**  
 Prerequisite: Geography 3 is recommended. The major climatic types of the earth, including their significance in the landscape and to man.
115. **Physical Geography (3) I (See Natural Science, Geography)**  
 The natural features of the landscape, with emphasis on climate, landforms, and plant life.
121. **Geography of Anglo-America (3) I, II**  
 Analysis of the chief regions of human use of the United States, Canada, and Alaska.
122. **Geography of Latin America (3) I, II**  
 Consideration of the development and character of the countries of Latin America.
123. **Geography of Europe (3) I**  
 Examination of the face of Europe and the Soviet Union, with emphasis on geographic factors important in European problems.
124. **Geography of Asia (3) I**  
 Survey of the chief geographic facts of China-Japan, India, and South-eastern Asia.
131. **Geography of California (3) I, II**  
 A regional study of California, including consideration of settlement and utilization of resources as topics of major interest.
141. **World Resources (3) I, II**  
 A study of the distribution and utilization of the various mineral, animal, and vegetable resources of the world.
161. **Conservation of Natural Resources (3) I, II (See Natural Science, Geography)**  
 The principles of conservation and their application in the United States.
181. **Political Geography (3) II**  
 Geographic factors which enter into the administration of larger political units, such as nations or their major components, with consideration of selected political situations.
197. **Independent Study (Variable credit) I, II**  
 Prerequisite: Senior or graduate standing and consent of the Chairman of the Division. Individual conferences and advanced reading assignment or projects in selected geographical fields.
- 198A-B-C-D. **Field Assignment and Reports (1-4) I, II**  
 Prerequisite: Active, approved employment under the Work-Study program. Analysis and reports of the student's performance; regular group meetings.



## GRADUATE COURSES

Minimum prerequisites: A bachelor's degree, superior academic performance, and specific permission.

**270. Studies in the Nature of Geography (3)**

A seminar in the history, objectives, and methods of geography.

**271. Studies in Regional Geography (3)**

A seminar in the source material, methods of compilation, analysis, and presentation of regional studies in geography, as indicated by a completed study on the part of the student.

## GOVERNMENT

### AIMS

The majors in Government combine the objectives of Plans II and III; they are designed to serve students who are primarily interested in one or more of the following:

1. Preprofessional and professional training for entrance into government service as a career, on the federal, state, or local government levels, or for positions on the research or administrative staffs of quasi-public or endowed foundations.
2. Foundational training for entrance into a graduate school of law.
3. Foundational training for careers in the field of International Relations—diplomatic service, staff of the United Nations, etc.
4. Preparation for graduate work leading to an advanced degree in Government, Public Administration, or International Relations.

### REQUIREMENTS FOR A MAJOR IN GOVERNMENT

#### *Lower Division—Preparation for the major*

Preparation is the same for each of the foregoing types of majors except that a student majoring in the International Relations field is recommended to have, in addition, 8 units or equivalent knowledge in one foreign language (viz., French, German, Spanish, or Russian).

Political Science 1, 2—Introduction to Government.....	6 units
(Recommended for International Relations field—foreign language...)	8 units
Elective units from Social Sciences.....	6 units
Other units needed to meet the requirement for upper division standing (see General Requirements, p. 30).....	48 units
(Recommended for International Relations field.....)	40 units
	60 units

#### *Upper Division*

##### *Option 1: Government Career: Adviser, Dr. Guild*

Select six units from the following:

Government 103. State and Local Government.....	3 units
Government 104. Municipal Government.....	3 units
Government 105. American Federal Government.....	3 units
Government 114. Public Opinion and Lobbies.....	6 units
Government 117. Government Controls in the American Economy.....	3 units
Government 160. Principles of Public Administration.....	3 units
Select nine units from courses numbered above Government 160.....	9 units
Sociology 163. Elementary Statistical Methods.....	3 units
	24 units

Other courses necessary to meet requirements for the B.A. Degree (see General Requirements, p. 30).....	40 units
	64 units

*Recommended minors: History; Economics; Psychology; Sociology.*

##### *Option 2: Prelegal: Adviser, Mr. Black*

Government 103. State and Local Government.....	3 units
Government 105. American Federal Government.....	3 units
Government 112. Political Theory or Government 113. American Political Thought.....	3 units
Government 117. Government Controls in the American Economy.....	3 units
Government 157. Constitutional Law.....	3 units
Government 158. The Anglo-American Legal System.....	3 units
Government 160. Principles of Public Administration.....	3 units
Government 176. Administrative Law.....	3 units
	24 units

Other courses necessary to meet the requirements for the B.A. Degree (see General Requirements, p. 30).....	40 units
	64 units

*Recommended minors: Same as for Major No. 1.*



<b>Option 3. Foreign Service:</b> Adviser, Dr. Sandler	
Government 105. American Federal Government .....	3 units
Government 125. United States Foreign Policy .....	3 units
Government 126. International Law .....	3 units
Government 127. International Relations .....	3 units
Government 128. International Organization .....	3 units
Government 150A-B. Comparative Government .....	6 units
Government 151. Governments of Latin America <i>or</i>	
Government 152. Asiatic Governments .....	3 units
(Recommended: one upper division course in the foreign language begun in lower division .....	3 units)
Other courses necessary to meet the requirements for the B.A. Degree (see General Requirements, p. 30) .....	37-40 units
	64 units
<i>Recommended minors:</i> History ; Geography ; Economics ; Foreign Language.	

<b>Option 4. Pregraduate Study:</b> Adviser, Dr. Warren	
Government 103. State and Local Government .....	3 units
Government 105. American Federal Government .....	3 units
Government 112. Political Theory <i>or</i>	
Government 113. American Political Thought .....	3 units
Government 118. American Political Parties and Politics .....	3 units
Government 127. International Relations .....	3 units
Select three units from the following:	
Government 150 A. Comparative Government	
Government 150 B. Comparative Government	
Government 151. Governments of Latin America	
Government 152. Asiatic Governments .....	3 units
Government 160. Principles of Public Administration .....	3 units
Government 157. Constitutional Law <i>or</i>	
Government 176. Administrative Law .....	3 units
Other courses necessary to meet the requirements for the B.A. Degree (see General Requirements, p. 30) .....	40 units
	64 units
<i>Recommended Minors:</i> Same as for Major No. 1	

*Additional Recommendations:*

- (a) Sociology 163. Elementary Statistical Methods..... 3 units  
 (b) Not fewer than eight lower division units in a foreign language  
 acceptable for an advanced degree.

