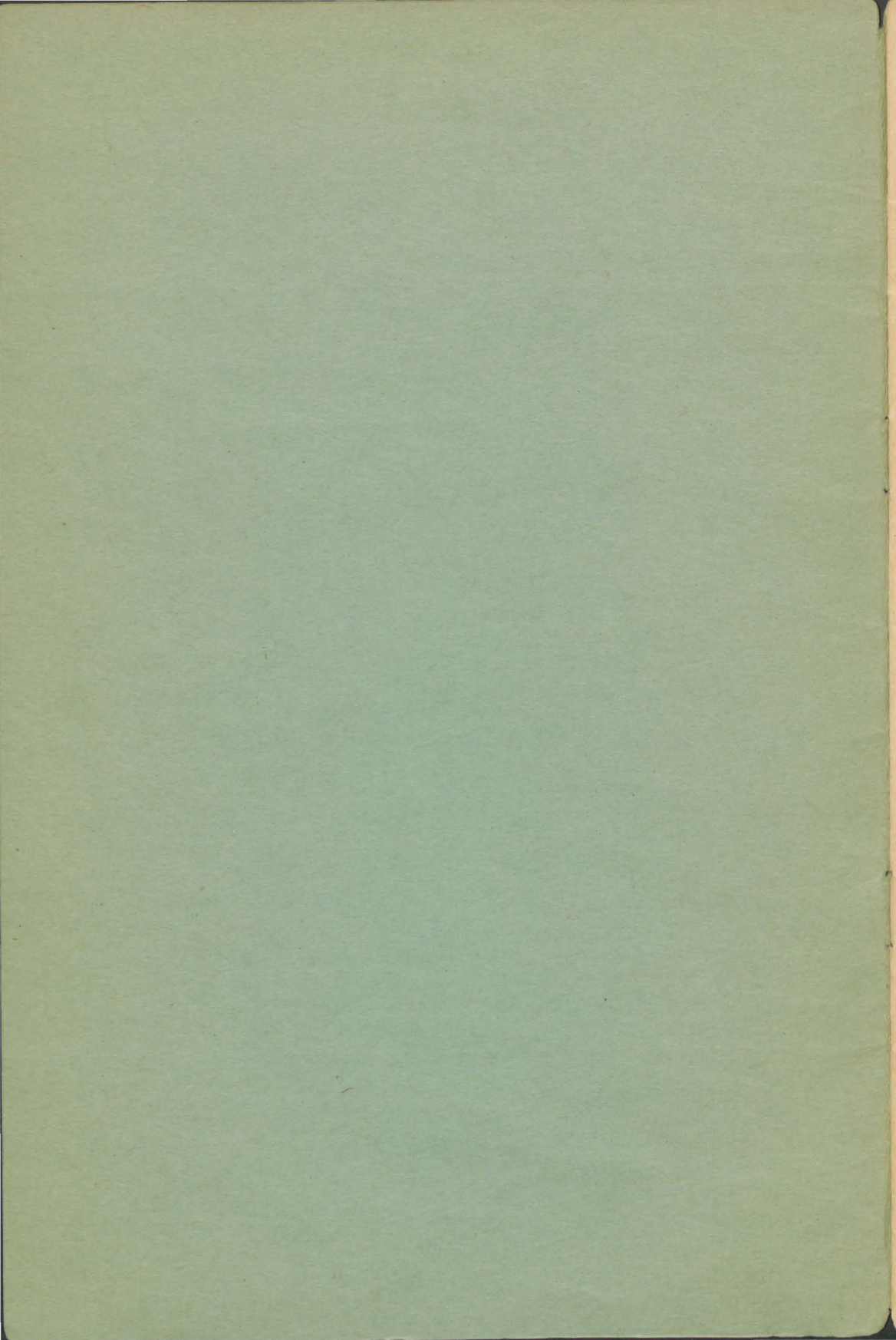


LOS ANGELES
STATE COLLEGE
B U L L E T I N

*Circular of Information
and Announcement
of Courses*

1948-49



LOS ANGELES STATE COLLEGE BULLETIN

Volume II

Number 1

*Circular of Information and
Announcement of Courses*

FALL AND SPRING SEMESTERS

1948-49

855 North Vermont Avenue, Los Angeles 27, California

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STATE OF CALIFORNIA

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and State Director of Education
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FACULTY

The faculty for the year 1948-49 is being selected from specialists in the field, and in cooperation with the Board of Education of the Los Angeles City Schools, from members of the Los Angeles City School system.

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LOS ANGELES STATE COLLEGE
COLLEGE CALENDAR 1948-1949

First Semester

August 27, Friday	Final date for applications for admission to the Fall Semester and credentials to be filed with the Registrar. Credentials received as late as this may not be evaluated in time for a credit summary to be ready by Registration Day.
September 13, Monday } September 14, Tuesday }	Registration of all students according to appointments issued by the Registrar.
September 15, Wednesday	Instruction begins for all upper division courses.
September 17, Friday	Last day for late registration.
September 24, Friday	Last day to add courses to study list.
October 8, Friday	Last day to drop courses without penalty of grade "F"; and last day to withdraw from school without "F" grades.
November 11, Thursday	Armistice Day (legal holiday)
November 25, Thursday } November 26, Friday }	Thanksgiving holidays.
December 20-31, inclusive	Christmas Holidays
January 3, Monday	Instruction resumed.
January 7, Friday	Last day to file applications for February 1949 Semester.
January 20, Thursday	Final examinations begin.
January 28, Friday	Semester ends.

Second Semester

January 7, Friday	Last day for applications for admission to the Spring Semester and credentials to be filed with the Registrar. Credentials received as late as this may not be evaluated in time for a credit summary to be ready by Registration Day.
January 31, Monday } February 1, Tuesday }	Registration of all students.
February 2, Wednesday	Instruction begins in all upper division courses.
February 4, Friday	Last day for late registration.
February 11, Friday	Last day to add courses to study list.
February 22, Tuesday	Washington's Birthday (legal holiday).
February 25, Friday	Last day to drop courses without penalty of grade "F"; and last day to withdraw from school without "F" grades.
April 11-15	Easter vacation.
June 9, Thursday	Final examinations begin.
June 17, Friday	Semester ends.

General Information

THE NEW COLLEGE

The Los Angeles State College was created by the following specific legislation — Assembly Bill No. 586 — an act establishing a four-year state institution of higher education in the City of Los Angeles, County of Los Angeles.

The people of the State of California do enact as follows:

SECTION 1. There shall be established in the City of Los Angeles, County of Los Angeles, a four-year state institution of higher education beyond the twelfth grade.

SECTION 2. Said institution of learning shall be coordinated with and governed by such program of higher education as may be adopted by the Legislature after consideration of the report and recommendations made by the State Department of Education and the Regents of the University of California as required by the provisions of Chapter 57 of the Statutes of 1947.

SECTION 3. Pending final determination of the status and organization of said institution of higher education as herein provided, it shall not constitute a part or unit of the Public School System of the State as said Public School System is defined in Section 6 of Article IX of the Constitution, or of the University of California.

SECTION 4. The Director of Education is hereby directed to arrange by contract or agreement with the Los Angeles Junior College District for facilities at the Los Angeles Junior (City) College necessary to establish and conduct, and not later than the commencement of the spring semester 1948 shall establish and conduct, at said institution of higher education courses of instruction of higher than the fourteenth grade of the standard given in state colleges.

SECTION 5. The Director of Education shall designate a name for said institution of higher education, and said institution shall be governed by the laws governing and regulating the state colleges insofar as such laws are applicable to said institution.

LOCATION

The Los Angeles State College, for the present, will utilize certain plant facilities of the Los Angeles City College under contract between the Governing Board of the Los Angeles Junior College District and the Director of Education of the State of California.

COURSES

Although established by law as a four-year institution, the Los Angeles State College will offer only a limited number of lower division courses during the year 1948-49. It will limit its program offerings to students who have attained upper division status. Arrangements have been made with the Los Angeles City College, a junior college, for students who have qualified for upper division standing to take a *limited number* of courses in the City College *if necessary to remove deficiencies*.

