

R E P O R T R E S U M E S

ED 014 311

JC 67G 978

ARTICULATION AGREEMENTS BETWEEN THE UNIVERSITY OF CALIFORNIA AT LOS ANGELES, CALIF. ST. COLL. AT LONG BEACH, SAN FERNANDO VALLEY ST. COLL., AND THE UNIV. OF SOUTHERN CALIF., AND COLLEGES OF THE L.A. CITY JUNIOR COLLEGE DISTRICT. (TITLE SUPPLIED).

LOS ANGELES CITY SCHOOLS, CALIF.

PUB DATE 1 OCT 67

EDRS PRICE MF-\$0.75 HC-\$6.08 150P.

DESCRIPTORS- *JUNIOR COLLEGES; *HIGHER EDUCATION, *ARTICULATION (PROGRAM), TRANSFER PROGRAMS,

DESIGNED TO FACILITATE THE PLANNING OF PROGRAMS FOR TRANSFER STUDENTS, AGREEMENTS HAVE BEEN NEGOTIATED BETWEEN THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT AND EACH OF FOUR SENIOR INSTITUTIONS. DISPLAYS SHOW JUNIOR COLLEGE COURSES ACCEPTABLE FOR MEETING SENIOR INSTITUTION REQUIREMENTS IN GENERAL EDUCATION, MAJOR FIELDS, AND TEACHER EDUCATION. GENERAL LISTINGS SHOW ALL TRANSFER COURSES OFFERED BY THE JUNIOR COLLEGES WITH PARALLEL COURSE DESIGNATIONS AT THE 4-YEAR INSTITUTIONS. (HH)

ED014311

LOS ANGELES CITY SCHOOLS
Division of Instructional Planning and Services
Instructional Planning Branch
Office of the College Curriculum Coordinator

ARTICULATION AGREEMENTS

Between

THE UNIVERSITY OF CALIFORNIA, LOS ANGELES

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

City College
East Los Angeles College
Harbor College
Pierce College
Southwest College
Trade-Technical College
Valley College

Revised: October 1, 1967

ALL PREVIOUS EDITIONS ARE OBSOLETE

- PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS
- PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS
- A. College of Fine Arts
 - B. College of Letters and Science
- PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, UNIVERSITY WIDE, AND
UCLA COURSES FOR WHICH ACCEPTABLE

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

U. S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

JC 670978

LOS ANGELES CITY SCHOOLS
Division of Instructional Planning and Services
Instructional Planning Branch
Office of the College Curriculum Coordinator
November 20, 1967

Change Bulletin No. 1

ARTICULATION AGREEMENTS -- U.C. LOS ANGELES, 1967-68

Please make changes indicated:

Add items which are underlined.

Delete items which are lined through.

- p. 35. ARCHITECTURE
12. (Maximum: 1 unit)
- p. 37. ENGINEERING
7 with 8 Engineering 15AB
~~8, 15~~
- p. 37. ENGLISH
(Maximum: two courses, 6 units, from English ~~24, 25, 27~~)
- p. 38. GEOLOGY
1 with 6 Physical Science 3G
2 with 7 Geology 4
- p. 42. PHYSICAL EDUCATION
17a, 18a, 19a, 20a, 21a, 22a, 23a, 29a, 30a, 31a, 32a, 33a,
39a, 50a, 60a
(Maximums: 1 unit from PE 17, 18, 19
1 unit from PE 20, 21, 22, 23, 29
1 unit from PE 31, 32, 33, 39)
30. (Maximum: 2 units)

I N T R O D U C T I O N

The parts of this bulletin have been developed through negotiations between the University of California Office of Relations with Schools, and the Los Angeles City Schools' College Curriculum Office. The purpose of these agreements is to enable the prospective UCLA student attending a junior college to complete the first two years of his baccalaureate objective, with courses which meet the requirements for his particular major, as well as the breadth or general education requirements.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the catalogs of the respective colleges and of the University.

In planning his two-year junior college program, the student should first consider the requirements for the Major. Next, he should plan to complete as many of the general requirements as possible. (A given course may be applied to both the major and general education requirements). The including of electives which do not meet either the Major or General Requirements, could result in extending the time required for completion of the bachelor's degree.

With the exception of Engineering, the undergraduate Majors at UCLA are under the jurisdiction of either the College of Fine Arts or the College of Letters and Science. Letter symbols after the Major title are for the purpose of referring the student to the pattern of general education related to his major:

FA College of Fine Arts
LS College of Letters & Science

To guide the student in the selection of electives, Part III lists all courses acceptable for transfer credit, including those applicable to the various requirements. All these courses are transferable to any branch of the University for credit, but may differ as to their applicability to majors or general education requirements at the various branches.

CONTENTS

	Page
Introduction	ii
 PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS	
African Studies Special Program - Anthropology Major	1
Arabic Major - Botanical Sciences Major	2
Business Administration - Chemistry Major	3
Chinese Major - Dance Major	4
Earth Physics & Exploration Geophysics Major - Engineering Curriculum	5
English Major - French Major	6
Geography Major - Hebrew Major	7
History Major - International Relations Special Program	8
Italian Major - Latin American Studies Major	9
Latin and Greek (The Classics) Major - Music Majors	10
Near Eastern Studies Major	11
Philosophy Major - Physical Education Major	12
Physical Sciences/ Mathematics Major	13
Physics Major - Precriminology Curricula	14
Predental Curriculum - Predental Hygiene Curriculum	15
Premedical Studies	16
Prenursing Curriculum	17
Prenutritional Sciences Curriculum	18
Prepharmacy Curriculum	19
Prephysical Therapy Major - Prepublic Health Curriculum	20
Presocial Welfare Major - Psychology/ Mathematics Major	21
Public Service Major - Scandinavian Languages Major	22
Slavic Languages Major - Social Sciences for Elementary Teachers Major	23
Sociology Major - Speech Major	24
Theater Arts Major	25
Zoology Major	26
 PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS	
A. College of Fine Arts	27-29
B. College of Letters and Science	30-33
 PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, UNIVERSITY WIDE, AND UCLA COURSES FOR WHICH ACCEPTABLE	
Accounting - Arabic	34
Architecture - Botany	35
Broadcasting - Engineering, Civil	36
Engineering, General - Fruit Crops	37
Geography - Hebrew	38
History - Italian	39
Japanese - Mathematics	40
Meteorology - Music	41
Paleontology - Physical Science	42
Physics - Sociology	43
Spanish - Theater Arts	44
Zoology	45

LOS ANGELES CITY SCHOOLS
 Division of Instructional Planning and Services
 Instructional Planning Branch
 Office of the College Curriculum Coordinator

PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

UCLA REQUIRED COURSES

LAC COURSES WHICH MEET THE REQUIREMENT

AFRICAN STUDIES SPECIAL PROGRAM (LS)

Since the underlying philosophy of the program in African Studies is that persons with a firm grounding in one of the established disciplines can make the best contribution to an understanding of Africa and its problems, the program can be taken only jointly with work toward a bachelor's degree in one of the following fields: anthropology, economics, geography, history, Near Eastern and African languages, political science, or sociology.

Preparation: Introductory courses in any four of the five following departments.

Anthropology 2A-2B

Anthropology 5-6 or
 Anthropology 2
 (partially meets requirement)

Economics 1-2 or
 Economics 100

Economics 1-2

Geography 1A-1B or
 Geography 101

Geography 1-2

History 1A-1B-1C or
 History 5A-5B

History 1-2 or
 History 3-4

Sociology 1A-1B-1C or
 Sociology 101

Sociology 1

ANTHROPOLOGY MAJOR (LS)

Anthropology 1A-1B
 Anthropology 2A-2B

 Anthropology 5-6 or
 Anthropology 2 (partially meets
 requirements)

Anthropology 80A-80B

UCLA COURSES

LAC COURSES

ARABIC MAJOR (LS: Near Eastern and African Languages)

Arabic 1A-1B-1C

Arabic 1-2

ART MAJORS (FA)

(1) Art History
Art 1A-1B-1C

Art 1-2

(2) Pictorial Arts
Art 1A-1B-1C (any two of the three)
Art 10A-10B
Art 20A-20B
Art 25

Art 1-2
Art 20-24
Art 22-23
Art 37

(3) Design
Art 1A-1B-1C
Art 30A-30B

Art 1-2

One course selected from the following:

Art 10A
Art 25
Art 1A, 1B or 1C

Art 20
Art 37
Art 1 or 2

ASTRONOMY MAJOR (LS)

Mathematics 11A-11B-11C-12A-12B-12C

Mathematics 4-5-6-11-13 or
7-8-11-13

Physics 1A-1B-1C-1D

Physics 1-2-3-4

Recommended: a reading knowledge of French, German, and/or Russian

BACTERIOLOGY MAJOR (LS)

Biology 1A-1B-1C
Chemistry 1A-1B-1C
Chemistry 4A-4B-4C-6A-6B-6C
Mathematics 3A-3B-3C
Physics 2A-2B-2C

Biology 6-7 or Zoology 1-2
Chemistry 1-2-5
Chemistry 14-15
Mathematics 4-5-6-11 or 7-8-11
Physics 6-7