*Important:* Students who elect one of the majors in Government must plan their program as soon as they enter Los Angeles State College according to the recommendations of the departmental adviser responsible for that option.

**REQUIREMENTS FOR A MINOR IN GOVERNMENT**

Fifteen units, of which at least nine must be in upper division courses approved by a departmental adviser.

**COURSES OF INSTRUCTION**

Prerequisites: The general prerequisite for all courses is one year of lower division political science or consent of the instructor; exception: no prerequisite for Government 101.

**\*101. American Institutions (2) I, II**

History and development of the American constitutional system and the ideals upon which it is based. This course is designed specifically to satisfy the United States Constitution requirement.

**103. State and Local Government (3) I, II**

The structures, functioning, and relationships of state, county, and local governments, with special reference to California.

\* Designates a course which satisfies the United States Constitution requirement.

104. **Municipal Government (3) II**  
The modern municipality in the United States and its relationships to other governmental units. Home rule; the city manager movement; municipal corporations; administrative districts; the concept of metropolitan government.
- \*105. **American Federal Government (3) I, II**  
The policy making and administrative structures and operations of the Federal Government. Make-up of Congress; the electoral college; committee composition. Executive departments and agencies; regulatory commissions; government corporations.
112. **Political Theory (3) I**  
Survey of socio-political thought from the time of Plato to the present, with emphasis upon modern contributions.
113. **American Political Thought (3) II**  
Examination of political thinking in America from colonial times to contemporary United States; particular attention to political doctrines and ideals as expressed in political addresses and constitutional decisions.
114. **Public Opinion and Lobbies (3) I**  
Tactics and aims of pressure groups, particularly lobbies, in the influencing of American public sentiment. Political significance of public opinion polls.
117. **Government Controls in the American Economy (3) II**  
The role of government in such fields as anti-trust prosecution, fair trade practice enforcement, farm price supports, mortgage insurance, etc. Rise of regulatory commissions; administrative courts; licensing authorities; vocational and professional standards; inspection and permit services. Changing government concepts of the public interest and public welfare.
118. **American Political Parties and Politics (3) I**  
The rise of American political parties, including third parties; party structure, operation, and control, with emphasis on political leadership.
125. **United States Foreign Policy (3) I, II**  
Development of the theory and practice of American foreign policy, with emphasis on contemporary problems and procedures.
126. **International Law (3) II**  
Progress and status of the law of nations; international adjudication; principles of national sovereignty; international agreements.
127. **International Relations (3) I**  
The forces and motives influencing international politics and policies, with special attention to the United Nations and its current problems.
128. **International Organization (3) I**  
Development of international organizations, historical and contemporary, with accent on the two major attempts in the twentieth century to achieve collective security and to prevent war.
- 150A-B. **Comparative Government (3-3) Year course**  
A two-semester survey. 150A: An analytical study of the political institutions, problems, and trends in the United Kingdom, Russia and her satellites, Switzerland, and the Scandinavian countries. 150B: A similar study of France, Italy, Spain, Portugal, the Netherlands, and Belgium. Begins either semester.
151. **Governments of Latin America (3) I**  
Political concepts, structures, and trends in the governments of Mexico, Brazil, Argentina, Chile, and others selected for study by the instructor.
152. **Asiatic Governments (3) II**  
Analyses of the political institutions and problems of China, India, Japan, Indonesia, and the Philippines.

\* Designates a course which satisfies the United States Constitution requirement.



**\*157. Constitutional Law (3) I**

Basic principles of American constitutional law, and the role of the United States Supreme Court in our political and social development.

**158. The Anglo-American Legal System (3) I**

Development of our legal system from Anglo-Saxon and Roman roots to a case system of law and equity based on English and American Common Law, including political, social, and religious changes which are reflected in the law.

**160. Principles of Public Administration (3) I, II**

Analysis of the executive function in government; survey of the principles of administrative organization, personnel management, financial administration, administrative law, public relations. Problems and trends in government as a career.

**163. Public Personnel Administration (3) I**

Growth of the merit system concept and development of the civil service; recruitment procedures and examinations; position classifications; salary structures; retirement plans; in-service training; supervision; employee organizations.

**165. Principles of Employee Supervision (3) II**

Prerequisite: Consent of the instructor. A series of discussions on government employee situations and problems from the point of view of the lower-level supervisor.

**166. Public Financial Administration (3) II**

Principles of governmental accounting and financial controls; budgeting; capital outlays; treasury functions; governmental purchasing; assessment practices; financial reporting.

**168. Public Welfare Administration (3) II**

The internal administration of government programs such as social security, child care, corrections, pensions. Operation of the grant-in-aid principle. Inter-agency relationships; problems of field coordination.

**170. Public Relations in Government (3) I**

Sound principles and effective media in informing the public on governmental services and programs. Public relations as a staff function. Press relations; public contacts; the role of "public service features."

**171. Governmental Report Writing (2) II**

Preparation of effective government reports; principles in the composition of letters, memoranda, directives, research reports and recommendations; progress reports; improvement of phraseology in government communications.

**172. Organization and Methods Analysis (3) I Offered alternate years**

Special studies in governmental office and agency operations; organizational charting; work simplification; space and equipment layouts; preparation of administrative and procedure manuals; form requirements. Problems of control, delegation, and coordination.

**173. Government and Urban Housing (3) II Offered alternate years**

The changing functions and policies of various levels of government in relation to housing. Agency programs concerned with subdivision regulations, mortgage insurance, cooperative housing, slum clearance, redevelopment, prefabrication. Influences of government on the construction industry, real estate market, mortgage practices, and neighborhood improvement.

**174. Introduction to City Planning (3) I**

Functions and administrative structures of city and regional planning departments. Composition and requisites of planning staffs. Zoning; master planning; urban redevelopment. Economic, legal, aesthetic, and social considerations in program formulation and execution.

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\* Designates a course which satisfies the United States Constitution requirement.

## 176. Administrative Law (3) II

Growth of regulatory commissions; processes in administrative adjudication; duties and liability of public officers; appeal procedures; trends in regulation.