RECOGNITION

The Los Angeles State College has been approved by the California State Department of Education to offer courses leading towards the various teacher training credentials.

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

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.

VETERANS EDUCATIONAL COUNSELING SERVICE

The Veterans Educational Counseling Service for the Los Angeles City Schools is located on the campus of the Los Angeles City College. This organization is equipped to render complete service to all veterans desiring advisement or counseling.

PROVISION FOR VETERANS

The Los Angeles State College 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.

CREDIT FOR MILITARY EXPERIENCE

In accordance with the recommendation of the California Committee for the Study of Education and 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 proper State College administrator for evaluation. The application should be accompanied with proper evidence of military service, including honorable discharge.

VOCATIONAL REHABILITATION

A Vocational Rehabilitation Officer is available at Los Angeles City College for interviewing applicants who have suffered a physical or mental disability, which renders them vocationally handicapped. Appointments may be made with this officer, or by contacting the regular Vocational Rehabilitation office at 811 Black Building, 357 South Hill Street; telephone, MADison 7631.

ADMISSION

Admission to the Los Angeles State College for the year 1948-49 is based on evidence that the student has completed at least sixty units of college work (or the equivalent) and has met the scholarship standard represented by at least an average of Grade "C" in all college courses undertaken.

An applicant may not disregard any part of his college work in applying for admission. He should ask the registrars of all high schools and colleges attended to forward complete official transcripts direct to the Registrar, Los

Angeles State College. A statement of honorable dismissal from the last college attended must also be presented.

Not more than 64 semester hours of work may be allowed for credit from junior colleges.

Students who do not qualify for admission may apply at the Registrar's office for advice on how best to remove entrance deficiencies.

EVALUATION OF CREDENTIALS

Before an evaluation of credits can be made, official transcripts of high school and all college records must be sent to the Registrar by the registrars of the schools attended. Transcripts will not be accepted from students. A fee of \$2 is charged for evaluating records.

LATE ADMISSION AND REGISTRATION

The student should consult the College calendar and acquaint himself with the dates upon which students are expected to register and be prepared to begin work promptly at the opening of the semester. Failure to register upon the stated registration day is certain to cause difficulty in the making of a satisfactory program.

A fee of \$1.50 is charged for late registration; this fee applies to both old and new students.

REGISTRATION PROCEDURE

No student in the Los Angeles State College may attend any class either as an auditor or as a credit student unless he has registered in advance for the course.

All students must register with the Registrar their choice of courses to be pursued in any semester, on blanks provided for the purpose, at the time and place designated. Registration at a later date requires special permission. Each student must register in person.

Students registered in year courses must register for these courses at the beginning of each semester. They are sometimes permitted to register for year courses in the second semester without having been registered in the first semester. When this is done, credit is given for the work of the second semester only.

No person will be admitted as a student to any course except as authorized by the official certificate of registration and duplicate study card supplied to each student by the Registrar, subject to the approval of the appropriate study-list officer. Concurrent enrollment in the Los Angeles State College and in courses in any other institution is permitted only when the entire program of the student has received the approval of the appropriate study-list officer.

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.

The regular student program is 16 units each semester. Students will be allowed to take from 12 to 16 units each semester without special permission.

Authority of Instructors. 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.

Instructors will report to the President from time to time the names of students whose attendance or work is unsatisfactory. Any instructor, with the approval of the President, may at any time exclude from his course any student guilty of unbecoming conduct toward the instructor or any member of the class, or any student, who, in his judgment, has neglected the work of the course. A student thus excluded will be recorded as having failed in the course of study from which he is excluded.

CLASSIFICATION OF STUDENTS

Students are classified as follows:

1. Regular students are those who have been accepted in regular status.
2. Probationary students are those who have slight deficiencies in scholarship.
3. Limited students are those who carry 5 units of work or less. These students pay \$2.50 for each unit of work undertaken.

EXAMINATIONS

Final examinations are required in all undergraduate courses. All examinations will be conducted in writing and a maximum time will be assigned beforehand for each examination, which no student will be allowed to exceed.

Examinations in the fundamental subjects for teaching are given each semester.

EVENING CLASSES

Los Angeles State College offers courses in the late afternoon and evening for those students who are unable to attend the day sessions. Many of the courses offered in the evening division are designed to meet requirements for the various teaching credentials. The same rules apply for evening classes as for day classes.

LEAVE OF ABSENCE AND HONORABLE DISMISSAL

A brief leave of absence, to expire on a definite date, may be issued to a student in good standing who finds it necessary to withdraw for a short time, but who wishes to retain his status in his classes and to resume his

work before the close of the current semester. No excuse for absence will relieve the student from the necessity of completing all the work of each course to the satisfaction of the instructor. Petition forms for leaves of absence may be obtained at the office of the Registrar.

An honorable dismissal will be granted upon petition to any student in good standing provided he withdraws on or before the date set for withdrawing without "F" grades.

A student in good standing is one who is not on probation, or one who has not been dismissed because of scholarship deficiencies, or one who is not under disciplinary action.

Discontinuance without notice. Students who discontinue their work without formal leave of absence do so at the risk of having their registration privileges withdrawn and receive "F" grades in all courses.

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 is made for each additional transcript of record. Application for a transcript should be made directly to the Registrar well in advance of the time when the record will be needed by the applicant.

GRADES AND GRADE POINTS

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

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

The Grade "I" is recorded for work of high character but which is incomplete for an acceptable reason. If the work is completed by the close of the next semester in which the course is offered, the grade is changed to that earned; otherwise, it is automatically changed to an "F."

The Grade "W" is used to refer to the dropping of a course by petition before the end of the eighth week of the semester. Unapproved withdrawal from class after the first two weeks of the semester is interpreted as a failure in the course.

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.

PROBATION AND DISQUALIFICATION

The records of students who do not maintain a "C" average will be reviewed and appropriate action taken towards probation or disqualification.

DEGREES

The requirements for the Bachelor of Arts or the Bachelor of Education degree as set forth in this catalog pertain to Los Angeles State College. Students who plan to transfer to another institution for a degree will find it advisable to consult with the transfer institution to obtain the specific degree requirements of that institution before undertaking work at Los Angeles State College.

STUDENT ACTIVITIES

Active participation in a number of appropriate organizations is encouraged by the College as a means of developing the social qualities of students. During the first year of existence a junior class, a senior class, a service organization, a student teacher organization and a student body have been organized. A student newspaper has been started. Plans are being formulated to conduct athletics. As the College grows, further opportunities for participation will become available. A student-faculty council governs all affairs of the students.

LIVING ACCOMMODATIONS

Since there are no dormitories on the campus, students live at home or in boarding houses. Owing to the fact that living accommodations are inadequate, students should make inquiries about housing as early as possible before registration. Board and room may be obtained from \$15 to \$20 a week, and rooms range from \$5 to \$10 a week. Students may reduce the cost of board and room by some cooperative living arrangement.

GENERAL EXPENSES AND FEES

Tuition, per semester	\$6.50
Tuition for limited students (5 u. or less) per semester unit	2.50
Materials and Service fee, per semester	4.00
Materials and Service fees for limited students, per semester unit50
Late registration fee	1.50
Registration book—duplicate50
Failure to return registration book on required date	1.00
Identification card — duplicate25
Transcript of record — duplicate	1.00
Evaluation of records	2.00
Change of program50
Fundamentals Test50
Diploma (A.B. degree) fee, for graduating seniors	3.00
Student Body fee (optional) per semester (subject to change)	6.50

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

Upon withdrawal from College, a portion of the tuition fee will be refunded provided an application is filed in the Registrar's office not later than two weeks after registration day.

Any unused portion of the materials and service fee will be refunded upon withdrawal from College provided written application is filed in the Registrar's Office within four weeks after Registration Day.

Proportionate refunds of student body fee are made to students who withdraw before the end of the semester.

GRADUATION REQUIREMENTS

Pending legislative action on the final status of the Los Angeles State College, the minimum degree requirements for students who have enrolled or enroll before final action is taken are:

A minimum of 120 semester units in college courses, of an average "C" grade or better, must be offered by the candidate for the degree of Bachelor of Arts.