BOTANICAL SCIENCES MAJOR (LS)

Biology 1A-1B-1C
Chemistry 1A-1B-1C
Chemistry 4A-4B-4C-6A-6B-6C
Physics 1A-1C-1D
Mathematics 3A-3B-3C

Biology 6-7 or Zoology 1-2
Chemistry 1-2-5
Chemistry 14-15
Physics 1-3-4
Mathematics 4-5-6-11 or 7-8-11

UCLA COURSES

LAC COURSES

BUSINESS ADMINISTRATION (LS)

Business Administration is no longer an undergraduate major. For those who wish to prepare for admission to the Graduate School toward an M. S. in Business Administration degree, the following plan is recommended:

American History and Institutions

One course in American History and Institutions

Foreign Language (reducible to zero by prior work) 5 courses

Foreign Language through course 3, or if two years completed in high school, through course 2 of a second language

English 1A
Economics 1-2
Business Administration 1A-1B
Mathematics 2C or 11A

English 1
Economics 1-2
Accounting 1-2
Mathematics 1-2

Physical Sciences, 3 courses
Life Sciences, 3 courses
Social Science (other than Economics),
4 courses
Humanities, 2 courses
Limited Electives, 2 courses

See Part II, General Education (LS)
for courses authorized

CHEMISTRY MAJOR (LS)

Chemistry 1A-1B-1C
Chemistry 4A-4B-4C-6A-6B-6C
English 1
English 2 or an upper division course
in English
Physics 1A-1B-1C-1D

Chemistry 1-2-5
Chemistry 14-15
English 1
English 2

Physics 1-2-3-4

Mathematics 11A-11B-11C and
Mathematics 12A-12B or 13A-13B

Mathematics 4-5-6-11-13 or
Mathematics 7-8-11-13

German 1-2-3 or
Russian 1-2-3
and a fourth language course in German,
Russian, or French

German 1-2 or
Russian 1-2

German 3 or Russian 3

Students should note that a reading knowledge of German is usually necessary for graduate study in Chemistry.

UCLA COURSES

CHINESE MAJOR (LS: ORIENTAL LANGUAGES)

Oriental Languages 1B-1C
Oriental Languages 9A-9B-9C
Oriental Languages 40A
History 9B-9C

Recommended:
Anthropology 1A-1B

CLASSICS MAJOR (LS)

The student may take the major in Greek, in Latin, or in the Classics (i.e., Greek and Latin). All majors in the Department of Classics require the same lower division work, as follows:

Required:

12 language courses, six in Greek and six in Latin. The high school courses which a student may apply toward the fulfillment of this requirement will be determined by a placement test.

DANCE MAJOR (FA)

Dance 35
Dance 36A-36B-36C
Dance 37A-37B-37C
Dance 38
Dance 70A
Psychology 10.
Physical Education 15

Two courses, including at least one marked with an asterisk, chosen from the following:

Art 1A-1B-1C*
Art 10A*-10B*
Art 25
Art 30A
Humanities 1A-1B
Music 2A-2B
Theater Arts 58

LAC COURSES

Chinese 1-2
Japanese 1-2
Chinese 10

Recommended:
Anthropology 1

Latin: Latin 1-2
No equivalent for
Greek 1-2

Psychology 1
Anatomy 1 with Physiology 1 or 3

Art 1-2
Art 20-24
Art 37

English 3-4
Music 32-33
Theater Arts 5

UCLA COURSES

LAC COURSES

EARTH PHYSICS AND EXPLORATION GEOPHYSICS MAJOR (LS)

Option 1. Exploration Geophysics

Chemistry 1A-1B-1C
Physical Science 3G
Geology 4
Mathematics 11A-11B-11C-12A-12B-12C
Physics 1A-1B-1C-1D

Chemistry 1-2
Geology 1 with 6; or Geology 4
Geology 2 with 7; or Geology 5
Mathematics 4-5-6-11-13 or
7-8-11-13
Physics 1-2-3-4

Option 2. Earth Physics

Chemistry 1A-1B-1C
Mathematics 11A-11B-11C-12A-12B-12C
Physics 1A-1B-1C-1D

Chemistry 1-2
Mathematics 4-5-6-11-13 or
7-8-11-13
Physics 1-2-3-4

ECONOMICS MAJOR (LS)

Economics 1-2

Economics 1-2

One course in calculus and four lower or upper division courses in the social sciences other than economics. (Upon petition, a student in upper division standing may be permitted to substitute Economics 100 for Economics 1-2). Those who wish additional work in closely related fields while still in lower division standing can take:

Business Administration 1A

Accounting 1

ENGINEERING CURRICULUM (ENGR)

Freshman Year

Mathematics 11A-11B-11C
Chemistry 1A-1B-1C
Physics 1A
Engineering 6A-6B
Introductory Humanities (2 courses)
Subject A requirement must be met

Mathematics 4-5-6-11-12-13 or
Mathematics 7-8-11-12-13
Chemistry 1-2
Physics 1

2 courses from Literature,
Philosophy, Art or Music
Recommended: English 1

UCLA COURSES

LAC COURSES

ENGINEERING CURRICULUM (ENGR) (Cont.)

Sophomore Year

Mathematics 13A-13B-13C

Physics 1C-1D

Engineering 15A-15B

Engineering 16A-16B

Engineering 20A

Humanities elective and Major Field elective

Mathematics 4-5-6-11-12-13 or
7-8-11-12-13

Physics 3-4

Engineering, General 7-8

ENGLISH MAJOR (LS)

For advanced degrees, there is a requirement of a reading knowledge of French, German, and/or Latin.

Plan I

English 1-2
English 10A-10B-10C
History 5A-5B

English 1-2
English 5-6
History 3-4

Plan II

English 1-2
English 10A-10B-10C
Two one-quarter courses in English or
American History

English 1-2
English 5-6
Two courses in English or
American History

Speech 4

Speech 4

FRENCH MAJOR (LS)

French 1-2-3
French 4-5-6
French 7

French 1-2
French 3-4
French 5

Students receiving less than a grade of B in French 4 will take French 5 before proceeding with upper division work.

UCLA COURSES

GEOGRAPHY MAJOR (LS)

Geography 1A-1B
Geography 1C

ALL PROSPECTIVE MAJORS ARE ADVISED TO PLAN A LOWER DIVISION PROGRAM WHICH WILL ENABLE THEM TO TAKE ADVANCED WORK IN ONE OR MORE FIELDS OF CONCENTRATION WHICH ARE ALLIED TO GEOGRAPHY. A MATHEMATICS SEQUENCE SUCH AS MATHEMATICS 2A-2B-2C OR 3A-3B-3C or 11A-11B-11C IS ALSO RECOMMENDED.

GEOLOGY MAJOR (LS)

Physical Sciences 3G
Geology 4

Twelve courses in physical, mathematical, and life sciences, of which the following are required:

Chemistry 1A-1B-1C
Mathematics 11A-11B-11C
Physics 1A-1B (1C strongly recommended)

Biology 1A-1B-1C or
Biology 181A-181B

GERMAN MAJOR (LS)

German 1-2-3-4-5-6

GREEK MAJOR (LS) (See CLASSICS MAJOR)

HEBREW MAJOR (LS: Near Eastern and African Languages)

Hebrew 1A-1B-1C

LAC COURSES

Geography 1-2

Recommended:
Mathematics 4-5-6-11 or
7-8-11

Geology 1 with 6; or Geology 4
Geology 2 with 7; or Geology 5

Chemistry 1-2
Mathematics 7-8-11
Physics 1-2 (Physics 3 strongly
recommended)

Biology 6-7 or Zoology 1-2

German 1-2-3-4

Hebrew 1-2

UCLA COURSES

LAC COURSES

HISTORY MAJOR (LS)

History 1A-B-C

Three additional one-quarter courses, at least one of which shall be taken from the following:

History 8A-8B
History 9A-9B-9C-9D

History 1-2

History 5-6

History majors must take at least two one-quarter courses in U. S. History, either in lower division as part of the preparation for the major, or in the upper division as part of the major. If elected in lower division, the following courses are acceptable:

*History 6A-6B
*History 7A-7B

History 17-18
History 11-12

*NOTE: Credit will not be given for both 6A and 7A or for both 6B and 7B.

All history majors shall take at least four courses in other departments in the division of social sciences, whether lower or upper division. If elected in lower division anthropology, geography, economics, political science, sociology, or psychology, are acceptable except:

Psychology 12

Not acceptable: Psychology 2

Recommended:

French, German, Latin, Spanish, Italian, or Russian; for upper division work in history, a reading knowledge of one of these is useful.

INDO-EUROPEAN STUDIES MAJOR (LS: Classics)

12 units of Latin
12 units of Greek

Latin 1-2

INTERNATIONAL RELATIONS SPECIAL PROGRAM (LS)

History 1A-1B-1C or
any three of the following, singly
or sequentially:

History 5A-5B
History 8A-8B
History 9A-9B-9C-9D

History 1-2 or
any three of the following:

History 3-4
History 5-6

Political Science 1-2 and
three courses selected from the
following; singly or sequentially:

Political Science 1-7 and
any three of the following:

UCLA COURSES

LAC COURSES

INTERNATIONAL RELATIONS SPECIAL PROGRAM (LS)(Cont.)