## 197. Independent Study (Variable credit) I, II

Prerequisite: Senior or graduate standing and consent of the Chairman of the Division. Individual conferences and advanced reading assignments or projects in selected government fields.

## 198A-B-C-D. Field Assignment and Reports (1-4) I, II

Prerequisite: Active, approved employment under the Government Internships program. Analysis and reports of the student's performance; regular group meetings.

## GRADUATE COURSES

Minimum prerequisites: A bachelor's degree, superior academic performance, and specific permission.

## 265. Political Dynamics (3)

## 266. Advanced Political Theory (3)

## 267. Metropolitan Government (3)

## 268. Organizational Structures and Methods of Administration (3)

## 269. Philosophy of Law and Legislation (3)

## 270. Advanced Studies in Public Administration (3)

## 271. Advanced Studies in International Relations (3)



## HISTORY

### AIMS

The history major may be undertaken to attain professional, academic, or cultural objectives; its program of study combines the purposes of Plans II and III. The objectives include:

1. Proficiency in historical method and historical information in preparation for appointment as specialists in government, in business, and in certain cultural institutions.
2. Preparation for graduate work and advanced degrees in history at other institutions.
3. Cultural: Appreciation of the past and better understanding of the present.

*Advisers:* Messrs. Rydell, Catren, DeArmond, Fleming, Greenwalt, Hansen, and Jefferis.

### REQUIREMENTS FOR A MAJOR IN HISTORY

#### *Lower Division—Preparation for the major*

History 11, 12—History of the United States <i>or</i> History 5, 6—History of the Americas	6 units
History 1, 2—History of Western Europe <i>or</i> History 3, 4—History of England	6 units
Elective units from Social Science	6 units
Other units needed to meet the requirement for upper division standing. (See General Requirements, p. 30)	42 units
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	60 units

#### *Upper Division*

An approved combination in Old World History Choices are: 111A-B; 121A-B; 145, 146; 146, 147; 146, 148; 147, 148; 147, 149; 148, 149; 148, 158; 153A-B; 191A-B	6 units
An approved combination in New World History Choices are: 159, 166; 162A-B; 172, 173; 173, 174; 174, 175; 174, 178; 175, 178; 175, 179; 177 and any course in the 170 or 180 groups; 178, 179; 178, 181; 181, 188; 181, 190; 188, 190	6 units
History 199 to be taken in the senior year	3 units
History electives	9 units
Select six of the nine units from related courses in following fields: Anthropology, Economics, Geography, Government, Philosophy, Sociology	
A national literature (e.g. English Literature)	6 units
Other courses necessary to meet the requirements for the B.A. Degree	34 units
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	64 units

(See General Requirements, p. 30)

### REQUIREMENTS FOR A MINOR IN HISTORY

Fifteen units, of which at least nine must be in upper division courses approved by a departmental adviser.

### COURSES OF INSTRUCTION

Prerequisites: Upper division standing and one year of college history, or consent of the instructor. Exceptions: no prerequisite for History 130 and History 175.

#### 111A-B. The Ancient Mediterranean World (3-3) Year course

A historical survey of the ancient Mediterranean world from earliest times to the reign of Constantine; main attention to the Greeks and Romans. Begins either semester.

**121A-B. The Middle Ages (3-3) Year course**

Europe from the fall of the Roman Empire to the fifteenth century, with emphasis upon cultural, social, and economic contributions to the modern era. Begins either semester.

**130A-B-C-D. Great Personalities (2-2-2-2)**

Biographical study of history through examination of the careers of representative men and women. No prerequisites: the sections of this course stand independently and are divided regionally.

- A. Latin America (fall, 1952)
- B. Europe (spring, 1953)
- C. United States (fall, 1951)
- D. Asia (spring, 1952)

**145. Europe: From the Renaissance to Waterloo (3) I**

Survey of Europe from the close of the medieval period to the opening of the nineteenth century; politics, society, and institutions.

**146. Europe: The Nineteenth Century (3) II**

The hundred years from the end of the Napoleonic wars to the outbreak of World War I, with emphasis upon nationalism, international rivalries, and economic changes.

**147. Europe: The Twentieth Century (3) I, II**

The course of Europe in recent times; political, military, economic, and social developments from the inception of World War I to yesterday.

**148. Economic History of Europe (3) I, II (See Economics 172)**

Examination of the economic development of Europe in modern times, with special attention to the Industrial Revolution and its effect. Note: Credit will not be given for both this course and Economics 172.

**149. Russia and the Balkans (3) II**

Russia, Poland, and the Balkan countries; their internal and international history in the nineteenth and twentieth centuries, emphasizing Soviet Russia in international politics.

**153A-B. Great Britain in Modern Times (3-3) Year course**

Main currents in the stream of British history from Norman times to the present day. Particular attention to the modern period and to cultural and social matters. Begins either semester.

**158. The British Empire (3) I**

Political and economic development of the British Empire since the late eighteenth century, with major consideration given to the expansion of the colonial empire and the evolution of the modern empire-commonwealth.

**159. Canada (3) II**

Historical survey of the growth of Canada from French colony to contemporary British Dominion. Treatment both as a part of the British Empire and as one of the Americas.

**162A-B. Latin America (3-3) Year course**

History of the Americas south of the United States from earliest times to the present. The first semester covers the colonial period; the second semester deals with the years since the achievement of independence. Begins either semester.

**166. Mexico (3) II**

The course of the Mexican people and nation since the day of the Aztecs; particular attention to social and cultural matters and to the more recent national period.



**\*172. The United States: The Colonial Period (3) I**

History of the Thirteen Colonies from their European origins to the completion of American independence. Emphasis placed upon colonial life and problems, the Revolution, and the early national period.

**\*173. The United States: The Nineteenth Century (3) I, II**

The evolution of the American people and nation from Jefferson's administration to the war with Spain. Main topics include sectionalism, Civil War and reconstruction, and industrialization.

**\*174. The United States: The Twentieth Century (3) I, II**

Political, economic, and social history of the United States in recent years; the Progressive Era, World War I, the "twenties," the New Deal, World War II, and postwar United States.

**\*175. Economic History of the United States (3) I, II (See Economics 171)**

Historical survey of American economic development to the present, particularly industrialization and national legislation in the fields of industry and commerce. Credit will not be given for both this course and Economics 171.