Approximately 60 units of upper division courses will be expected, but in no case will less than 40 actual upper division units be accepted.

Not more than 60 units in any subject field shall be accepted for the degree; when the degree is accompanied by a general teaching credential, the maximum shall be 40 units.

The degree program must include:

SOCIAL SCIENCES 12 semester units

(8 units must be in lower division courses)

Acceptable choices:

- ° History Social Anthropology
- ° Political Science Philosophy
- ° Economics Geography
- Public Administration Sociology
- ° 1 year course in one of the starred courses.

†NATURAL SCIENCES 12 semester units

(8 units must be in lower division courses)

Acceptable choices:

- Chemistry Zoology
- Physics Meteorology
- Physiology Anatomy
- Botany Bacteriology
- Biology Physical Geography
- Astronomy Entomology
- Geology Paleontology

†This must include a lower division year course in a laboratory science in one subject.

ENGLISH 6 semester units

English composition

Public speaking may be substituted for three units under special conditions.

PSYCHOLOGY 3 semester units

General psychology

PHYSICAL EDUCATION 2 semester units

Activity courses

Required semester units of lower division work 60 semester units

Acceptable from junior college 64 semester units

Completion of one major and one minor.

A major is a combination in a prescribed field or fields of not less than 24 semester units, at least 12 of which must be upper division.

A minor is a combination in a prescribed field of not less than 12 semester units, at least 6 of which must be upper division.

American History and Government. It is required by law that all graduates shall have demonstrated a knowledge and understanding of the government of the United States and of United States history, including American institutions and ideals. The requirement may be satisfied by examination or by lower or upper division approved courses.

Resident requirement. At least 24 semester units of residence work completed after registration in the Los Angeles State College are required for the bachelor's degree.

GENERAL ELEMENTARY CREDENTIAL

I Lower Division Program

1. The following lower division requirements must be completed before clear upper division standing can be attained: (A limited number of lower division courses may be taken in the upper division.)
 - a. Social Sciences 12 semester hours
The requirement in American History and constitutions may be satisfied in either the lower or upper division.
 - b. Natural Sciences 12 semester hours
 - c. Psychology 3 semester hours
(Must be taken in lower division.)
 - d. English 6 semester hours
(Must be taken in lower division.)
Speech may be used for 3 units of this requirement.
 - e. Physical Education 2 semester hours
(Must be taken in lower division.)
 - f. Lower division electives available for meeting major and minor requirements 25 semester hours
 - g. Total number of lower division semester hours required 60 semester hours
2. Courses required as preparation for the bachelor's degree major.
3. A grade-point average of 1.00 for the sophomore year.

II Upper Division Program

1. The major may consist of satisfactory completion of a well-balanced program of courses suitable to the personal and professional needs of a teacher in the elementary schools, with 24 semester hours of upper division work carried in one broad subject matter area, exclusive of Education. Students wishing to major in Elementary Education will be required to complete a second minor.
2. The minor may consist of a satisfactory completion of 6 semester hours of upper division study (based on 6 units of lower division courses in the same field) in any department other than the major or the second minor, if the latter is required.
3. Completion of 24 semester hours in Education, with a grade of at least "C" in the required courses, and at least a 1.00 average on all Education courses.

REQUIRED COURSES

Education 100 – Introduction to Education	2
Education 104 – Elementary School Curriculum and Observation	3

Education 106 – Principles of Elementary Education	2
Education 109 – Tests and Measurements	2
Education 110 – Educational Psychology	2
Education 111 – General Elementary School Methods	2
Education 147 – Audio-Visual Radio Aids	2
Education 150 – Directed Teaching	8
Electives in Methods	2

RECOMMENDED COURSES

- | | |
|-----------------------------------------------|---|
| Education 102 – Growth and Development | 2 |
| Education 103 – Elementary School Music | 3 |
| Education 107 – History of Education | 3 |
| Art 100 – Art for Elementary Grades | 2 |
| English 112 – Children's Literature | 3 |
| Natural Science 120 – Nature Study | 3 |
4. Demonstration of adequate proficiency in the subjects required by law (Calif. Educ. Code Sect. 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.
 5. Fulfillment of scholarship standards and recommendation of the appropriate faculty committee.
 6. Assurance of physical fitness.
 7. Evidence of correct speech habits and voice control.

GENERAL SECONDARY CREDENTIAL

The general secondary credential authorizes the holder to serve as a teacher in the secondary schools and in grades seven and eight of any elementary school in California.

Preparation for the general secondary credential is based on a four year program leading to the A.B. Degree and a fifth year of at least twenty-four semester units of graduate, professional, and Upper Division courses.

Students will be required to complete the following professional education courses in either their Upper Division or graduate year. The courses are listed in the order recommended for their completion. Some of them may be taken concurrently. Please see course descriptions for necessary prerequisites:

	<i>Units</i>
Education 100 – Introduction to Education	2
Education 109 – Tests and Measurements	2
Education 110 – Educational Psychology	2
Education 102 – Growth and Development	2
Education 107 – History of Education	3
Education 170 – Principles of Secondary Education	2
Education 130 – Counseling and Guidance	2
Education 147 – Audio-Visual Aids	2

The teaching major and minor must be selected from fields commonly taught in California high schools; one of these must be an academic subject.

Additional course work, including directed teaching, to be assigned by the Department of Education. The complete program for the General Secondary Credential will not be offered in 1948-49. Appropriate Education courses offered at the Los Angeles State College will be accepted by the State Department of Education for the various credentials.

KINDERGARTEN-PRIMARY CREDENTIAL

I Lower Division Program.

The Lower Division requirements are the same as for the General Elementary Credential described on page 12.

II Upper Division Program.

- a. Major in Education as outlined below with a grade of at least "C" in all required courses, and a 1.00 average on the student's entire program.
- b. Minor — the minor consists of a minimum of 12 units in one field, 6 units in Lower Division courses and 6 units in Upper Division courses.

REQUIRED COURSES

	<i>Units</i>
Education 100 — Introduction to Education	2
Education 102 — Growth and Development	2
Education 103 — Elementary School Music	3
Education 104 — Elementary School Curriculum and Observation	3
Education 105B — Early Childhood Education	2
Education 106 — Principles of Elementary Education	2
Education 109 — Tests and Measurements	2
Education 110 — Educational Psychology	2
Education 111 — Elementary School Methods	2
Education 147 — Audio-Visual Aids	2
Education 150 — Directed Teaching	8
Art 100 — Elementary School Art.....	3
Psychology 108 — Mental Hygiene	2

RECOMMENDED COURSES

	<i>Units</i>
Education 105A — Early Childhood Education — Preschool	2
Education 107 — History of Education	3
Education 117 — Personality of the Teacher	2
Education 125 — Industrial Arts for Primary Grades	2
Education 133 — Methods of Teaching Science in Primary Grades	2
c. Demonstration of adequate proficiency in the subjects required by law.	
d. Fulfillment of scholarship standards and recommendations of the appropriate faculty committee.	
e. Assurance of physical fitness.	
f. Evidence of correct speech habits and voice control.	

BACHELOR OF EDUCATION DEGREE

The State Board of Education in April, 1948, approved a program whereby certain teachers holding provisional credentials might earn the Bachelor of Education Degree. The provisional credential may be secured by teachers who have taught at least two years on an emergency elementary

school credential, who have credit for at least two years of college work, who are recommended by their superintendent, and who declare their intention of pursuing a program with this College which will lead to the degree and a regular credential. Provisions have been made for credit for teaching experience when properly supervised. Credit may also be secured by examination under certain conditions. Further information will be supplied on request.

MAJORS

Majors in the subjects listed below have been formulated. Others are in the process of being set up, and information regarding them may be obtained in September from the registrar.

Descriptions of the Lower Division courses, those numbered below 100, are to be found in the Los Angeles City College Catalog for 1948-1949. Equivalent courses from other colleges are acceptable.