Anthropology 1A-1B
 Anthropology 2A-2B
 Economics 1-2
 Geography 1A-1B
 Sociology 1A-1B

Anthropology 1-2
 Anthropology 5-6
 Economics 1-2
 Geography 1-2
 Sociology 1

This program can be taken only jointly with a major in political science, and the student completing the program will receive a degree with a major in political science and specialization in international relations.

ITALIAN MAJOR (LS)

Italian 1-2-3
 Italian 4-5-6
 Italian 8A-8B-8C
 Italian 25

Italian 1-2
 Italian 3-4
 Italian 8 (2 semesters)
 Italian 5

Recommended: Three courses in a second language, either Latin, French, Spanish, or German.

JAPANESE MAJOR (LS: Oriental Languages)

Oriental Languages 1A-1B-1C
 Oriental Languages 9A-9B-9C
 Oriental Languages 40B
 History 9B-9C

Chinese 1-2
 Japanese 1-2
 Japanese 10

Recommended: Anthropology 1A-1B

Recommended: Anthropology 1

LATIN MAJOR (See Classics Major)

LATIN AMERICAN STUDIES MAJOR (LS)

History 8A-8B
 *Portuguese 3

History 5-6
 Portuguese 3

*NOTE: Prerequisites for Portuguese 3 are Portuguese 1 and 2, or equivalent.

Portuguese 1-2

†Spanish 25

Spanish 5

†NOTE: Prerequisites for Spanish 25 are Spanish 1-5, or equivalent.

Spanish 1-2-3-4

UCLA COURSES

LAC COURSES

LATIN AND GREEK (THE CLASSICS) MAJOR (LS) (See Classics Major)

LINGUISTICS

- | | |
|---|---|
| (1) Three courses in Latin or Greek
(Greek, if Latin was studied in high school) | Latin 1-2
Greek 1-2 |
| (2) Course 6 in German, French, or Russian | German 4, French 4, or Russian 4 |
| (3) Sufficient lower division preparation in a foreign language other than that chosen in (2) above to enable the student to fulfill the Linguistics Major requirement in a single foreign language of three upper division courses in that language. | |
| (4) Philosophy 31 and
Philosophy 32 or
Anthropology 2A-2B | -----

Anthropology 2 or 5-6 |

MATHEMATICS MAJOR (LS)

Mathematics 11A-11B-11C-12A-12B-12C

Mathematics 4-5-6-11-13 or
7-8-11-13

Three courses in physical sciences other than Mathematics from:
physics, astronomy, chemistry, meteorology, or the general physical science sequences.

Recommended: Courses in physics

Strongly recommended: A reading knowledge of French, German, or Russian

METEOROLOGY MAJOR (LS)

Meteorology 4A-4B-4C
Physics 1A-1B-1C-1D
Mathematics 11A-11B-11C and
Mathematics 12A-12B-12C or 13A-13B-13C

Physics 1-2-3-4
Mathematics 4-5-6-11-13 or
Mathematics 7-8-11-13

MUSIC MAJORS (FA and LS)

Music 10A-10B-10C (all $\frac{1}{2}$ courses)
Music 11A-11B-11C (all $\frac{1}{2}$ courses)
Music 12A-12B
Music 13A-13B (both $\frac{1}{2}$ courses)

Music 2-3-4
Music 6-7-8
Music 12-13
Music 30-31

UCLA COURSES

LAC COURSES

MUSIC MAJORS (FA and LS) (Cont.)

Music 70A-70L. Performance Organizations
Students must take one course for three
quarters chosen from the following:

A Cappella Choir (A)
University Chorus (B)
Madrigal Singers (C)
Men's Glee Club (D)
Women's Choral Society (E)
Collegium Musicum (F)
Chamber Music (G)
University Orchestra (H)
Symphonic Band (J)
Marching and Varsity Bands (K)
Opera Workshop (L)

Take one course each semester
from the following:

Music 56, 57, or 58
Music 55
Music 59

Music 81
Music 74
Music 76 or 77

Music 54

NEAR EASTERN STUDIES MAJOR (LS)

The same Near Eastern language must be maintained in both lower and upper division.

Required:

Arabic 1A-1B-1C
or, in exceptional cases,
Hebrew 1A-1B-1C
History 1A-1B-1C
History 9D

Arabic 1-2
or, in exceptional cases,
Hebrew 1-2
History 1-2

Four social studies courses chosen from the following:

Anthropology 2A, 2B
Economics 1, 2
Geography 1B
Geography 10C
Sociology 1A

Anthropology 2 or 5, 6
Economics 1, 2
Geography 2
Geography 12
Sociology 1

Candidates must also obtain a reading proficiency in French, German, or Italian,
and give evidence, normally by examination, of their ability to read current
literature on Near Eastern studies (this requirement may be satisfied at any time
before graduation).

UCLA COURSES

LAC COURSES

PHILOSOPHY MAJOR (LS)

Four lower division philosophy courses including:

Philosophy 6-7 or
Philosophy 20-21
Philosophy 31

Philosophy 1-2 or
Philosophy 3-4

PHYSICAL EDUCATION MAJOR (LS)

All students are expected to demonstrate an acceptable level of performance in specified movement patterns through proficiency skills testing. Referral for instruction in appropriate activity areas will be made on the basis of individual test results.

Physical Education 1

Physical Education 1,2,3,4,5,
6,7,8 to a maximum of four
units

Physical Education 10A-10B

Also required, one of the following groups of allied and related field courses:

Plan I. Applied Field: Physiology

Chemistry 1A-1B-1C
Biology 1A-1B-1C

Chemistry 1-2
Biology 6-7 or Zoology 1-2

Recommended electives:

Chemistry 4A-4B-4C-6A-6B-6C
Mathematics through Calculus
Physical Education 15

Chemistry 5, 14-15
Mathematics through Calculus
Anatomy 1 with Physiology 1 or 3

Related Fields:

Psychology 10-12
Sociology 1A
Philosophy 6 or 7

Psychology 1-2
Sociology 1
Philosophy 1 or 2

Plan II. Allied Field: Psychology

Psychology 10-12

Psychology 1-2

UCLA COURSES

LAC COURSES

PHYSICAL EDUCATION MAJOR (LS) Plan II (Cont.)

Related Fields:

Physical Sciences 1-2

Biology 2A

Physical Education 15

Sociology 1A

Philosophy 6 or 7

Physics 11 or 12 and
Chemistry 3 or 4

Biology 1

Anatomy 1 with Physiology 1 or 2

Sociology 1

Philosophy 1 or 2

Plan III, Allied Field: Sociology

Sociology 1A-1B

Sociology 19

Anthropology 2A

Anthropology 12

Sociology 1; -----

Anthropology 2

Related Fields:

Physical Sciences 1-2

Biology 2A

Physical Education 15

Psychology 10-12

Philosophy 6 or 7

Physics 11 or 12 and
Chemistry 3 or 4

Biology 1

Anatomy 1 with Physiology 1 or 3

Psychology 1-2

Philosophy 1 or 2

PHYSICAL SCIENCES - MATHEMATICS MAJOR (LS)

This major is designed to provide training in sciences and mathematics for students who plan to work for a secondary teaching credential with physical sciences and general science as a major and mathematics as a minor.

Required:

Chemistry 1A-1B-1C

Chemistry 4A-4B

Chemistry 6A-6B

Mathematics 11A-11B-11C and
12A-12B-12C or 13A-13B-13C

Physics 1A-1B-1C-1D

Physical Sciences 3G

Physical Sciences 3M

Chemistry 1-2-5

Chemistry 7 or 14

Chemistry 15

Mathematics 4-5-6-11-13 or
7-8-11-13

Physics 1-2-3-4

Geology 1 with 6 or Geology 4

Geography 3 or Meteorology 3

UCLA COURSES

LAC COURSES

PHYSICS MAJOR (LS)

Physics 1A-1B-1C-1D
Chemistry 1A-1B-1C
Mathematics 11A-11B-11C-12A-12B-12C

Physics 1-2-3-4
Chemistry 1-2-5
Mathematics 4-5-6-11-13 or
7-8-11-13

POLITICAL SCIENCE MAJOR (LS)

Political Science 1

Political Science 1

PRECRIMINOLOGY CURRICULA (LS)

Criminology Curricula are offered only on the Berkeley campus.

Basic Program (all students):

English 1-2

English 1-2

Foreign Language (Modern), equivalent of
Course 3

Foreign Language (modern),
equivalent of Course 2

Sociology 1A-1B

Sociology 1; -----

Criminology (Social Science Emphasis)

Biology 2A-2B

Biology 1-2

Mathematics 50

Statistics 1

Political Science 1-2

Political Science 1-7

Psychology 10-70

Psychology 1-3

Criminalistics (Natural Science Emphasis)

Biology 1A-1B-1C

Biology 6-7 or Zoology 1-2

Chemistry 1A-1B-1C

Chemistry 1-2-5

Chemistry 4A-4B

Chemistry 7 or 14

Chemistry 6A-6B

Chemistry 15

Mathematics 3A or 11A

Mathematics 6 or 7

Physics 2A-2B-2C

Physics 6-7

Psychology 10

Psychology 1

In addition to the requirements listed above the student must complete the breadth requirements of the College of Letters and Science of Either UCLA or UCB. In meeting the UCLA breadth requirements, the Criminology major is considered to be in the Social Science division and the Criminalistics major in either Life Sciences or Physical Sciences.