**\*177. Social History of the United States (3) II**

The development of America's social and cultural structure; the relationships and contributions to that structure brought about by changes in religions, education, music, art, drama, and architecture.

**\*178. Diplomatic History of the United States (3) I, II**

Historical analysis of the foreign relations of the United States from colonial backgrounds to the contemporary scene, with special attention to recent diplomatic problems.

**\*179. Constitutional History of the United States (3) II**

Prerequisite: Six units of American History, or six units of Government, and consent of instructor. The Federal Constitution from the historical point of view. Major considerations are: the Constitutional Convention, and constitutional controversies and changes since John Marshall. This course satisfies BOTH the "American History" and the "Constitution of the United States" requirements.

**\*181. The Westward Movement and the West (3) I, II**

Study of the advance and characteristics of the American frontier from colonial times through the nineteenth century and the development of the West in the past half century.

**188. California (3) I, II**

The political, economic, social, and intellectual history of California from Spanish times to the present, with emphasis upon current characteristics, problems, and trends.

**190. The Pacific Area (3) I, II**

Synthesis of the historical development of eastern Asia, Oceania, and the American lands bordering the Pacific; analysis of the impact of the West upon the East, with special attention to the role of the United States and to contemporary problems of the Pacific.

**191A-B. The Far East (3-3) Year course**

Survey of China, Japan, and the Indies from ancient to recent times, Oriental culture, political and social developments, Westernization, current trends, international politics. Begins either semester.

**195. Africa (3) I**

A history of modern Africa with special emphasis upon twentieth century national, political, and commercial developments in West Africa.

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\* Designates a course which satisfies the American History requirement.

**197. Independent Study (Variable credit) I, II**

Prerequisite: Senior or graduate standing and permission of the Chairman of the Division. Individual conferences and advanced reading assignments or projects in selected historical fields. (Formerly History 198.)

**199. Historiography and Special Studies (3) I, II**

Senior course: *required* of all history majors. An introduction to historical method. This course will prepare the student for graduate seminar work in history; its utilization of historical method and bibliography will serve also to equip the history major for certain specialized positions in business, government, and cultural institutions.

**GRADUATE COURSES**

Minimum prerequisites: A bachelor's degree, superior academic performance, and specific permission.

**201. Historiography and Bibliography (3)****271. Studies in the American West (3)****276. American Reform Movements and Reformers (3)****280. Studies in Modern European History (3)**



## PHILOSOPHY

### AIMS

A major in philosophy is not offered.

The minor in philosophy undertakes to present to interested students the social background, the concepts, and the ethics of philosophical and religious thought. The courses are a part of the general education program of state college.

*Adviser:* Dr. James Wilson.

### REQUIREMENTS FOR A MINOR IN PHILOSOPHY

Fifteen units of which at least nine must be in upper division courses approved by a departmental adviser.

### COURSES OF INSTRUCTION

General prerequisite: Consent of instructor.

#### 104. Ethics (3) I

The historical and scientific backgrounds of morality. Theories of the highest good. Ethical ideals of some of the world's major religions. Problems of personal and social morality.

#### 110. Types and Problems (3) I, II

An examination of the basic types of philosophy such as materialism, naturalism, idealism, pragmatism, and realism. Considerable attention is given to certain major problems, including the following: Space-time and relativity, the relationship of science to philosophy, human freedom, the nature of knowledge, ethics, aesthetics, belief in God, and the implications of philosophy for the contemporary social scene.

#### 138. Comparative Religions (3) II

A comparative study of the world's living religions: Buddhism, Confucianism, Judaism, Christianity, Islamism, and others. Special attention is devoted to their concept of deity, the immortality of the soul, methods of salvation, and the influence of environment and culture upon those beliefs.

## PSYCHOLOGY

### AIMS

The major in psychology, consisting of 30 units of upper division courses, combines the objectives of Plans II and III; it prepares students for graduate professional training as psychologists while offering some opportunity for specialized training in such areas as counseling, Option 1, and industrial psychology, Option 2. For those who do not have a specified vocational objective in psychology, a freer choice of electives is possible in Option 3. No Plan I teaching program is offered, but courses are applicable to the credential requirements for school psychometrist; consult the Division of Education for specifics.

### REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

#### *Lower Division—Preparation for the major*

Psychology 21 Introduction to Psychology -----	3 units
Psychology 22 Elementary Physiological Psychology <i>or</i> Psychology 23 Personal and Social Adjustment -----	3 units
* Other units needed to meet the requirement for upper division standing (see General Requirements, p. 30) -----	54 units
	60 units

#### *Upper Division*

##### A. Core requirements

Psychology 114 Laboratory Psychology -----	3 units
Psychology 120A Elementary Statistical Methods -----	3 units
Psychology 126B Contemporary Schools of Psychology -----	3 units
Psychology 127B Psychological Testing (individual) -----	3 units
	12 units

##### B. 18 units selected from Options 1, or 2, or 3, with consent of adviser

###### Option 1: Industrial Psychology: *Adviser, Dr. Bernberg*

Psychology 120B Statistical Methods in Psychology -----	3 units
Psychology 127A Psychological Testing (Group) -----	3 units
Psychology 144 Attitudes and Opinion Measurement -----	3 units
Psychology 145 Social Psychology -----	3 units
Psychology 156 Industrial Psychology -----	3 units
Psychology 160 Counseling and Interviewing -----	3 units
Psychology 180 Psychology of Advertising and Selling -----	3 units
Psychology 181 Employment and Personnel Psychology -----	3 units
Psychology 198 Field Assignment and Reports -----	1-4 units
Psychology 199 Individual Research -----	1-4 units

Other courses necessary to meet the requirements for the B.A.  
degree (see General Requirements, p. 30) ----- 34 units

64 units

\* *Recommended:* One course from each of the following groups:

1. Algebra, analytic geometry, or mathematics for social and life sciences.
2. Sociology or anthropology.
3. Physics or chemistry.
4. Physiology, zoology, or genetics.