A.B. Degree with Major in Accounting

	<i>Units</i>
English — Speech	6
United States History and Government	6
Additional Social Science	6
Natural Science	12
General Psychology	3
Physical Education Activities	2
	<hr/>
Major — Accounting	35
Economics 1, 2	6
Economics 135	3
Business 1, 2	8
Business 80	1
Business 121	3
Business 139	3
Business 157	2
Business 158	2
Business 159a, 159b	6
Business 160a, 160b	6
Business 161	3
Business 162	3
Business 187	3
Law 1, 2	6
Mathematics 19	3
	<hr/>
	58
Recommended Electives	
Mathematics 22	3
Business 150	3
Business 155	3
	<hr/>
	9
Other electives to be selected on advice of L.A.S.C. Counselor	18
	<hr/>
Total required for the Degree	120

A.B. Degree with Major in Drama

	<i>Units</i>
English — Speech	6
United States History and Government	6
Additional Social Science	6

Natural Science	12
General Psychology	3
Physical Education Activities	2
	<hr/>
	35
Major — Drama	
Speech 1 or 7	3
Drama 50	3
Drama 53	2
Drama 60, 61	6
Drama 68	1
Drama 71	2
Drama 80, 81	5
Drama 95	3
Drama 96	3
Drama 99A, B, C, D	4
Drama 100	2
Drama 102	2
Drama 104	2
Drama 154, 155	4
Drama 162A, B	6
Drama 169A, B	6
Drama 185A, B	6
	<hr/>
	60
Electives to be selected on advice of L.A.S.C. Counselor	25
	<hr/>
Total required for the Degree	120

A.B. Degree in English-Speech

	<i>Units</i>
United States History and Government	6
History of Greater England and Britain	6
Natural Science	12
Psychology	3
Physical Education	2
Public Speaking	6
	<hr/>
	35
Major Requirements — English — Speech	
English — Reading and Composition	6
English — Survey of English Literature	6
Introduction to the English Language	3
Shakespeare (Upper Division)	3
American Literature	6
Advanced Composition	3
An age course	3
Upper Division Speech	3
	<hr/>
Recommended	
Creative Writing	3
	<hr/>
Minor from other fields	12
Electives	37
	<hr/>
Total Units Required for A.B. Degree	120

A.B. Degree with Major in General Business

	<i>Units</i>
English — Speech	6
United States History and Government	6
Additional Social Science	6
Natural Science	12
General Psychology	3
Physical Education Activities	2
	<hr/>
	35
 Major — General Business	
Economics 1, 2	6
Economics 131	3
Business 1, 2	8
Business 80	1
Business 121	3
Business 139	3
Business 150	3
Business 153	3
Business 155	3
Business 159a	3
Business 164	2
Business 187	3
Political Science 143a or 143b	3
Mathematics 19	3
Law 1, 2	6
	<hr/>
	53
Electives to be selected on advice of L.A.S.C. Counselor	32
	<hr/>
Total required for the Degree	120

A.B. Degree with Major in Industrial Management

	<i>Units</i>
English — Speech	6
United States History and Government	6
Additional Social Science	6
Natural Science	12
General Psychology	3
Physical Education Activities	2
	<hr/>
	35
 Major — Industrial Management	
Economics 1, 2	6
Economics 131	3
Law 1, 2	6
Business 1, 2	8
Business 80	1
Business 121	3
Business 150	3
Business 151	3
Business 152	3
Business 153	3
Business 156	3
Business 159a	3
Business 161	3
Business 165	2
Business 187	3
Political Science 143a or 143b	3
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	56
Electives to be selected on advice of L.A.S.C. Counselor	29
	<hr/>
Total required for the Degree	120

<i>A.B. Degree with Major in Marketing</i>		<i>Units</i>	
English — Speech		6	
United States History and Government		6	
Additional Social Science		6	
Natural Science		12	
General Psychology		3	
Physical Education Activities		2	
		<hr/>	
Major — Marketing		35	
Economics 1, 2	6	Business 155	3
Economics 131	3	Business 156	3
Business 1, 2	8	Business 159a	3
Business 69	3	Business 163	3
Business 80	1	Business 165	2
Business 121	3	Business 187	3
Business 135	2	Law 1, 2	6
Business 152	3		
Business 153	3		<hr/>
			55
Electives to be selected on advice of L.A.S.C. Counselor			30
			<hr/>
Total required for the Degree			120

<i>A.B. Degree with Major in Music</i>		
English — Speech		6
United States History and Government		6
Additional Social Science		6
Natural Science		12
Psychology		3
Physical Education Activities		2
		<hr/>
Major Requirements — Music		35
Musicianship	6	
Harmony	12	
Musical Organization (Upper Division)	4	
Music History (Upper Division)	2	
Music Appreciation (Upper Division)	2	
Introduction to Public School Music	1	
Music Theory and Composition	6	
Counterpoint	3	
		<hr/>
		36
Electives to complete		120

Nursing

A curriculum in Nursing is offered which fulfills the requirements for the degree of Bachelor of Arts and for a certificate in Nursing as outlined by the Board of Nurse Examiners of the State of California.

The program of study includes three semesters in the pre-nursing field in a junior college, followed by three years' enrollment in an affiliated hospital. During the final year of hospital enrollment, the Los Angeles State College offers subjects for the completion of work for graduation.

Students who wish to follow this curriculum should consult the Educational Director of a hospital which is affiliated with Los Angeles State College, or a Counselor at the Los Angeles State College.

*A.B. Degree and Special Secondary Credential with Major in
Physical Education
(Men and Women)*

English	6
Sociology	6
United States History and Government	6
Health	2
Anatomy	3
Physiology	3
Zoology	10
Psychology 21, 24, 108	7
Physical Education Activities	6
Major — Physical Education	
Games of Low Organization	2
Basic Rhythms	2
Club Leadership and Camp Activities	3
Methods of Coaching	2
First Aid and Athletic Injuries	2
Kinesiology (Applied Anatomy)	2 or 3
Physiology of Exercise (Applied Physiology)	2
Principles of Community Recreation	2
Introduction to Physical Education	2
History and Principles of Physical Education	3
Principles of Health Education	3
Principles of Community Recreation	2
Organization and Administration of Physical Education and Athletics	3
Principles of Corrective Physical Education	2
Methods of Physical Education	4
Tests and Measurements in Physical Education	2
Seminar in Physical Education Problems	3
Philosophy of Education	2
Growth and Development of the Child	2
Educational Statistics	2
Principles of Secondary Education	2
Counseling	2
Directed Teaching	4

Recommended Electives to Complete 120 Units	
Speech 7 and 8	6
Business 1 and 2	7
Journalism 1	3
Feature and Editorial Writing	3
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Total required for the Degree	120

Students interested in Recreation work which does not require certification should substitute, on the advice of a Los Angeles State College counselor, the following courses for some of those listed above.

Music Appreciation	2	Nature Study	3
Festivals and Pageants	2	Community Organization for	
Social Recreation Leadership ..	2	Recreation	2
Art and Handcraft in Recreation	3	Rehearsals and Performance ...	3
Philosophy of Leisure	2	Administration of Recreation ..	2

A.B. Degree with Major in Social Science

	<i>Units</i>
English — Speech	6
United States History and Government	6
Natural Science	12
Psychology	3
Physical Education Activities	2
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Major Requirements — Social Science	29
Principles of Economics	6
Introduction to Government ..	6
Upper Division courses, 24; select from:	
Labor Problems	3
History of California	3
Postwar Reconstruction	3
Diplomatic History of U.S. ...	3
Principles of Public Admin.	
Recent U.S. History	3
in U.S.	6
Recent European History ...	3
International Relations	3
Public Opinion & Propaganda	3
Ancient History	6
Agencies of International	
Economic History of U.S.	3
Cooperation	3
<hr/>	
	36
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Electives to complete	120

LOWER DIVISION COURSES

The Los Angeles State College offers courses in the lower division by contract with the Los Angeles City College. A description of the lower division courses is given in the Los Angeles City College catalog.

Announcement of Courses

ART

100 Art for Elementary Grades (3)

No prerequisites.