For further information regarding these programs, the student should correspond with the School of Criminology, University of California, Berkeley.

UCLA COURSES

LAC COURSES

PREDENTAL CURRICULUM (LS)

The College of Letters and Science offers a predental curriculum designed to fulfill the basic educational requirements for admission to several dental schools as well as the general educational requirements of the College of Letters and Science.

The 90 quarter units (60 semester units) of work required for admission to the UCLA School of Dentistry include the following:

American History and Institutions

One course in American History and Institutions

English 1-2

English 1-2

Chemistry 1A-1B-1C

Chemistry 1-2-5

Chemistry 6A-6B

Chemistry 15

Physics 2A-2B-2C

Physics 6-7

Biology 1A-1B-1C

Biology 6-7 or Zoology 1-2

Social Sciences and humanities should also be included in the 90 quarter units (60 semester units) for which the student may consider such courses as anthropology, history, economics, psychology, political science, appreciation of art and/or music, and philosophy.

PREDENTAL HYGIENE CURRICULUM: TWO YEARS (LS)

The University offers a four-year program in dental hygiene leading to the degree of Bachelor of Science. The first two years may be taken at UCLA (or at a junior college); the latter two years must be taken at the School of Dentistry in San Francisco.

The 90 quarter units (60 semester units) required for admission to the School of Dentistry include general University requirements and additional specific requirements, as follows:

American History and Institutions

One course in American History and Institutions

English 1-2

English 1-2

Chemistry 1A-1B-1C

Chemistry 1-2-5

Chemistry 4A-4B

Chemistry 7 or 14

Chemistry 6A-6B

Chemistry 15

Biology 1A-1B-1C

Biology 6-7 or Zoology 1-2

Psychology 10 and one additional course

Psychology 1 and one additional course

Electives: Courses in social sciences and humanities (including foreign language).

UCLA COURSES

LAC COURSES

PREMEDICAL STUDIES: FOUR YEARS (LS)

Students who intend to apply for admission to a medical school and who wish to complete the requirements for a bachelor's degree before such admission should select a major within the College of Letters and Science. In addition to fulfilling the requirements of the chosen major, the student should satisfy requirements of medical schools to which he expects to apply.

PREMEDICAL STUDIES: THREE YEARS (LS)

It is important for the student to bear in mind that the class entering the School of Medicine is limited; in the past, a great many more students have applied than could be admitted. A student who finds himself excluded from the School of Medicine at the end of this three-year curriculum will be unable to obtain the bachelor's degree in the College of Letters and Science at the end of a fourth year unless he has planned his program with this contingency in mind. He should, therefore, enter a departmental major at the beginning of the third year, at the same time meeting all premedical requirements, or include in his premedical program a sufficient number of appropriate courses in some major department. Provision for the completion of such a major does not prejudice the student's eligibility for admission to the School of Medicine.

Students who fulfill the following curriculum requirements in the College of Letters and Science at Los Angeles and who are then admitted to the School of Medicine at Los Angeles without the Bachelor's degree may, by petition, upon satisfactory completion of the first year medical curriculum, be eligible for award of the degree Bachelor of Science in Premedical Studies by the College of Letters and Science).

The three-year program requires a total of not less than 34 courses (a maximum of 70 semester units may be transferred from a junior college) including:

American History and Institutions	One course in American History and Institutions
English I	English I

The UCLA Medical School does not require a foreign language. Students wishing an A.B. degree from UCLA may meet the language requirement as follows:

Foreign Languages, five courses	Foreign Languages, through course 4 in one language, or course 2 in two languages
---------------------------------	---

Chemistry 1A-1B-1C
Chemistry 4A-4B-4C-6A-6B-6C
Physics 2A-2B-2C
Mathematics 3A-3B-3C
Biology 1A-1B-1C
Zoology 107 and 115

Chemistry 1-2-5
Chemistry 14-15
Physics 6-7
Mathematics 4-5-6-11 or 7, 8, 11
Biology 6-7, or Zoology 1-2

UCLA COURSES

LAC COURSES

PREMEDICAL STUDIES: THREE YEARS (LS) (Continued)

Social Sciences, three courses
Humanities, three courses
Limited electives, two courses
Electives, three courses

Choose courses from L & S
General Education list
(PART II)

PRENURSING CURRICULUM: TWO YEARS (LS)

The University offers a four-year course leading to the Bachelor of Science degree in nursing. The prenursing curriculum in the lower division of the College of Letters and Science is designed to prepare students for the upper division program in the School of Nursing. The curriculum as set forth below includes the specific requirements for acceptance by the School of Nursing.

The student should apply for admission to the School of Nursing when 90 quarter units (60 semester units) have been completed (or are in progress) of the prenursing curriculum with a least a grade C (2.00) average.

Curriculum Requirements:

American History and Institutions

One course in American History and Institutions

Foreign language (completion of course 3, or three years of one language in high school)

Foreign language: completion of course 2 or three years of one language in high school

Elementary algebra and plane geometry

Mathematics 31, 32

English 1

English 1

Chemistry 1A-1B-1C
Chemistry 4A-4B-4C

Chemistry 1-2-5
Chemistry 14

Physical Sciences 1
(or a high school course in physics with grade of B)

Physics 11 or 12 (or a high school course in physics with a grade of B)

Bacteriology 100A-B
Biology 1A-1B-1C
Psychology 12

Biology 6, 7 or Zoology 1-2
Psychology 2

UCLA COURSES

LAC COURSES

PRENURSING CURRICULUM: TWO YEARS (LS) (Continued)

Anthropology 12
Psychology 10
Sociology 1A or Sociology 101
Two courses in literature or
Philosophy 6-7
Philosophy 20-21

Psychology 1
Sociology 1 or -----
Two courses in literature or
Philosophy 1-2 or
Philosophy 3-4

Two courses in art, history, literature, music or philosophy.

PRENUTRITIONAL SCIENCES CURRICULUM: TWO YEARS (LS)

The University offers a four-year program leading to the degree of Bachelor of Science in nutritional sciences. The prenutritional sciences curriculum in the lower division of the College of Letters and Science is designed to prepare students for the upper division program in the School of Public Health.

The specific requirements for acceptance by the School of Public Health are included in the curriculum as set forth below. Students should apply for admission to the School of Public Health upon completion of 90 quarter units (60 semester units) of this program with a grade C (2.00) average or better.

Curriculum Requirements:

American History and Institutions

One course in American History and Institutions

Foreign language (completion of course 3, preferably German)

Foreign language: completion of course 2, preferably German

Elementary algebra and plane geometry

Mathematics 31, 32

English 1-2

English 1-2

Chemistry 1A-1B-1C

Chemistry 1-2

Chemistry 4A-4B-4C-6A-6B-6C

Chemistry 14-15

Mathematics 3A-3B-3C

Mathematics 4-5-6-11 or 7-8-11

Physics 2A-2B-2C

Physics 6-7

Biology 1A-1B-1C

Biology 6-7 or Zoology 1-2

Three courses in social sciences including Economics 1. (Two courses must be in one department).

See left column Economics 1

Three courses in literature or three courses in philosophy.

Two courses in art, history, literature, music, or philosophy.

UCLA COURSES

LAC COURSES

PREPHARMACY CURRICULUM: TWO YEARS (LS)

The School of Pharmacy on the San Francisco campus of the University offers a four-year curriculum leading to the degree of Doctor of Pharmacy. To be admitted to this curriculum a student must have met all requirements for admission to the University and have completed, with an average grade of C (2.00) or better in the University of California or in another institution of approved standing, at least 90 quarter units (60 semester units) of the program set forth below. A student taking the prepharmacy work at the University of California normally will be enrolled in the College of Letters and Science.

Curriculum Requirements:

FIRST YEAR

English 1-2 or
Speech 1-2

Chemistry 1A-1B-1C

Trigonometry and intermediate algebra
(if not completed in high school)

English 1-2 or
Speech 1-2

Chemistry 1-2

Mathematics 3-20

Electives:

Six or seven elective courses should be selected from courses in foreign language, social sciences, and humanities offered in satisfaction of the lower division requirements of the College.

SECOND YEAR

Biology 1A-1B-1C

Physics 2A-2B-2C

Mathematics 3A-3B-3C

American History and Institutions

Electives

Biology 6-7 or Zoology 1-2

Physics 6-7

Mathematics 4-5-6-11 or 7-8-11

One course in American
History and Institutions

Electives

UCLA COURSES

LAC COURSES

PREPHYSICAL THERAPY MAJOR (LS)

(This major is being phased out. Please consult UCLA Physical Therapy Department for further details).