<b>Option 2: Counseling: <i>Advisers</i>, Messrs. Diamond and Wilkening</b>		
Psychology 102	Psychology of the Handicapped .....	2 units
Psychology 110	Abnormal Psychology .....	3 units
Psychology 112	Child Psychology <i>or</i>	
Psychology 113	Psychology of Adolescence .....	3 units
Psychology 116	Physiological Psychology .....	3 units
Psychology 127A	Psychological Testing (Group) .....	3 units
Psychology 130	Psychology of Personality .....	3 units
Psychology 145	Social Psychology .....	3 units
Psychology 154	Survey of Clinical Psychology .....	3 units
Psychology 160	Counseling and Interviewing .....	3 units
Psychology 170	Psychology of Marriage and Family Relations	3 units
Psychology 181	Employment and Personnel Psychology .....	3 units
Psychology 198	Field Assignment and Reports .....	1-4 units
Psychology 199	Individual Research .....	1-4 units
Other courses necessary to meet the requirements for the B.A. degree (see General Requirements, p. 30) .....		34 units
		64 units
<b>Option 3: General: <i>Advisers</i>, Messrs. D. Wilson, Grosslight, and Hutchinson.</b>		
Psychology 110	Abnormal Psychology .....	3 units
Psychology 126A	History of Psychology .....	3 units
Psychology 130	Psychology of Personality .....	3 units
Psychology 144	Attitude and Opinion Measurement .....	3 units
Psychology 145	Social Psychology .....	3 units
Electives in Psychology .....		12 units
Other courses necessary to meet the requirements for the B.A. degree (see General Requirements, p. 30) .....		34 units
		64 units

*Recommended* to accompany major options: A minor in anthropology, business, economics, government, or sociology.

#### REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

Fifteen units at least nine of which must be in upper division courses approved by a departmental adviser.

#### COURSES OF INSTRUCTION

**Prerequisites:** Unless otherwise noted, the prerequisite for all upper division courses is Psychology 21 and 22, or their equivalents, or consent of the instructor.

102. **Psychology of the Handicapped (2) I, II** (See Education 189)  
Credit will not be given for both this course and Education 189.
104. **Psychology and Education of the Exceptional Child (3) I, II**  
(See Education 188)  
Credit will not be given for both this course and Education 188.
106. **Mental Deficiency (3) I, II**  
The nature and causes of mental deficiency; physiological and psychological characteristics. Problems of social control, including education, social adjustment, institutionalization, and community responsibility.
108. **Mental Hygiene (2) I, II**  
Social and emotional adjustment and personality in the light of mental hygiene principles, with special attention to adjustment problems of the college student.
110. **Abnormal Psychology (3) I, II**  
Historical overview of abnormal psychology; criteria of abnormal behavior; symptomatology; disturbing forces in personality formation; and therapeutic considerations.

112. **Child Psychology (3) I, II**  
Developmental trends in infancy and childhood. Study of current literature. Credit will not be given for both this course and Education 102.
113. **Psychology of Adolescence (3) I, II**  
Growth and development during adolescence; psychological aspects of learning; deviations from normal development; political implications for meeting the needs of adolescents.
114. **Laboratory Psychology (3) I, II**  
Prerequisite: Psychology 120A  
Experiments on problems of human learning, remembering, thinking, emotion, intelligence, perception and personality. Basic problems of research—design and experimental techniques emphasized. Laboratory and lectures.
116. **Physiological Psychology (3) I**  
The relationship between integrated behavior and physiological processes. Study of the theories which emphasize the essential continuity of psychology and physiology in behavior and personality.
- 120A. **Elementary Statistical Methods (3) I, II (See Mathematics 113)**
- 120B. **Statistical Methods in Psychology (3) II**  
Prerequisite: Mathematics 113.  
More advanced techniques of correlation, analysis of variance, and factor analysis, as applied to testing procedures and research.
- 126A. **History of Psychology (3) I**  
Consideration of the history of psychology from its beginnings in ancient philosophy and medicine to the end of the nineteenth century.
- 126B. **Contemporary Schools of Psychology (3) II**  
Contemporary psychological theories and systems in their historical perspective and present position.
- 127A. **Psychological Testing (Group) (3) I**  
Prerequisite: Psychology 120A. Selection, administration, and interpretation of commonly used group tests of intelligence, interests, aptitudes, etc.
- 127B. **Psychological Testing (Individual) (3) I, II**  
Prerequisite: Psychology 120A. The concept of intelligence; the most commonly used tests of intelligence; emphasis on practical experience in administering and interpreting individual intelligence tests (especially the Revised Stanford-Binet and the Wechsler scales).
- 127C. **Psychological Testing (Individual Performance Tests) (3) II**  
Practical experience in administering the Grace Arthur, Cornell-Coxe, and other performance and aptitude tests.
- 127D. **Psychological Testing (Applied to the Mentally and Physically Atypical) (3) I**  
Selection, administration, and interpretation of tests used for appraising the atypical individual. Survey of etiological theories and the contemporary trends in therapy.
130. **Psychology of Personality (3) I**  
Biological and cultural determinants of personality; dimensions of personality and their measurement or appraisal; integration of personality as related to adjustment.
142. **Human Communication (3) II**  
Psychological factors involved in the creation and manipulation of symbols. Art and science as forms of communication. Emphasis on social-psychological aspects of mass media of communication—radio and motion pictures. Guest speakers.



**144. Attitude and Opinion Measurement (3) I**

Prerequisite: Psychology 120A. Attitude scales and public opinion surveys. Design of investigation, sampling methods, analysis of results, and applications to various psychological problems. Field work.

**145. Social Psychology (3) II (See Sociology 145)**

Formation of beliefs and attitudes; their operation in relation to social problems of contemporary importance.

Credit will not be given for both this course and Sociology 145.

**150. Criminal Psychology (3) II**

Psychological principles applied to crime and the criminal. Motivation of crime. Analysis of case histories, and use of psychological techniques, such as stress interviews and tests.

**154. Survey of Clinical Psychology (3) I, II**

An elementary course in clinical techniques of psychology which shows how the methods of measuring aptitude and adjustment factors may be applied to the individual case for purposes of diagnosis and clinical counseling.

**156. Industrial Psychology (3) I, II**

Psychological techniques in modern industry; selection, training, and evaluation of employees; morale and promotion; fatigue and safety practices.

**160. Counseling and Interviewing (3) I**

An introduction to the problems and techniques of counseling and interviewing. Presentation of the attitudes and objectives of the counselor and counselee.