Methods of techniques of painting, drawing, design and crafts for elementary and primary grades; art appreciation lectures and problems designed to give an enriched cultural background to elementary and primary teachers.

101A-101B Art in Modern Life (2-2)

No prerequisites.

A study of the arts in relation to contemporary living and to the democratic way of life. Discussions, field trips, readings, and lectures designed to increase the understanding of the contribution which the arts are making and can make to bring about desired changes in both human personality and environment.

103A-103B Advanced Design (2-2)

Prerequisite: 2 semesters in Design.

A course providing opportunity for individual and group experiences in both 2 and 3 dimensional expression. In the first semester emphasis will be placed upon designing and making of objects which demonstrate the use of fine design in the immediate environment of each student, in the home, in the school, and the community. In the second semester emphasis will be placed upon the designing and making of objects for mass production.

104A-104B Advanced Painting (2-2)

Prerequisite: 2 semesters each in Painting and Design.

A course providing opportunity for continued painting experience, using either one or several media. Emphasis will be placed upon individual planning and grouping, sincerity of expression, and fine craftsmanship. Related research in both reading and field trips as needed.

113 Theatre Design (2)

Prerequisite: 1 semester of Design.

A study of the visual relationship involved in both play and dance production. Designing and making of models, construction and painting of stage scenery.

BOTANY

105 Classification of Flowering plants (3)

Lecture, 1 hour; laboratory, 6 hours.

Lectures, laboratory and field studies on the classification and distribution of seed plants and ferns, with emphasis in the laboratory on the collection and classification of wild flowers. The economic value of different species will also be included in the lectures.

BUSINESS

100 Duplicating Machines (2)

Not open to students who have had L.A.C.C. Business 64.

Prerequisite: Shorthand and Typing.

Lecture, 2 hours; laboratory, 2 hours.

Various types of duplicating machines. Secretarial duties and requirements.

121 Business Statistics (3)

Classification of data, graphical representation, averages, percentile, measures of deviation, standard measures, reliability of constants, etc.

126 Credits and Collections (2)

Not open to students who have had L.A.C.C. Business 76.

A study of the forms and classes of credit; sources of information about those who apply for credit; collection devices.

- 132 Investments (3)**
 Not open to students who have had L.A.C.C. Business 75.
 Prerequisite: Business 139 or consent of instructor.
 Principles of investment, various types of investments; operations of investment markets; sources of information.
- 135 Advertising (3)**
 Not open to students who have had L.A.C.C. Business 68.
 Principles and practices of advertising; study of purpose; copy, layout, mechanics, media, research, and the complete campaign.
- 137 Salesmanship (3)**
 Development of the sales plan. Securing prospects; public relations; effective sales presentation.
- 139 Principles of Finance (3)**
 Not open to students who have had L.A.C.C. Business 73.
 Forms of business organization; financial plan; promotion; types of securities; expansion; consolidation; and aspects of reorganization.
- 140 Advertising Copy and Layout (2)**
 Not open to students who have had L.A.C.C. Business 100.
 Prerequisite: Business 135 or Journalism 84 or 184.
 The function of copy, copy appeals, structural principles, suggestions for developing copy; types of copy are emphasized as well as the structural principles of layout. Identification and use of type; appropriate use of engraving and lithographic processes in advertising; keying the layouts.
- 150 Industrial Management (3)**
 Prerequisite: Consent of instructor.
 The development and application of scientific management in business. Illustrations are drawn chiefly from modern factory practice. Problems of plant location, equipment, material handling, motion and time study, control of material and production, office management, human problems, and industrial safety are studied.
- 151 Public Utilities (3)**
 Prerequisite: Consent of instructor.
 Development of the need for public utilities, such as transportation of mail, goods, and persons. Brief survey of the legal and other problems involved in regulation, public ownership. Special emphasis on operating aspects of electric power and other utilities.
- 152 Traffic and Transportation (3)**
 Prerequisite: Consent of instructor.
 Functions of traffic departments; classification of freight; tariffs; characteristics of principal transportation agencies.
- 153 Personnel Management (3)**
 Not open to students who have had L.A.C.C. Business 86.
 A study of the functions and methods of the personnel department and a consideration of the principles involved in effective personnel control.
- 154 Office Organization and Management (3)**
 Analysis of 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 uses of appliances, techniques of performing office duties.
- 155 Marketing (3)**
 Prerequisite: Consent of instructor.
 The organization and principal operating aspects of our system for distribut-

ing 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. This course orients the student in relation to the subdivisions of the field, such as merchandising and salesmanship, advertising, purchasing, credit, collections, and personnel. Students with credit for Business 120 will receive only 1 unit for this course.

156 Economics of Consumption (3)

Prerequisite: Consent of instructor.

A study of consumption, the relation of the consumer to the price system, and the consumer's own problems.

157 Governmental Budgeting (2)

Prerequisite: Consent of instructor.

Historical development of public budgeting; modern practices and techniques involved in the formulation, enactment and administration of the budget; coordination with staff agencies and management aspects of budgeting. Practices and procedures observed in budgetary operation at Federal, state, county and municipal levels are considered.

158 Governmental Accounting (2)

Prerequisite: Consent of instructor.

Federal tax revenue acts; partnership and corporation income taxes, gift, estate, excess profit taxes.

159A-159B Intermediate Accounting (3-3)

Not open to students who have had L.A.C.C. Business 53a-53b.

Prerequisites: Business 1, 2, and 9, or consent of instructor.

Theory and practice, essentially problem technique. Topics include: Working papers, valuation of current and fixed assets, consignments, installment sales, intangible assets, investments, funds, and reserves, corrections, analysis of statement, application of funds, etc.

160A-160B Advanced Accounting (3-3)

Not open to students who have had L.A.C.C. Business 54a-54b.

Prerequisites: Business 159a-159b.

Theory and practice, essentially problem technique. Topics include: Ventures, insurance, statement of affairs, receivership accounts, branch accounts, foreign exchange, estate accounting, budgets, public accounts, bank and stock brokerage accounting, etc.

161 Cost Accounting (3)

Prerequisite: 1 year of accounting or consent of instructor.

The distribution of expenses in business, with primary emphasis on factory accounting. Standard costs, distribution and analysis of burden (overhead), budgeting, and cost control are typical problems.

162 Auditing (3)

Not open to students who have had L.A.C.C. Business 72.

Prerequisite: Enrollment in or credit for Business 159a, or consent of instructor.

Principles of auditing and the steps followed in conducting an audit. Audit practice set and preparation of audit report.

163 Foreign Trade (3)

Prerequisite: Consent of instructor.

Characteristics of foreign trade; comparative costs; exchange of goods and services; foreign exchange; tariffs, etc.

164 Insurance (2)

Economic theory of risk, its extent and importance to both the individual

and business; transfer of risk; distribution and prevention of loss; types of insurance carriers; the insurance contract; coverages; special forms of life, fire, marine, and casualty insurance; state supervision.

165 Purchasing (2)

Price and price policy; purchasing policy; sources; budget; testing.

187 Business Organization (3)

Not open to students who have had L.A.C.C. Business 87.

Functions of organization and principles of management. Includes a case study of typical business concerns.

CHEMISTRY

106 Organic Chemistry (3)

Prerequisite: Chemistry 1.

This course includes a general survey of aliphatic and aromatic compounds.

107 Organic Chemistry Laboratory (3)

Prerequisite: Chemistry 1 and 2 with grades of "C."

108 Biochemistry (4)

Prerequisites: Chemistry 7 with grade of at least "C."

Lecture: 3 hours; laboratory, 3 hours.

A study of carbohydrates, fats, proteins, enzymes and vitamins, with special reference to the nutrition of the living cell. Analysis of milk, blood and urine are also included.

DRAMA

100 Directed Reading (2)

Prerequisite: Consent of instructor.

Guided study of selected literature in theater and drama, with regularly scheduled student-instructor conferences.

102 Senior Problems (2)

Prerequisite: Consent of instructor.

Special production, performance, and research projects selected to fit individual training needs with regularly scheduled student-instructor conferences.