Required:

Psychology 10
Psychology 12
Chemistry 1A-1B-1C
Chemistry 4A-4B
Physics 2A-2B-2C
Mathematics 1
Physical Education 43

Psychology 1
Psychology 2
Chemistry 1-2-5
Chemistry 7 or 14
Physics 6-7
Mathematics 4

Recommended:

Physical Education 10A-10B

PREPUBLIC HEALTH CURRICULUM: TWO YEARS (LS)

Within the next year or so the School of Public Health will be a graduate school. The major preparing for graduate work may be in Biology, Chemistry, Mathematics, Psychology, or Sociology, depending upon the area in Public Health in which the student is interested.

Curriculum Requirements:

American History and Institutions

One course in American History and Institutions

Foreign language (completion of course 3 or three years of one language in high school)

Foreign language: completion of course 2 or three years of one foreign language in high school

Two years of high school mathematics

Two years of high school mathematics or Mathematics 31-32

English 1
Chemistry 1A-1B-1C
Mathematics 1 or 3A
Biology 1A-1B-1C

English 1
Chemistry 1-2-5
Mathematics 4 or 7
Biology 6-7 or Zoology 1-2

Social Sciences: two courses in one department and one in another.

Three courses in literature or three courses in philosophy

Three courses in literature or eight units in philosophy

Limited electives: two courses in art, history, literature, music or philosophy.

UCLA COURSES

LAC COURSES

PRESOCIAL WELFARE MAJOR (LS)

This major is designed to give the student what is currently regarded as the most suitable background for professional training at the graduate level in the School of Social Welfare. It also provides a broad foundation in the various social sciences. Completion of this major does not guarantee admission to a school of social welfare, and the student should consult his adviser regarding the specific requirements of the school he expects to enter.

Required:

Sociology 1A or
Sociology 101 and
Sociology 1B
Sociology 18-19
Mathematics 50

Sociology 1

Statistics 1

Recommended:

Anthropology 2A-2B

Anthropology 5-6 or Anthro. 2

PSYCHOLOGY MAJOR (LS)

Psychology 10
Biology 2A-2B
or
Biology 1A-1B-1C
Mathematics 2A or 3A

Psychology 1

Biology 1-2

or

Biology 6-7 or Zoology 1-2

Mathematics 24 or 7

PSYCHOLOGY-MATHEMATICS MAJOR (LS)

Provided as an alternate to the regular psychology major, this major is designed for students planning to go on for graduate work in those fields of psychology where mathematical training is more essential, e.g., measurement, experimental psychology, and theoretical psychology. Present-day trends indicate that mathematical skills are becoming more and more important to the research psychologist.

Preparation for the Major:

Biology 2A-2B or
Biology 1A-1B-1C
Psychology 10
Two courses in physics and/or chemistry
Mathematics 11A-11B-11C-12A-12B-12C

Biology 1-2 or
Biology 6-7 or Zoology 1-2
Psychology 1

See left column

Mathematics 4-5-6-11-13 or
7-8-11-13

UCLA COURSES

LAC COURSES

PUBLIC SERVICE MAJOR (LS)

This major, which combines work of several departments, prepares students for positions in governmental work other than foreign service. The major is of value also for students interested in careers as public relations counselors and personnel managers and in careers in private organizations that have extensive contacts with government. Governmental positions increasingly require specialized training in fields such as budgeting, personnel, planning, and governmental management. The major offers five possible fields of concentration: Public Personnel Administration, Public Management, Public Relations, Financial Administration, and Planning. In addition to regular positions with the government and government related private organizations, there are openings for part-time internship training in various governmental agencies in the Los Angeles area.

Preparation for the Major

Business Administration 1A-1B
Economics 1-2
Political Science 1
Mathematics 50
Speech 1

Accounting 1-2
Economics 1-2
Political Science 1
Statistics 1
Speech 1

In the following fields, other courses are prerequisite to upper division courses included in the major:

Public Personnel

Psychology 10

Psychology 1

Planning

Geography 1A-1B

Geography 1-2

SCANDINAVIAN LANGUAGES MAJOR (LS)

Scandinavian Languages 1-2-3-4-5-6
Scandinavian Languages 11-12-13-14-15-16

If planning graduate work, take the following also:

If planning graduate work, take the following also:

German 1-2-3-4-5-6

German 1-2-3-4

UCLA COURSES

5

LAC COURSES

SLAVIC LANGUAGES MAJOR (LS)

Russian 11-12-13-14-15-16
Slavic 99

SOCIAL SCIENCES FOR ELEMENTARY TEACHERS MAJOR (LS)

This major has been designed in accordance with the State law governing the elementary teaching credential. The program, which must be completed in its entirety for the bachelor's degree, consists of a social science major, an Allied Field in English, and a professional sequence in education. A fifth year is necessary for completion of the credential requirements. An alternate program is the departmental major in which the student may elect a departmental major and an appropriate teaching minor. Majors recommended by the School of Education are Anthropology, Art, English, French, Geography, History, Mathematics, Music, Spanish, and Theater Arts.

Preparation for the Major required of all students

Mathematics 38
Mathematics 3A
Music 2A
Psychology 10 or 12
History 1A-1B-1C
Geography 1A-1B or
Geography 101
English 1-2
English 10A-10B-10C

Mathematics 25 or 35
Mathematics 7
Music 32
Psychology 1 or 2
History 1-2
Geography 1-2

English 1-2
English 5-6

The Allied Field in English consists of three upper division courses. Lower division courses required for completion of this program will also meet all of the necessary English, Humanities and Limited Electives of the breadth requirements.

Recommended electives:

Anthropology 12
Art 1A-1B-1C
Art 10A
Public Health 44

Art 1-2
Art 20
Health 11

UCLA COURSES

LAC COURSES

SOCIOLOGY MAJOR (LS)

A student whose primary interest is in social welfare may fulfill either the requirements of the major in sociology or of the curriculum in presocial welfare.

Required:

Sociology 1A
Sociology 1B
Sociology 18-19

Recommended:

Anthropology 1A or
Anthropology 11
Anthropology 2A-2B
Economics 1-2
English 2
Geography 1A-1B

Mathematics 2A-2B-2C
and
Mathematics 12A

Philosophy 6-7 or 20-21
Political Science 1-2
Psychology 10

SPANISH MAJOR (LS)

Spanish 5
Spanish 25
Spanish 42
Spanish 44

SPEECH MAJOR (LS)

Speech 1-2
Speech 4

Sociology 1

Recommended:

Anthropology 1

Anthropology 5-6 or Anthro. 2
Economics 1-2

English 2

Geography 1-2

Mathematics 4-5-6-11 or
7-8-11 or
Mathematics 24 (2A-2B only)
and
Mathematics 13

Philosophy 1-2 or 3-4
Political Science 1-7
Psychology 1

Spanish 4
Spanish 5
Spanish 9
Spanish 10 (same as Hist. 23)

Speech 1-2
Speech 4

UCLA COURSES

LAC COURSES

THEATER ARTS MAJOR (FA)

The student majoring in Theater Arts must complete the requirements of the College of Fine Arts and the requirements under one of the following four specializations: theater, secondary teaching credential, motion picture, and television-radio.

Theater Specialization:

Theater Arts 5A-5B
Theater Arts 5C
Theater Arts 20A
Theater Arts 40 ($\frac{1}{2}$ course)
Theater Arts 41 ($\frac{1}{2}$ course)
Theater Arts 42 ($\frac{1}{2}$ course)

Theater Arts 5
Theater Arts 49
Theater Arts 44
Theater Arts 23
Theater Arts 19

Secondary Teaching Credential Specialization:

Theater Arts 5A-5B
Theater Arts 5C
Theater Arts 20A
Theater Arts 40 ($\frac{1}{2}$ course)
Theater Arts 41 ($\frac{1}{2}$ course)
Theater Arts 42 ($\frac{1}{2}$ course)
Humanities 1A-1B-1C or
English 10A-10B-10C

Theater Arts 5
Theater Arts 49
Theater Arts 44
Theater Arts 23
Theater Arts 19

English 3-4 or
English 5-6

Motion Picture Specialization:

Students electing to specialize in motion pictures for their B.A. degree are expected to complete the general University and College requirements before entering the motion picture program, although this would not prevent students from taking lower division film courses or film history courses coincident with their general studies.

Television-Radio Specialization:

Theater Arts 5A-5B
Theater Arts 5C
Theater Arts 20A
Theater Arts 108
Theater Arts 110
Theater Arts 136A

Theater Arts 5
Theater Arts 49
Theater Arts 44

Students are expected to complete the general University and College requirements concurrently with the above courses before entering the Television-Radio program.

UCLA COURSES

ZOOLOGY MAJOR (LS)

Biology 1A-1B-1C
Chemistry 1A-1B-1C
Chemistry 4A-4B-4C-6A-6B-6C

Mathematics 11A-11B-11C-12A-12B-12C

Physics 1A-1B-1C-1D

LAC COURSES

Biology 6-7
Chemistry 1-2-5
Chemistry 14-15

Mathematics 4-5-6-11-13 or
7-8-11-13

Physics 1-2-3-4

P A R T I I, A

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS,
COLLEGE OF FINE ARTS
(Includes departments of Art, Dance, Music, and Theater Arts)

A. General University Requirements

1. Subject A

This requirement is met by completing English 1 with a grade of "C" or better.