**170. Psychology of Marriage and Family Relationships (3) I, II**

Prerequisite: Sociology 103, or consent of the instructor. The ordinary problems of in-laws, money, sex, etc., considered as symptoms of a disordered personality. Emphasis on the psychological insights necessary for adjustment to social and cultural institutions.

**180. Psychology of Advertising and Selling (3) I**

The relative strength of the desires in buying; attention value of form, size, color, and typographical layout and methods of measuring the effectiveness of advertisements; characteristics of salesmen. Practical projects in cooperation with advertising agencies and various sales groups.

**181. Employment and Personnel Psychology (3) I**

Prerequisite: Psychology 120A. The application of psychological principles to the technical problems involved in developing a personnel testing program and in appraising its effectiveness; employment procedures; job success.

**198A-B-C-D. Field Assignment and Reports (1-4) I, II**

Prerequisite: Active, approved employment under the Work-study or Internship program. Analysis and reports of the student's performance; regular group meetings.

**199. Individual Research (1-4) I, II**

Prerequisite: Psychology 120A and consent of the instructor. Practical projects conducted under the supervision of one or more of the staff members. Credit based on amount of work involved in completing project.

**GRADUATE COURSES**

Minimum prerequisites: A bachelor's degree, superior academic performance, and specific permission.

**212. Introduction to Child Psychiatry (1-3)**

Application of principles of psychiatry to behavior disorders in children. Designed primarily for clinicians, social workers, and parent educators.

**227. Psychodiagnostic Testing (3)**

Advanced clinical interpretation of the Revised Stanford-Binet, Wechsler scales (adult and children), and other tests.

**228A-B. Methods of Appraising Personality (3)**

Emphasis is placed upon personality dynamics and the methods (projective tests) used to explore the personality; field work and research. Practice in administering, scoring and interpretation of the Rorschach test. Limited to graduate students. Begins either semester.

**254. Clinical Techniques in Psychology (3)**

Advanced study of tests in clinical diagnosis. The role of the psychologist as a member of the psychiatric team, and the development of clinical techniques and judgment. Psychiatric social workers and psychiatrists as guest lecturers.

**256A-B. Seminar in Industrial Psychology (3)**

Individual projects and field surveys dealing with the formal and informal organization of industry. The various roles of management, organized labor, and other organizations in the complex psychological make-up of modern industry. Begins either semester.

**264. Psychology of Learning (3)**

A consideration of major theoretical systems of learning: Hull, Guthrie, Tolman, Skinner. Emphasis on analysis of experimental literature.

**266. Seminar in Attitude and Opinion Research (3)**

Group and individual projects in attitude measurement and public opinion polling. Methods and techniques in bringing about a mature study of measurement within public and business relations.

**270A-B. Seminar in the Psychodynamics of the Family (3)**

An approach to a deeper understanding of the personality in family patterns through an analysis of case histories. An extended analysis of the interacting personalities that make up the family with emphasis on group interaction and therapy. Begins either semester.

**271. Marital Counseling Workshop (3)**

Actual practice, discussion, and criticism of various counseling techniques and methods used in marital counseling.

**272. Practicum in Marital Counseling (3)**

Opportunities provided through field experiences for analysis, use, and interpretation of methods and materials for marital counseling. Open only for those already working in the field of marital counseling, such as family court psychologists, social workers, psychiatrists, marital counselors, etc.

**275. Marriage Research and Projects (3)**

Reading and reports on the most significant research work in the field of marriage and parent-child relationships. Critical evaluation of such research, and the development of individual research projects and theses.

**277. Psychological Techniques as an Aid to Family Living (3)**

Consideration is given to various audio-visual techniques and to the construction and use of resource units designed primarily for clinicians, social workers, parent educators and teachers.

**298. Special Problems in Psychology (1-4)**

Special problems dealing with various aspects of work-study situations; practical applications of psychological principles to the functionings of clinics, hospitals, industries, and schools. Credit depends upon amount of work completed.



## SOCIAL SCIENCE

### AIMS

This major is *not* intended to qualify students for professional, educational, or vocational objectives. Its purpose is cultural: to provide a general education with main emphasis given to the social sciences. This is a Plan III program.

*Advisers:* Social Science staff.

### REQUIREMENTS FOR A MAJOR IN SOCIAL SCIENCE

#### *Lower Division*—Preparation for the major

Choose from the several social sciences, including introductory courses in government and history	18 units
Other units needed to meet the requirements for upper division standing (see General Requirements, p. 30)	42 units
	<hr/>
	60 units

#### *Upper Division*

Choose from at least four fields in the social sciences with the approval of a departmental adviser	24 units
Other units needed to meet the requirements for the B. A. Degree (see General Requirements, p. 30)	40 units
	<hr/>
	64 units

### REQUIREMENTS FOR THE MINOR IN SOCIAL SCIENCE

Fifteen units, of which at least nine must be in upper division courses approved by a departmental adviser.

### COURSES OF INSTRUCTION

Prerequisites: Completion of two introductory courses in the social sciences.

#### 150. Scientific Method of Applied Logic (3) I, II

Nature and application of logic, in its relations to the social sciences. Special attention is given to the foundation in inductive logic of the methods of scientific inquiry.

### GRADUATE COURSES

Minimum prerequisites: A bachelor's degree, superior academic performance, and specific permission.

#### 169. Contemporary Latin America (3) I, II

Prerequisite: Knowledge of the Spanish language. Lectures and discussions in Spanish and English. Introduction to the contemporary Hispanic world by means of identification of analysis of significant trends and problems. Particular emphasis upon recent economic and social developments in the Southwest.

#### 250A-B. Seminar in Social Science (3-3)

An interdisciplinary approach to selected problems, regions, or trends; directed by the staff of the division. Begins either semester.

#### 272. Major Socio-Political-Economic Movements (3)

*Note:* Most courses in the major and minor are chosen from the other fields in the division.

## SOCIAL STUDIES

### AIMS

The major in Social Studies is a Plan I program; it has been designed specifically for teachers-in-training who have chosen Social Studies as their composite field major for the general secondary credential. Completion of this major will prepare students to teach intelligently the subjects in the several social sciences commonly taught in the junior high and high schools and junior colleges of California.

*Advisers:* Social Science staff.