104 Dramatic Criticism (2)

Prerequisite: Approved courses in dramatic literature and consent of instructor.

A survey of dramatic criticism from Aristotle to the twentieth century, through lectures, reports, and discussion.

152 Choral Speaking (3)

Prerequisite: Consent of instructor.

Development of the voice by group interpretation and literature.

154 Interpretative Reading (2)

Prerequisite: Consent of instructor.

Study and application of techniques in the dramatic interpretation of books, plays, and stories.

155 Dialects (2)

Prerequisite: Consent of instructor.

Training in the performance of all major dialects.

162A-162B Advanced Applied Acting (3-3)

Prerequisite: Consent of instructor.

Application of acting theory in the performance of dramatic scenes.

169A-169B Rehearsals and Performance (3-3)

Prerequisite: Consent of instructor.

Acting, directing, and producing plays.

172A-172B Stage Playwriting (3-3)

Prerequisite: Consent of instructor.

Theory and practice of the fundamentals of effective stage playwriting.

185A-185B Stage Play Direction (3-3)

Prerequisite: Consent of instructor.

Principles of casting, aims of rehearsals, planning, and designing of long plays.

ECONOMICS**135 Money and Banking (3)**

Prerequisites: L.A.C.C. Economics 1-2.

The elements of monetary theory. History and principles of banking, with special reference to the banking system of the United States.

140 Statistical Methods (3)

Prerequisite: L.A.C.C. Mathematics 3.

The nature and uses of statistical methods in the social sciences. Practice in tabular and graphic presentation of data; analysis of frequency and time series; index number construction and study of correlation techniques.

150 Labor Problems (3)

A study of labor organizations and their policies, wages, strikes, unemployment, social insurance, child labor, labor legislation, plans for industrial peace, and other labor problems.

177 Postwar Reconstruction (3)

The economic problems faced in rebuilding a peacetime economy; the role of private enterprise; regulation of industry; price controls; proposals for reconstruction.

EDUCATION**100 Introduction to Education (2)**

A survey of the purposes, nature and accomplishments of education in our American democracy.

102 Growth and Development (2)

Prerequisite: Psychology 21 or consent of instructor.

A study of intellectual, emotional, and social development of the child. Emphasis is given to problems of mental hygiene during the critical growth periods.

103 Elementary School Music (3)

Prerequisite: Music 125.

A survey of public school music. Aims and procedures of teaching music in elementary and primary grades. Audio-visual methods and materials appropriate in music. Study of the fundamentals of music for general elementary and kindergarten-primary credential candidates.

104 Elementary School Curriculum and Observation (3)

Prerequisite: Education 100, 109, 110.

Modern theory of education and concrete experience in practical application to classroom situations. Two lectures, two laboratory sessions, and one participation each week. Required for kindergarten-primary and general elementary credential.

105A Early Childhood Education (Pre-school) (2)

Methods of Guidance. 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)

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)**
 Required for kindergarten-primary and general elementary credentials.
 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. Such important aspects as the principles of learning, guidance, evaluation, curriculum construction, and community relations will be considered.
- 107 History of Education (3)**
 (2 units when taken in the Evening Division.)
 An inventory of the contributions made to the development of education from various sources. Modern education, its aims, methods and schools are evaluated.
- 108 Nursery School Techniques (2)**
 Observation and practice in meeting the needs of preschool children. Development of skill in guiding child behavior.
- 109 Tests and Measurements (2)**
 Required for all credentials.
 Measurement of mental maturity. Study of statistical terms. Standardized tests. Group and individual diagnosis and evaluation.
- 110 Educational Psychology (3)**
 Required for all credentials.
 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 Methods of Teaching Elementary School Subjects (2)**
 Required for kindergarten-primary and general elementary credential.
 A general methods course dealing with the aims and general teaching methods applicable to the usual primary and elementary curricular offerings.
- 112 Child Psychology for Kindergarten Teachers (2)**
- 113 Guidance of the Deaf (2)**
 Techniques used in counseling the deaf.
- 114 Teaching Speech to the Deaf (2)**
 Methods used in teaching speech to the deaf.
- 115 Teaching Language to the Deaf (2)**
 Methods used in teaching language to the deaf.
- 116 Techniques of Extended Day Care (2)**
 Observation and principles of meeting the needs in extended day care centers.
- 117 Personality of the Teacher (2)**
 Study of the techniques and methods of development of the social skills; outline of personality traits desirable in the well-adjusted teacher; evaluation of personality tests; emphasis on professional ethics, teacher relationship with the principal, other teachers, school personnel, parents, and the community; discussion of dress and grooming for the professional woman.
- 124 Principles of Curriculum Development (2)**
 Prerequisite: Education 110, 111
 Development of curricula on elementary and secondary levels.

- 130 **Counseling (3)**
Required for the general secondary credential.
Purposes and program of guidance. How to organize and administer a counseling program. Techniques of counseling, interviewing, case studies, etc.
- 131 **Educational Statistics (2)**
Statistical procedures applicable to educational problems and educational research.
- 147 **Audio-Visual Aids (2)**
Required for all credentials.
Designed to acquaint teachers with theories and methods of visual instruction and to furnish experience in the utilization of audio-visual aids.
- 150 **Directed Teaching — Elementary Level (2—8)**
Prerequisite: Education 104 and 111.
Observation and experience in teaching under supervision in the public elementary schools of Los Angeles.
- 158 **Methods of Teaching Spanish in the Elementary School (2)**
- 159 **Techniques of Counseling (3)**
Prerequisite: Education 130 or equivalent.
An advanced course in counseling and guidance.
- 170 **Secondary Education (2)**
Required of all students preparing for general secondary, special secondary, or junior high school credentials.
Secondary education in the United States. Basic principles upon which modern school practices are founded. Student and teacher relationships, changing policies in secondary education.
- 201 **Supervision of Instruction and Curriculum—Elementary Schools (2)**
- 211 **Supervision of Instruction and Curriculum—Secondary Schools (2)**

ENGINEERING

- G.E. 101 Route Surveying (3)**
Prerequisite: L.A.C.C. C.E. 1 and 2.
Two lectures and one three-hour field section.
Reconnaissance, preliminary and location surveys; simple, compound and transition curves; calculations of earthwork and other quantities; correlated field problems.
- E.E. 102 Alternating Current Circuits and Machinery (4)**
Prerequisite: E.E. 101.
Three hours of lecture and one three-hour laboratory per week.
A study of single-phase alternating current circuits and machinery. Emphasis is placed on the effects of resistance, inductance and capacity in alternating current circuits.
- G.E. 101A-101B Strength of Materials (3-3)**
Prerequisites: L.A.C.C. G.E. 2; Math 12; Physics 1 and 2.
Elastic and ultimate resistance of materials; stress analysis, deflections and combined stresses.
- G.E. 101C. Engineering Materials Laboratory (1)**
- G.E. 102A-102B Analytical Mechanics (3-3)**
Prerequisites: L.A.C.C. Physics 1 and 2; Math 12 may be taken concurrently.
An introductory course in applied mechanics; the work of this course is laid out for students in engineering.