2. American History and Institutions

One course chosen from:
History 11, 12, 13, 14, 15, 17, 18 or 5 with 6 or
Political Science 1

B. General College Requirements

(Any course applied on one of the five general requirements may not also be applied on another of these requirements).

1. English Composition

English 1 and 2 with grades of "C" or better.

2. Foreign Language

Completion of course 3 in one language, or completion of course 2 in two languages. This requirement may also be met by completion of course 2 in one language with 2 years of another language taken in high school.

3. Natural Science

At least 8 units, including no less than 3 units from each sub-section:

a. Physical Science

Astronomy 1

Chemistry 1, 3, 4

Geography 1, 3

Geology 1, 2, 4, 5, 6, 7, 9, 12

Mathematics 4, 5, 6, 7, 17, 18, 23, 24, 25, 26, 35, 36, 44, 60, 61,
62, 63, 71, 72

B. General College Requirements

3. a. Physical Science (Continued)

Meteorology 3
Physical Science 1, 2
Physics 1, 6, 11, 12, 14
Statistics 1

b. Biological Science

Anatomy 1
Biology 1, 2, 3, 6, 7, 10, 13, 23, 24, 25, 41
Botany 1, 2, 3
Microbiology 1, 6, 20, 40
Paleontology 1
Zoology 1, 2, 4, 5, 6
- also -
Anthropology 1
Physiology 1, 3
Psychology 2

4. Social Science

a. History of Western Civilization

History 1 and 2

b. Two courses in different departments totaling 5 units or more, from the following:

Anthropology 1, 2, 3, 4, 5, 6, 7
Economics 1, 2, 4, 5
Geography 1, 2, 3, 4, 5, 10, 11, 12, 14, 30
Humanities 2
Political Science 1, 2, 7, 8, 10, 30
Psychology 1, 2, 3, 4, 5, 11, 12, 13, 14
Sociology 1, 2, 4, 10, 12, 13, 15

5. Humanities

At least 11 units, including:

a. At least 5 units in the arts outside the student's major department:

Art 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 20, 21, 22, 23, 24,
25, 26, 27, 28, 29, 30, 31, 37, 38, 50, 51, 52, 53, 54, 55, 56, 57, 58, 80
Humanities 1, 2, 3
Philosophy 24
Physical Education 26, 27, 28

B. General College Requirements

5. a. Humanities (Continued)

Music 2, 3, 4, 5, 6, 7, 8, 12, 13, 17, 28, 30, 31, 32, 33, 34, 40,
41, 44, 54, 55, 56, 57, 58, 59, 60, 61, 62, 68, 69, 70, 71,
72, 74, 76, 77, 81, 82, 83

Theater Arts 1, 2, 5, 6, 7, 11, 15, 19, 20, 21, 22, 23, 24, 25, 28,
31, 40, 41, 44, 45, 46, 47, 56

b. At least six units from literature and/or philosophy

Arabic 11

Chinese 11

English 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20

French 7, 11

German 7, 11

History 7, (same as Philosophy 23)

Humanities 5

Japanese 11

Philosophy 1, 2, 3, 4, 6, 7, 8, 9, 15, 20, 21, 22, 23, 24, 25

Spanish 7, 11, 12

P A R T I I, B

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS, COLLEGE OF LETTERS AND SCIENCE

A. General University Requirements

1. Subject A

This requirement is met by completing English 1, with a grade of "C" or better.

2. American History and Institutions

One course chosen from:

History 11, 12, 13, 14, 15, 17, 18
Political Science 1 or History 5 with 6

B. Foreign Language

Completion of course 4 in one language, or completion of course 2 in two languages. This requirement may also be met by completion of course 2 in one language with 2 years of another language taken in high school with grades of "C" or better.

C. Mathematics

If not completed in high school, suitable courses to meet the entrance requirement in mathematics must be taken; these courses will not be counted as part of the 45 courses (180 quarter units or 120 semester units) required for the bachelor's degree. Acceptable courses: Mathematics 17, 20, 31, 32; Statistics 1.

D. English Composition

English 1 with a grade of "C" or better.

E. Physical Sciences

A minimum of 6 semester units for Life Science majors, and 3 semester units for Humanities and Social Science majors (Physical Science majors meet this requirement automatically)

E. Physical Sciences (Continued)

Required: One course in Physics, chosen from Physics 1, 6, 11, 12,
(or Physics 21, only 3 units applicable).

and

One course in Chemistry, chosen from Chemistry 1, 4,
(or Chemistry 3, only 3 units applicable).

or

Physical Science 1 with 2.

Additional courses, as needed:

Astronomy 1

Geography 3

Geology 1, 4

Mathematics 4, 5, 7, 18, 23, 24, 71

Meteorology 3

Statistics 1

F. Life Sciences

A minimum of 6 semester units for Physical Science majors, and 8 semester units for Humanities and Social Science majors: (Life Science majors meet this requirement automatically).

A transfer student who does not complete the entire requirement in junior college must take UCLA's Biology 2A-2B after transferring. A student who completes this requirement in junior college may choose from:

Biology 1, 2, 3, 6, 7, 10, 13, 23, 24, 25

Botany 1, 2, 3

Microbiology 1, 20

Zoology 1, 2, 5, 6

The following may be selected only as an additional course beyond 5 or 6 units from above:

Anthropology 1

Psychology 2

G. Social Sciences

A minimum of 6 units for Humanities majors, and 9 units (including two courses in one Social Science) for Physical Science and Life Science majors (Social Science majors meet this requirement automatically).

Acceptable courses:

Anthropology 2, 5, 6
Economics 1, 2
Geography 2
History 1, 2, 3, 4, 5*, 6*, 11*, 12*, 15*, 17*, 18*
Political Science 1*, 7
Psychology 1
Sociology 1

* May not apply to both this and the requirement in American History and Institutions.

H. Humanities

Social Science majors will take a minimum of 6 semester units either in Philosophy or in Literature; Physical Science and Life Science majors will take a minimum of 9 semester units either in Philosophy or in Literature: (Humanities majors meet this requirement automatically).

Philosophy Option:

Philosophy 1 with 2 or 3 with 4

The third course may be selected from Philosophy 1, 2, 3, 4, 6, 7, 8, 9, 20, 21, 22

Literature Option:

English 3, 4, 5, 6, 7, 8, 19

I. Limited Electives

Required: Two 3-unit courses. Two 2-unit courses in one title, or repetitive courses totaling 3 units or more, are equivalent to one course in meeting this requirement. (Examples: Art 11 with 12; Art 20 with 21; Music 82, repeated 3 semesters for 1 unit each semester).

I. Limited Electives (Continued)

Acceptable courses:

- Art ^a 1, 2, 3, 4, 5, 6, 7, 8, 10, 11-12, 20-21, 22-23, 24-25,
26, 27-28-29, 37-38, 50-51, 52-53, 56-57, 58-59, 80
- History ^b 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 17, 18, 20, 21,
27, 29, 35
- English ^c 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 19, 20
- Music ^a 2, 3, 4, 5, 6, 7, 8, 12, 13, 28, 29, 30, 31, 32, 33,
34, 40, 41, 44, 54, 55, 56, 57, 58, 59, 60, 61, 62, 68,
69, 70, 71, 72, 74, 76, 77, 81, 82, 83
- Philosophy ^c 1, 2, 3, 4, 5, 6, 7, 8, 9, 15, 20, 21, 22, 23, 24

-
- ^a See the College Catalog for limitations on number of units which may be transferred.
- ^b The same course may not apply to both this requirement and requirement A, 2 or G.
- ^c The same course may not apply to both this requirement and requirement H.

NOTE: A student who completed 24 semester units or more of credit before 9/26/66 may elect to complete the pattern of General Education Requirements which were in effect at that time.

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT, UNIVERSITY WIDE

- and -

UCLA COURSES FOR WHICH ACCEPTABLE

All courses listed in this section are transferable for credit to any campus of the University of California, within the limits for some courses as indicated. In the column "UCLA COURSES", are listed those courses for which Los Angeles College courses are acceptable in meeting requirements for the respective majors. Courses from this list which meet the general education requirements, UCLA, may be found in PART II of this bulletin. All other courses are acceptable for elective credit only.

Each course, individually, is acceptable for transfer credit within the specified limits. The words "or", "and", and "with" in the LAC column refer to UCLA equivalencies.

L A C COURSES

UCLA COURSES

ACCOUNTING

- 1.
- 2.
- 21-22.

Business Administration 1A
Business Administration 1B
Business Administration 1A

AGRICULTURE

- 1, 2

ANATOMY

- 1.

ANTHROPOLOGY

- 1.
- 2 or 5 (Maximum: 3 units)
- 3.
4. (Max. 1 unit if Anth. 1 or 2 taken previously)
- 6.
- 7.