### REQUIREMENTS FOR THE GENERAL SECONDARY CREDENTIAL WITH A SOCIAL STUDIES MAJOR

#### *Lower Division—Preparation for the major*

Social Science Survey, e.g., Man and Civilization <i>or</i>	
History 1, 2. History of Western Europe.....	6 units
Political Science 1. Introduction to Government <i>or</i>	
Political Science 10. American Political Institutions.....	3 or 2 units
Select 6 units from:	
Anthropology 1, 2. General Anthropology	
Economics 1, 2. Principles of Economics	
Geography 1, 2. Elements of Geography	
Geography 4, 5. Economic Geography	
History 5, 6. History of the Americas	
History 10. History of the United States <i>or</i>	
History 11, 12. History of the United States	
Sociology 1, 2. Introductory Sociology.....	6 units
Other units needed to meet the requirement for upper division standing (see General Requirements, p. 30).....	45 to 46 units

#### *Upper Division and Graduate*

(Six units to be taken in the fifth year)	60 units
Anthropology electives.....	3 units
Economics 101. Introduction to Economic Analysis.....	3 units
History (European), from courses in 140 or 150 groups.....	3 units
History (United States), from courses in 170 or 180 groups.....	6 units
Government 103, <i>or</i> 104, <i>or</i> 105, <i>or</i> 118.....	3 units
Government 125, <i>or</i> 126, <i>or</i> 127, <i>or</i> 128.....	3 units
Geography 101, <i>or</i> 121, <i>or</i> 123, <i>or</i> 124, <i>or</i> 141, <i>or</i> 181.....	6 units
Sociology 102 <i>or</i> 145, <i>or</i> Psychology 145.....	3 units
Graduate ("200") courses chosen from the several social sciences.....	6 units
Other courses necessary to complete requirements for the General Secondary Credential (see also general secondary credential, p. 75).....	59 units
	94 units
Total units required (including graduate year).....	154 units

### REQUIREMENTS FOR THE SOCIAL STUDIES MINOR WITH THE GENERAL SECONDARY CREDENTIAL

#### *Lower Division—Preparation for the minor*

Social Science Survey, e.g., Man and Civilization <i>or</i>	
History 1, 2. History of Western Europe.....	6 units
History 10, 11, <i>or</i> 12. History of the United States.....	2 or 3 units
Political Science 10. American Political Institution <i>or</i>	
Political Science 1, 2. Introduction to Government.....	2 or 3 units

#### *Upper Division*

Choose <i>twelve</i> units from four fields including United States History:	
Anthropology electives.....	3 units
Economics 101. Introduction to Economic Analysis.....	3 units
Geography 101, <i>or</i> 121, <i>or</i> 181.....	3 units
Government 103, <i>or</i> 104, <i>or</i> 105, <i>or</i> 118.....	3 units
History (United States), from courses in 170 or 180 groups.....	3 units
Sociology 102 <i>or</i> 145, <i>or</i> Psychology 145.....	3 units

22 to 24 units



## SOCIOLOGY

### AIMS

The Sociology major combines Plans II and III and is adapted to meet the needs of students who have one or more of these objectives in mind :

1. Completion of the bachelor's degree in sociology with concentration in the area of social welfare. This phase of the program is developed to meet the needs of the following groups of students :
  - a. Those who wish to take a course program which may lay the basis for employment in public welfare, social security, probation, parole, and other public agencies.
  - b. Those who wish to qualify for positions in social agencies or industry for which graduate professional education is not required.
  - c. Those who are interested in the aspects of sociology and social work, irrespective of the specific vocational objective, as a phase of their general education.
2. Preparation for graduate study toward an advanced degree in Sociology or a certificate or master's degree in social work.

*Important:* The student who chooses Sociology as his major must plan his undergraduate program under the direction of a regular member of the Sociology staff of Los Angeles State College. Each student will be assigned to an adviser at the time of entrance.

*Advisers:* Messrs. Wallace, Nahrendorf, Wilson, Diehl, Ford, Dr. Penchef.

### REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

#### *Lower Division—Preparation for the major*

Sociology 1. Introductory Sociology.....	3 units
Psychology 21. Introduction to Psychology.....	3 units
Economics 1 or 2. Principles of Economics.....	3 units
Philosophy 23. Inductive Logic and Scientific Method.....	3 units
History 10. History of the United States <i>or</i>	
History 12. The United States Since 1867 <i>or</i>	
Political Science 1. Introduction to Government <i>or</i>	
Political Science 10. American Political Institutions.....	2 or 3 units
Other units needed to meet the requirements for upper division standing (see General Requirements, p. 30).....	45 to 46 units
	60 units

#### *Upper Division*

Sociology 164—Elementary Social Statistics.....	3 units
Sociology 167—Development of Sociology.....	3 units
Sociology 199—Introduction to Social Research.....	3 units
Elective units in Sociology.....	9 units
Courses selected and approved by adviser, 6 units of which may be in closely related fields.....	12 units
Other courses necessary to meet the requirements for the B.A. degree (see General Requirements, p. 30).....	34 units
	64 units

### REQUIREMENTS FOR A MINOR IN SOCIOLOGY

Fifteen units in sociology, at least nine of which must be upper division. Either Sociology 167 or Sociology 168 must be included in the minor.

### COURSES OF INSTRUCTION

Prerequisite for all upper division courses: Introduction to Sociology, or consent of instructor.

102. **Social Processes and Concepts (3) I, II**

An interpretation of such social processes as competition, conflict, accommodation, and assimilation, and a clarification of the various sociological concepts. The different fields of sociology are studied from the standpoint of their contributions to present day American life. (Formerly Social Problems.)

103. **Marriage and the Family (3) I, II**

The family as a social institution; evolution of marriage and the family through primitive, ancient, and modern times. Recent social changes affecting the family; the relationship of the family to industry, school, church and state. Love and courtship, mate selection, and marital success; processes of family conflict and family disorganization.

104. **Cultural Anthropology (3) I, II (See Anthropology 104)**  
(Formerly Sociology 115.)110. **Urban Sociology (3) I**

Urbanization from the standpoint of its influence on human behavior. The structure of the modern city and the personal and social disorganization which evolve from the growth of the metropolitan area.