ENGLISH

- 100 **Introduction to the English Language (3)**
A study of contemporary accidence and syntax in English with comparison of Latin, German, and other languages to show the function of case, tense, etc.; and the peculiarities of the English sentence. Also a historical survey of the evolution of English grammar, spelling, pronunciation and vocabulary. Recommended for candidates for the teaching credential. Required of all candidates with a major or minor in English.
- 101 **Classic Literature (3)**
Through the Augustan period.
- 107 **Advanced Composition (3)**
Analysis of the patterns upon which exposition, narrative, description, drama and verse are organized, with practice in writing. The course will make some study of semantics and of the use and effect of different figures of speech.
- 110 **Créative Writing (2)**
With emphasis upon methods of teaching creative writing in elementary, junior high school, and senior high school classes and the evaluation of student work in poetry and prose.
- 112 **Children's Literature (3)**
Prerequisite: English 1 and 2.
A methods course which may be used for elementary teacher credential. A survey of the literature available for children in the primary and intermediate grades. The function of literature in the child's development, and social patterns usually transmitted through this medium. Practice in the skill of reading aloud and extemporaneous story-telling.
- 116 **Shakespeare (3)**
The aim is to present a picture of the Elizabethan pastoral and festival spirit in the pastoral comedies; the awakened interest in antiquity in the Roman tragedies; the popular revenge tragedy; and the sonnets. The method is the informal reading of a representative play from each group.
- 130A-130B **American Literature (3-3)**
A study of American letters up to the conclusion of the Civil War, or during the period of acceptance and gradual adaptation of European models. A survey of American literature from the beginning to 1860, and from 1860 to the present day; a study of the chief American writers, with special reference to the development of literary movements and types.
- 177 **The Romantic Age 1784-1832 (3)**

FRENCH

- 101A-101B **Composition, Oral and Written (3-3)**
- 109A **Survey of French Literature and Culture (3)**
The Middle Ages, the Renaissance, and the seventeenth century.
- 109B **Survey of French Literature and Culture (3)**
Prerequisite: Course 109A.
The eighteenth, nineteenth, and twentieth centuries.

GEOGRAPHY

- 109 **The Geography of the Pacific Area (3)**
Regional examination of the physical and cultural features of eastern Asia, Oceania, and the west coasts of North and South America; major stress upon geographic factors influencing contemporary events.

161 The Conservation of Natural Resources (3)

Prerequisite: Geography 1 or 4 or the consent of instructor.

The general principles of conservation and their application to soils, forests, minerals, and other natural resources.

GEOLOGY**103 Geology of the National Parks (3)**

Not open to students who have had L.A.C.C. Geology 53.

Our national parks, with a few exceptions, are outstanding examples of geologic phenomena. This course is designed to show how each example was developed.

GERMAN**101A-101B Conversation and Composition (3-3)**

Prerequisite: German 4 or equivalent with a grade of at least "C."

HISTORY**111A Ancient History (3)**

Greek history to the Roman Conquest.

111B Ancient History (3)

Roman history.

147 Recent European History (3)

The course of Europe in the twentieth century; political, military, economic, and social developments from the inception of World War 1 to the present.

150 Diplomatic History of the United States (3)

Survey of the foreign relations of the United States since the Revolution, with special attention to contemporary diplomacy and diplomatic problems.

174 Recent United States History (3)

The political, economic, and social history of the United States since 1900.

178 Economic History of the United States (3)

A survey of American economic development and of national legislation in the field of industry and commerce.

188 History of California (3)

The social, economic, and political development of California from the Spanish times to the present, with emphasis upon current trends, characteristics, and problems.

189 History of the Far East (3)

Social, economic, and political development of Far East.

190 History of the Pacific Area (3)

Synthesis of the historical development of eastern Asia, Oceania, and the Pacific, with special attention to the United States and to current problems.

198 History of Latin-America (3)

Historical survey of the Americas south of the Rio Grande; main currents in their national, economic, and social evolution to the present.

ITALIAN**103A-103B Survey of Italian Literature (3-3)****JOURNALISM****184 Newspaper Advertising (2)**

Functions and methods of operating the advertising department of a newspaper. Emphasis is given to the writing of copy and making layouts.

LAW

- 103 Real Estate and Property (3)**
Not open to students who have had L.A.C.C. Law 3.
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.
- 107 Negotiable Instruments (2)**
Not open to students who have had L.A.C.C. Law 7.
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.

MATHEMATICS

- 108 Theory of Algebraic Equations (3)**
Prerequisite: L.A.C.C. Math 11.
An introduction to upper division mathematics, especially for those who look forward to secondary teaching. Required for a mathematics major at most institutions.
- 114 Vectors and Allied Topics (2)**
Prerequisite: May be taken only in conjunction with, or subsequent to L.A.C.C. Math 11.
Not open to students who have had L.A.C.C. Math 14.
The selection of topics for this course is made upon the basis of their usefulness in applications. They include: Empirical equations, trigonometric series, least squares, complex numbers, and the elements of vector theory.
- 115 Differential Equations and Applications (2)**
Prerequisite: May be taken only in conjunction with, or subsequent to L.A.C.C. Math 12.
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.
- 121 Advanced Calculus (3)**
Prerequisite: L.A.C.C. Math 12.
To be followed by Mathematics 122, the two courses constituting a year's work in calculus beyond Mathematics 12. Should be taken by all who expect to do graduate work in mathematics or physics.
- 197 Secondary School Mathematics (3)**
A course in practicable methods designed for and required of all students doing directed teaching in mathematics.

MUSIC

- 125 Introduction to Public School Music (1)**
A general orientation course to meet the needs of the classroom teacher in elementary education. Emphasis placed on performance and listening, vocal technique, the study of material used in concert and radio programs, and the place of music in civilization.
- 126 Kindergarten-Primary Music (2)**
Consideration of music in relation to the growth needs of children; available music texts and song repertory; rhythms, rhythm bands, and dramatic play.

127A-127B String Ensemble (1-1)

A course for the advanced student designed to develop proficiency in playing with others. Selection and preparation of appropriate music for public performance.

137 Methods of Teaching Orchestral Instruments (3)

Practical study of the strings and wind and percussion instruments; problems of organizing instrumental classes.

148 Piano Methods (1)

A course to prepare students in the use of the piano in music teaching, including sight reading, transposition, and improvising accompaniments to songs.

153 History of Music (2)

A course tracing the growth of music from primitive times, through the Christian era to modern times.

154 Music Appreciation (2)

A study of the classical, romantic, and modern music suitable for use in the elementary school.

155A-155B A Cappella Choir (1-1)

The study and performance of standard choral works.

158A-158B Music Theory and Composition (3-3)

Prerequisite: Consent of instructor.

A review of diatonic harmony; melodic and harmonic dictation; chromatic alteration; and practical application to composition in elementary forms.

NATURE STUDY**120 Nature Study (3)**

Prerequisite: 6 units of Natural History, or 3 units plus L.A.C.C. Biology 12, taken concurrently.

Lecture, 2 hours; laboratory, 3 hours (i.e. demonstration or field).

The California environment of animal and plant communities in climatic-geographic setting and the effect of biological associates upon human economy and culture. This is a content and orientation course designed to aid prospective teachers in developing practical ways of presenting science material.

PHILOSOPHY**104 Ethics (3)**

Prerequisites: 9 units from Anthropology 1, Sociology 1, 2, Economics 1, 2, Political Science 3, 4, Psychology 21, 22, Philosophy 20, 21.

Morality in theory and practice—the history and development of ethical theory.

121 Political Philosophy (3)

Prerequisite: Consent of instructor.

A study of the development of government, showing its relation to the development of science or philosophy, and its issue in present day form.

PHYSICAL EDUCATION**101 Principles of Community Recreation (2)**

General principles of organization and promotion of leisure time and recreation activities. A study of city, county, state, and national recreation organizations; construction, equipment, and organization of the playground program.

102 Festivals and Pageants (2)

History and scope of festivals; stage construction and techniques, stage-grouping and stage productions.