Anthropology 2A
Anthropology 3

Anthropology 2B

ARABIC

- 1, 2, 3, 4, 5, 6, 10, 11

LAC COURSES

UCLA COURSES

ARCHITECTURE

1, 2, 3, 9, 10, 12, 15, 16, 17,
33,34

ART

1.	Art 1A
2.	Art 1C
1 with 2	Art 1ABC
3.	Art 5
4,5,6,7,8,10,11,12,13,14,15	
(Maximum: 3 units from Art 6, 7; Home Econ. 15)	
(Maximum: 4 units from Art 10, 50, 51)	
20.	Art 10A
21.	
22.	Art 20A
23.	Art 20B
24.	Art 10B
25, 26, 27, 28, 29, 30, 31	
(Maximum: 4 units from Art 24, 25, 26)	
(Maximum: 4 units from Art 27, 28, 29)	
(Maximum: 3 units from Art 30, 31)	
37.	Art 25
38,50,51,52,53,54,55,56,57,58,59,80	
(Maximum: 4 units from Art 37, 38)	
(Maximum: 4 units from Art 10, 50, 51)	
(Maximum: 4 units from Art 52, 53)	
(Maximum: 4 Units from Art 58, 59)	

ASTRONOMY

1.	Physical Science 3A
2.	Astronomy 2

BIOLOGY

1.	Biology 2A
2.	Biology 2B
3.	
6.	Biology 1A
7.	Biology 1C
6 with 7	Biology 1ABC
10.	Biology 21
13,23,24,25,41	

BOTANY

1, 2, 3

LAC COURSES

UCLA COURSES

BROADCASTING

1.

BUSINESS

5, 6, 8, 15

(Maximum: 1 course from Bus. 5, 6, 8; Law 1, 2)

(Maximum: 1 course from Bus. 15; G. Engr. 16; Stat. 1, 2)

CHEMISTRY

1.

2 with 5

3.

4.

5, 6

7.

8.

14.

15.

Chemistry 1A

Chemistry 1BC *

Physical Science 2

Physical Science 2

Chemistry 4AB

Chemistry 4AB, 6A

Chemistry 4C, 6BC

* For some majors requiring UCLA Chem. 1ABC, LAC Chem. 5 is not required.
See PART I, MAJORS REQUIREMENTS.

CHINESE

1-2

3,4,8,11

10.

Oriental Languages 1ABC

Oriental Languages 40A

EARTH SCIENCE

1.

ECONOMICS

1.

2.

4, 5

Economics 1

Economics 2

EDUCATION

1, 2, 3

ENGINEERING, CIVIL

1, 2, 3, 4

LAC COURSES

UCLA COURSES

ENGINEERING, GENERAL

- | | | |
|----------|--|------------------|
| 2. | (Acceptable only with prerequisite of one year high school drafting) | |
| 3, 4, 5, | | |
| 7. | | Engineering 15AB |
| 8, 15 | | |
| 16. | | Engineering 6B |
| | (Maximum: 1 course from G. Engr. 16; Bus. 15; Stat. 1, 2) | |
| 25, 35 | | |

ENGLISH

- | | | |
|----------------------------------|--|---------------|
| 1. | | English 1 |
| 2. | | English 2 |
| 3. | | Humanities 1A |
| 4. | | Humanities 1B |
| 5. | | English 10A |
| 6. | | English 10C |
| 5 with 6 | | English 10ABC |
| 7, 8, 11, 12, 13, 14, 15, 16, 17 | | |
| 18. | (Acceptable only with prerequisite of English 1) | |
| 19, 20, 24, 25, 27 | | |
| 23. | (Acceptable only with prerequisite: Eligibility for English 1) | |
| 44, 45 | | |

ENTOMOLOGY

- 11.

FRENCH

- | | | |
|--------|--|---------------|
| 1-2 | | French 1-2-3 |
| 3-4 | | French 4-5-6 |
| 3. | | French 4 |
| 5. | | French 7 |
| 6, 7 | | |
| 8. | | French 10ABCD |
| 10, 11 | | |
| 20 | | French 1-2-3 |

FRUIT CROPS

- 1, 3

LAC COURSES

GEOGRAPHY

- 1.
- 2.
- 3.
- 4, 5
- 10.
- 11.
- 12.
- 14, 30

GEOLOGY

- 1.
- 2.
- 4.
- 5.
- 6, 7, 9, 12

GERMAN

- 1-2
- 3-4
- 3.
- 5.
- 6, 7
- 8.
- 10, 11

GREEK

- 1, 2

HEALTH

- 10.
- 11.
(Maximum: 1 course from Health 10, 11)
- 12. (Maximum: 1 unit)

HEBREW

- 1-2
- 3, 4, 5, 10

UCLA COURSES

Geography 1A
Geography 1B
Physical Science 3M

Geography 10A
Geography 10B
Geography 10C

Physical Science 3G
Geology 4
Physical Science 3G
Geology 4

German 1-2-3
German 4-5-6
German 4
German 25

German 8

Public Health 44

Hebrew 1ABC

LAC COURSES

UCLA COURSES

HISTORY

- 1.
- 2.
- 1 with 2
- 3.
- 4.
- 5,6,7,10
- 11.
- 12.
- 13, 14
- 15.
- 16, 17, 18, 20, 21
- 23.
- 27, 29, 35

- History 1A
- History 1C
- History 1ABC
- History 5A
- History 5B

- History 7A
- History 7B

- Economics 10

- Spanish 44

HOME ECONOMICS

- 10, 11, 12, 15, 17, 19, 20
- (Maximum: 6 units from H.E. 10, 11, 12, 13, 17)
- (Maximum: 3 units from H.E. 15; Art 6, 7)

- 13. (Maximum: 2 units)

- 21 or 24 (Max. 3 units from H.E. 19, 20, 21, 24) Nutritional Sciences 11

- 22, 30, 31
- (Maximum: 3 units from H.E. 30, 31; Soc. 12)

- 60. (Maximum: 2 units)

HORTICULTURE, ORNAMENTAL

- 6, 7, 15

HUMANITIES

- 1, 2, 3, 5, 7*, 10

ITALIAN

- 1-2
- 3-4
- 3.
- 5.
- 6.
- 8.
- 10, 11

- Italian 1-2-3
- Italian 4-5-6
- Italian 4
- Italian 25

- Italian 8ABC

* Transferable only if completed before September, 1968

LAC COURSES

UCLA COURSES

JAPANESE

- 1-2
- 3,4,5,6,8
- 10.
- 11, 13
- 12.

- Oriental Languages 9ABC
- Oriental Languages 40B
- Oriental Languages 5AB

JOURNALISM

- 1. (Acceptable only with prerequisite: J.5 or Eligibility for Eng. 1)
- 2, 5, 25
(Maximum: 6 units from 1, 2, 5, 16, 25)
- 16. (Acceptable only with prerequisite of J. 1)

LATIN

- 1-2
- 3.
- 4.

- Latin 1-2-3
- Latin 4A
- Latin 4B

LAW

- 1, 2
(Maximum: 1 course from Law 1, 2; Bus. 5, 6, 8)

MATHEMATICS

- 4-5-6-11-13 or
- 7-8-11-13 or
- 71-72-73-74-11-13 }
}

- Mathematics 11ABC
and 12ABC

- 4-5-6-11-12-13 or
- 7-8-11-12-13 or
- 71-72-73-74-11-12, 13 }
}

- Mathematics 11ABC
and 13ABC

- 4-5-6-11 or
- 7-8-11 or
- 71-72-73-74-11 }
}

- Mathematics 3ABC

- 4-5-6 or
- 7-8 or
- 71-72-73-74 }
}

- Mathematics 1 and 11AB

- 11 with 13

- Mathematics 12ABC

LAC COURSES

UCLA COURSES

MATHEMATICS (Continued)

15, 17, 18

23.

24.

25 or 35

26, 36

44.

60, 61*, 62, 63, 71, 72, 73, 74

(Maximum: 3 units from Math. 44, 60, 61, 62, 63)

Mathematics 1

Mathematics 2AB

Mathematics 38

Mathematics 41

METEOROLOGY

3.

Physical Science 3M

MICROBIOLOGY

1, 6, 20, 40

MINERALOGY

1, 2, 10, 11, 12

MUSIC

2-3-4

5.

6-7-8

12-13

17.

28.

29.

30-31

32-33

34.

40.

41 or 44

(Maximum: 4 units from Music 40, 41, 44)

Music 10A-B-C

Music 11A-B-C

Music 12A-B

Music 1

Music 13A-B

Music 2A-B

Music 3 or 65

Music 65

Music 70L

Music 70B

Music 70A

Music 70C

Music 4 or 64A

Music 64B

54.

55. (Maximum: 4 units)

56 or 57 or 58 (Max.: 4 units)

59. (Maximum: 4 units)

60, 61, 62 (Max.: 4 units)

68. (Maximum: 4 units)

* Transferable only with prerequisite of 2 years High School Math.

LAC COURSES

UCLA COURSES

MUSIC (Continued)

- | | |
|--|-----------|
| 69. (Maximum: 4 units) | Music 64C |
| 70. (Maximum: 4 units) | |
| 71. (Maximum: 4 units) | |
| 72. (Maximum: 4 units) | |
| 74. (Maximum: 4 units) | Music 70H |
| 76, 77 (Maximum: 4 units) | Music 70J |
| 81. (Maximum: 4 units) | Music 70G |
| 82. (Maximum: 4 units) | |
| 83. (Maximum: 4 units) | |
| 90. (Transferable only if completed before Sept. 1968) | |

NOTE: A maximum of 12 units is granted for Music 40 through 90, with 4 units maximum from any one area.