112. **Regional Sociology (3) II**

Ecological factors in society. Particular attention is given to social and cultural regionalism in the United States.

122. **Social Change (3) II**

Changes in technology, ideology, and social organization. Theories of social change and progress. Adjustments within society to social change.

126. **Social Legislation (3) I**

Since, in a dynamic society, all social processes do not change at the same rate, the social legislation process is treated as a compensatory mechanism. The developing pattern of laws relating to family and child welfare, wages, hours, working conditions, social insurance, employment of women, and dependency is studied and referred to the larger cultural body of which it is a part. The steps leading to the enactment of new laws concerning social issues are considered.

145. **Social Psychology (3) I (See Psychology 145)**

Inquiry into group dynamics. Social interaction and its effects upon the individual. Analysis of forms of mass behavior, such as crowds, fashion, public opinion, propaganda, and conflict.

Credit will not be given for both this course and Psychology 145.

146. **Social Control (3) I**

Nature of social controls, and their classification. Means and agencies, with particular attention to institutional controls in law, religion, education, the family and the economy, and to deliberate noninstitutional controls.

147. **Mass Communication and Propaganda (3) II**

Communication in its sociological aspects, with particular attention to mass and crowd behavior. Propaganda in its relationship to social actions and social systems.

148. **Juvenile Delinquency (3) I, II**

Extent and distribution, with emphasis on the local area. Meaning and implications of delinquency. Personal and environmental conditioning factors.

150. **Population Analysis (3) I**

An analysis of the causes and consequences of major population trends throughout the world; of changes in birth and death rates, sex ratio, age distribution, race and nationality composition; marital, educational, and occupational status; religious composition; population density; migration.

155. **Criminology (3) I, II**

Investigation of the conditioning factors in crime. Probation, parole, penal institutions. Changing attitudes and trends.



**156. The Field of Social Work (3) I, II**

A general course designed to familiarize the student with the development of American social work; the diversity, scope and specific programs used in meeting welfare problems in contemporary society.

**158. Community Organization (3) I, II**

The sociological and ecological aspects of community life. The modern community as the product of interacting economic and social processes. The results of particular plans are studied as reflecting the strengths and weaknesses of the social research methods previously applied to the problems with which they are supposed to deal. Social agencies and welfare services in general and in relation to the local situation.

**159. Child Welfare (3) II**

A study of trends affecting the growth and change of the movement toward establishing the rights of the child to care and protection. Emphasis is placed upon the child and the law, compulsory education, school social work, child labor legislation, institutional and foster care for the healthy and sick child, and adoption legislation.

**160. Industrial Sociology (3) II**

The sociological analysis of emergent patterns of employee, employer, and consumer relationships. The sociological frame of reference and specific social science research techniques are applied to typical problems in the fields of personnel administration, vocational guidance, job training, industrial health, employee morale, and collective bargaining.

**163. Elementary Statistical Methods (3) I, II (See Mathematics 113)****164. Social Statistics (3) I, II**

Prerequisite: Sociology 163. Statistics treated as a language of number made up of quantitative parts of speech, which are used according to the rules established by the statistical grammar. Practice is given in the use of formulae applicable to the matters of central tendency, variability, reliability, comparison, and correlation. The use of these tools is related to problems illustrating the social scientific methods of collecting data.

**167. Development of Sociology (3) I, II**

Contributions of social philosophy and social and natural sciences to the growth of sociology; treated historically and analytically from the point of view of contemporary sociological thought.

**168. Contemporary Sociology (3) II**

Growth of sociology in the United States; contributions of present-day sociologists, relation of sociology to other fields, such as psychology, education, anthropology, and social work. Occupational opportunities and trends in sociology. (Formerly American Sociology.)

**170. Methods of Social Work (3) I, II**

Principles, practices and theories underlying social, medical, psychiatric case work, and group work. Analysis of case material for the development of skills in preprofessional social work. (Formerly Methods for Welfare Personnel.)

**172. Treatment Programs for the Adult and Juvenile Offender (3) I**

A survey of general and specific treatment programs used in the rehabilitation of the offender in correctional institutions, probation and parole. Field trips.

**175. In-Service Training (Variable credit) I, II**

In-service training for court and welfare personnel. Upgrading preparation and refreshing of personnel in the field at the request of social organizations and bureaus.

190. **Patterns of Ethnic Group Behavior (3) I**

An analysis of the processes leading to the organization and disorganization of majority and minority group relations. Ways in which social systems are affected by segregation, invasion, and succession. Attention is given to the latest findings of social research concerning the most successful experiments in the field of ethnic group interaction.

194. **Sociodynamics of Abnormal Behavior (3) II**

The ways in which adequate and inadequate social expectations and definitions affect behavior. How socialization may lead to aggression as well as adjustment. Kinds of crises and forms of conflict arising when means of social interaction are adversely modified by defensive and aggressive mechanisms. Withdrawal and attack patterns as overt manifestations of the operation of stereotypes, prejudices, and the habit of looking for subjective solutions. Scientific social therapy and the application of research methods to the case study of primary and secondary groups are treated from the "how to" point of view.

197. **Independent Study (Variable credit) I, II**

Prerequisite: senior or graduate standing and consent of the Chairman of the Division. Individual conferences and advanced reading assignments or projects in selected sociological fields.

198A-B-C-D. **Field Assignment and Reports (1-4) I, II**

Prerequisite: active, approved employment under the work-study program. Analysis and reports of the student's performance; regular group meetings.

199. **Introduction to Social Research (3) I, II**

Prerequisite: Philosophy 23, or Social Science 150, or equivalent. Application of the scientific method of social phenomena. An analysis of the more important techniques used in sociological research. Preparation of research papers and reports. Methods of collecting, classifying, interpreting, and presenting social data. Case studies of typical research monographs.

**GRADUATE COURSES**

Minimum prerequisites: A bachelor's degree, superior academic performance in sociology, and specific permission.

270. **Studies in Contemporary Sociology (3)**271. **Studies in Social Welfare (3)**276. **Seminar in Social Psychology (3)**279. **Seminar in Marriage and the Family (3)**280. **Social Statistics (3)**281. **Practicum (3)**290. **Social Research Methods (3)**



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LOS ANGELES STATE COLLEGE  
OF APPLIED ARTS AND SCIENCES

1952-1953