- 103 **Social Recreation Leadership (2)**
Co-educational activities that are suited for the various age levels, emphasis being placed on adult activities.
- 104 **Art and Handcraft in Recreation (2)**
An elementary course in the various types of handiwork to be found upon the recreational scene.
- 123 **Games of Low Organization (2)**
Classification, principles of organization, and technique and practice in teaching games and rhythmic activities suitable for playgrounds and elementary and nursery schools.
- 132 **Basic Rhythms (2)**
Fundamental rhythms; the place and function of rhythm as an element in physical education. Designed to give major and minor students instruction and practice in fundamental dance steps—to include folk, character and social dances.
- 138 **Kinesiology (Applied Anatomy) (2)**
Prerequisite: Biology or Zoology; Anatomy and Physiology.
A study of the principal types of muscular exercises and their reaction on the various parts of the body.
- 139 **Applied Physiology (2)**
Prerequisite: P.E. 138.
A study of the effect of physical exercise, etc., upon circulation, respiration, and other physiological processes.
- 145 **History and Principles of Physical Education (2)**
Development of physical education principles and institutions with reference to their bearing on present day physical education problems. The implication of organic, neuro-muscular, emotional and intellectual developmental objectives in physical education.
- 150 **Philosophy of Leisure (2)**
Historical implications of amounts of leisure. Contrast of historical viewpoint relative to free time. Leisure's use and need in political and social ideologies.
- 151 **Community Organization for Recreation (2)**
Contributions of the various private, municipal, state and national organizations to recreation for all ages. Procedures for coordination of recreational agencies in a community.
- 152 **Administration of Recreation (2)**
Principles and best practices of administering private, municipal, county, state, industrial and commercial programs. Preparation of budgets, laws related to recreation, promotion techniques, standards for selection and licensing and training of personnel.
- 153 **Methods of Physical Education (4)**
Prerequisite: Senior standing.
An advanced course in the technique of teaching classes in physical education.
- 154 **Directed Practice in Recreational Leadership (3)**
Practical experience as a leader of activities upon the playground.
- 166 **Organization and Administration of Physical Education and Athletics (3)**
Planning and constructing the gymnasium as an athletic plant; arrangement and care of equipment; care and administration of courts, fields, buildings; organization of staff, leaders, programs, and schedules.

- 167 **Principles of Corrective Physical Education (2)**
Prerequisite: P.E. 138.
Group and school class procedure in the administration of individual exercise for the correction of various functional disorders and structural defects.
- 168 **Tests and Measurements in Physical Education (2)**
Anthropometrical tests and measurements; functional tests, achievement tests, their interpretation and uses in the physical education department.
- 169 **Seminar in Physical Education Problems (2)**

POLITICAL SCIENCE

- 101 **American Institutions (2)**
This course satisfies the "Requirement of American Institutions." It is not open for credit to students who have had Pol. Sci. 10 at Los Angeles City College.
- 114 **Public Opinion (3)**
Nature of public opinion and methods of influencing it. Pressure groups, political parties, press, radio; government and the formation of public opinion.
- 127 **International Relations (3)**
An introduction to the study of international relations, international organizations, development of international law, the forces and motives which influence international politics. The first semester emphasizes European Relations; the second, Far Eastern relations.
- 143A-143B **Principles of Public Administration in the United States (3-3)**
A study of the development of executive agencies in the American Federal Government and the relationship between these agencies and the changes in American concepts concerning the proper field of governmental activity.
- 157A-157B **Constitutional Law (3-3)**
Principles of Constitutional Law. Powers of federal and state governments. Rights of the individual under American constitutional system.

PSYCHOLOGY

- 100 **Survey of Psychology (3)**
No prerequisite.
The facts and principles pertinent to everyday life are stressed. This course traces the development of behavior from the infant through the subsequent development of adult modes of response, such as emotion, attention, habit, thinking, and the nature and development of personality. Not open to students who have had Psychology 21.
- 101 **Applied Psychology (2)**
Prerequisite: Psychology 21 or 100.
A systematic discussion of problems, methods, and typical results of psychology as applied in the fields of medicine, law, education, and business.
- 108 **Mental Hygiene (2)**
Prerequisite: Psychology 21 or 100.
A general survey of the principles of mental hygiene. A study of social and emotional adjustment and personality in the light of principles of mental hygiene. Adjustment problems of the college student.
- 110 **Abnormal Psychology (3)**
Prerequisite: Psychology 21 or 100.
Historical overview of abnormal psychology; criteria of abnormal and normal

behavior; symptomatology; disturbing forces in personality formation; therapeutic considerations. Emphasis will be placed on the dynamic factors rather than description as such.

112 Child Psychology (2)

Prerequisite: Psychology 21 or 100.

The psychological development of the child from infancy to adolescence. Effects of the school and out-of-school activities on development. Consideration of the environment and parent-child relationships in general.

113 Psychology of Adolescence (2)

Prerequisite: Psychology 21 or 100.

Outstanding characteristics of the adolescent boy and girl; the educational and social problems arising at this period, and some means of dealing with these problems.

114 Experimental Psychology (3)

Prerequisite: Psychology 21 or 100.

Experiments on reaction tendencies, skill, perception, learning, and problem solving.

134 Genetic Psychology (2)

Prerequisite: Psychology 21 or 100.

This course presents the facts of human development. Topics considered are: physical development, particularly with reference to the development of the nervous system; inheritance of mental traits, innate tendencies, their characteristics, description, and modification; play; mental states; moral and religious development; development of personality.

145 Psychology of Social Behavior (3)

Prerequisite: Psychology 21 or 100.

The nature of the social environment and the psychological structure of the social forces operating on the individual. Psychological description of the factors involved in the development of the social aspects of personality and the individual's sensitivity to the social environment. Description and evaluation of the methods of measurement employed by the social psychologist.

146 Criminal and Legal Psychology (3)

Prerequisite: Psychology 21 or 100.

Psychological factors in the determination of reliability of testimony; the technique of detecting crime and falsehood; the relation of crime to mental disease or defect; the prevention of crime through environmental factors and heredity.

147 Psychology of Public Opinion (2)

Prerequisite: Psychology 21 or 100.

The influence of imitation, suggestions, transfer of emotions, postural set, and defense mechanisms on public attitudes. Psychological factors in leadership and morale.

153 Industrial Psychology (2)

Prerequisite: Psychology 21 and 22 or 100 and Education 109 or a course in Statistics (Mathematics 40).

An introduction to psychological techniques used in modern industry, with special emphasis on the use of tests in employee selection and placement. Attention will be given to the psychological aspects of employee evaluation and of safe work practices. Problems of fatigue, work efficiency and of employee morale will be considered.

154 Clinical Psychology (3)

Prerequisite: Consent of instructor.

Behavior of normal children. Dynamics of personality development.

SECRETARIAL

102A-102B Medical Secretarial (3-3)

Not open to students who have had L.A.C.C. Business 125 A, B.

Prerequisite: L.A.C.C. Business 56 and 60, or equivalent.

Shorthand theory as applied to medical terminology; familiarity with the Medical Index Medical Directory, medical magazines, and the form and style of medical writing. Pathological indexing and filing; dictation of medical material, letters, and case histories.

195 English of Commerce (3)

Not open to students who have had L.A.C.C. Business 95.

Prerequisites: English 1, Business 59, or equivalent.

A course designed to build effective command of English for the transaction of business. Development of letter-writing principles and techniques; development of general and business vocabulary; review drills in spelling, grammar, and punctuation.

197 Legal Secretarial (3)

Not open to students who have had L.A.C.C. Business 97.

Prerequisites: L.A.C.C. Business 56 and 60.

Lecture, 2 hours; laboratory, 1 hour.

Development of legal vocabulary; correct techniques in handling legal forms; law office procedure, including filing, receiving callers, recording progress of active cases; preparation of simple pleadings from dictation.

198 Legal Secretarial (3)

Not open to students who have had L.A.C.C. Business 98.

Prerequisite: L.A.C.C. Business 57 and 97 or 197.

Lecture, 3 hours.

Development of speed in legal dictation to the minimum requirement of 120 words per minute; advanced law office procedure; preparation and handling of all pleadings and necessary forms.

SPANISH

101A-101B Conversation and Composition (3-3)

Prerequisite: Spanish 4 or equivalent with at least "C" grade.

102A-102B Survey of Spanish Literature (3-3)

Prerequisite: Spanish 4 or equivalent with at least a "C" grade and consent of instructor.

SPEECH

110 Advanced Interpretation (3)

Prerequisite: L.A.C.C. Speech 2 or consent of the instructor.

The application of the techniques of oral reading, the various forms of non-dramatic literature, story telling, etc.

155 Intercollegiate Debate (3)

Prerequisite: L.A.C.C. Speech 8 or consent of instructor.

A course giving credit for activity in debate under the direction of the instructor.

SOCIOLOGY

170 Marriage and Modern Family (3)

Social, psychological and organic factors influencing marital relationships.

The family as a social institution; its function and history; the relation of parent and child.

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