PALEONTOLOGY

- 1.

PHILOSOPHY

- | | |
|------------------------------|------------------|
| 1. | Philosophy 7 |
| 2. | Philosophy 6 |
| 3-4 | Philosophy 20-21 |
| 6,7,8,9,15,20,21,22,23,24,25 | |

PHYSICAL EDUCATION

(Maximum credit for all "activity" courses combined • indicated with "a": 4 units)

- 1^a, 2^a, 3^a, 4^a, 5^a, 6^a, 7^a, 8^a
13. (Maximum: 1 unit)
16. (Maximum: 2 units)
- { 17^a, 18^a, 19^a, 20^a, 21^a, 22^a, 23^a, 26,
- { 27, 28, 29^a, 30^a, 31^a, 32^a, 33^a, 39^a,
- { 50^a, 60^a
- 44, 45 (Maximum: 2 units)

PHYSICAL SCIENCE

- 1, 2

LAC COURSES

PHYSICS

1-2-3-4
6-7
11 or 12
14, 21

PHYSIOLOGY

1, 3

POLITICAL SCIENCE

1.
2, 8, 10, 30
7.

PORTUGUESE

1-2-3
4.

POULTRY HUSBANDRY

1.

PSYCHOLOGY

1.
2.
3. (with prerequisite of Psych. 1)
4. (Maximum: 1 course from Psych. 3&4)
5, 11, 12, 13, 14
(Maximum: 1 course from Psych. 11, 12, 13, 14)

RUSSIAN

1-2
3-4
3.
5.
8.

SOCIOLOGY

1.
2, 4, 10, 12, 13, 15
(Maximum: 3 units from Soc. 12; Home Ec. 30, 31)

UCLA COURSES

Physics 1A-B-C-D
2A-B-C
Physical Sciences 1

(Applicable toward P.E. 15)

Political Science 1
Political Science 2

Portuguese 1-2-3

Psychology 10
Psychology 12
Psychology 70

Russian 1-2-3
Russian 4-5-6
Russian 4

Russian 8A-B-C

Sociology 1A

LAC COURSES

UCLA COURSES

SPANISH

- 1-2
- 3.
- 4.
- 5, 6, 7
- 8.
- 9.
- 10.
- 11, 12

- Spanish 1-2-3
- Spanish 4
- Spanish 5

- Spanish 8AB, 9AB
- Spanish 42
- Spanish 44

SPEECH

- 1.
- 2.
- 3. (Acceptable only with prerequisite: Any speech course)
- 4.
- 9. (Maximum: 3 units)
- 11, 12, 13, 15
(Maximum: 6 units from Speech 11, 12, 13)

- Speech 1
- Speech 2
- Any speech course)
- Speech 4.

STATISTICS

- 1. (Max. 1 course from Stat. 1, 2; Mathematics 50)
- 2. Bus. 15; G. Engr. 16)

THEATER ARTS

- 1, 2
- 5.
- 6, 7
- 11. (Maximum: 3 units)
- 15.
- 19.
- 20, 21, 22
(Maximum: 8 units from T.A. 19, 20, 21, 23, 30, 31;
2 units each from 19, 20, 21, 23, 24 or from 30, 31;
4 units from 22, 25, 28, 47)
- 23.
- 24, 25, 28, 30, 31, 40, 41
(Maximum: 4 units from T.A. 40, 41)
- 44.
- 49.
- 45, 46, 47, 56, 90*
(Maximum: 9 units from T.A. 44, 45, 46)

Theater Arts 5AB

Theater Arts 41

Theater Arts 20ABC

Theater Arts 5C

* Transferable only if completed before September, 1968.

LAC COURSES

UCLA COURSES

ZOOLOGY

1-2 (with Chemistry 1-2)
4, 5, 6

Biology 1A-B-C

LOS ANGELES CITY SCHOOLS
 Division of Instructional Planning and Services
 Instructional Planning Branch
 Office of the College Curriculum Coordinator

ARTICULATION AGREEMENTS

Between

CALIFORNIA STATE COLLEGE AT LONG BEACH

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
 OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
 PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
 STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
 POSITION OR POLICY.

City College
 East Los Angeles College
 Harbor College
 Pierce College
 Southwest College
 Trade-Technical College
 Valley College

Revised October 1, 1967

ALL PREVIOUS EDITIONS ARE OBSOLETE

- | | | |
|------|-----|---|
| PART | I | COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS |
| PART | II | COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS |
| PART | III | COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND CSCLB COURSES
FOR WHICH ACCEPTABLE |
| PART | IV | COURSES ACCEPTABLE FOR MEETING CREDENTIALS REQUIREMENTS |

JC 670 978

INTRODUCTION

The parts of this bulletin have been developed through negotiations between the California State College at Long Beach Office of Admissions & Records, and the Los Angeles City Schools' College Curriculum Office. The purpose of these agreements is to enable the prospective CSCLB student attending a junior college to complete the first two years of his baccalaureate objective, with courses which meet the requirements for his particular major, as well as the general education requirements for graduation from CSCLB.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the California State College at Long Beach General Bulletin and from the catalogs of the respective Los Angeles Colleges.

In planning his two-year junior college program, the student should first consider the requirements for the major. Next, he should plan to complete as many of the general education requirements as possible. (A given course may be applied to both the major and general education requirements. This may be determined by referring to PART II in conjunction with the programming of requirements for the major, as listed in PART I.) The including of electives which do not meet either the Major or General Requirements could result in extending the time required for completion of the bachelor's degree.

To guide the student in the selection of electives, PART III lists all courses acceptable for transfer credit, and where applicable, indicates CSCLB courses for which credit is granted. CSCLB will grant credit towards the satisfying of majors requirements for a number of LAC courses which are not otherwise transferable. These courses are listed in PART I, under the specific major to which they are related; they are not listed in PART III, as they are not acceptable for elective credit.

Part IV lists the courses offered in the Los Angeles Colleges which will satisfy requirements in majors and minors towards teaching credentials.

CONTENTS

	Page
Introduction	ii
PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS	
Anthropology - Art	1
Biology - Business Education	2
Chemistry - Comparative Literature	3
Criminology - Earth Science	4
Economics - Engineering	5
English - German	6
Health Education - Home Economics	7
Industrial Arts - Industrial Technology	8
Journalism - Mathematics	9
Microbiology - Nursing	10
Philosophy - Physical Therapy	11
Physics - Social Welfare	12
Sociology - Speech	13
Zoology	14
PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS....	
15-16	
PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT AND CSCLB COURSES FOR WHICH ACCEPTABLE	
Accounting - Anthropology	17
Arabic - Art	18
Astronomy - Chinese	19
Drafting - English	20
Entomology - Graphic Arts	21
Greek - Humanities	22
Industrial Arts - Mathematics	23
Merchandising - Music	24
Nursing - Physical Education	25
Physical Science - Political Science	26
Printing - Spanish	27
Speech - Zoology	28
PART IV COURSES ACCEPTABLE FOR MEETING CREDENTIALS REQUIREMENTS	
Lower Division Requirements	29-30
Elementary and Secondary Credential Majors	30-32
Elementary and Secondary Credential Minors	32-35
Junior College Credential Majors and Minors	36

PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

CSCLB REQUIRED COURSES

LAC COURSES WHICH MEET THE REQUIREMENT

ANTHROPOLOGY (B.A. Degree)

Anthropology 111
Anthropology 120
Anthropology 270

Anthropology 1
Anthropology 2 or 5

Recommended:

Anthropology 240
Sociology 100

Anthropology 3
Sociology 1

ART (B.A. Degree)

Option I - General Art

Art 111
Art 112A
Art 121
Art 131
Art 161
Art 181
Art 184
Art 187

Art 3
Art 1-2
Art 11 and 12
Art 12 and 13

Art 30
Art 24, 25, 26 (Max. 4 units)
Art 21-22

Option II - Pre-professional

Lower division requirements are the same as Option I, with the addition of 6 units in designated courses supporting the specialization.

Option III - Secondary Teaching Preparation

Lower division requirements are the same as Option I.

CSCLB COURSES

LAC COURSES

Option IV - Elementary Teaching Preparation

Art 112A-B
Art 121
Art 131
Art 181
Art 187

Art 1-2
Art 11 and 12
Art 12 and 13
Art 30
Art 21-22

BIOLOGY

Anatomy and Physiology 240
Botany 212 or 210 and 211
Chemistry 111A-B
Mathematics 102
Microbiology 210
Physics 100A-B
Zoology 210A-B

Physiology 1 or 3
Botany 1-2
Chemistry 1-2
Mathematics 1 or 20 with 3
Microbiology 1
Physics 6-7
Zoology 1-2

BOTANY

Botany 212
Chemistry 111A-B
Mathematics 102
Physics 100A-B
Microbiology 210
Zoology 200A-B

Botany 1 with 2
Chemistry 1-2
Mathematics 1 or 20 with 3
Physics 6-7
Microbiology 1
Zoology 1-2

BUSINESS ADMINISTRATION

(B.A. Degree; B.S. Degree with specialization in Accounting, Finance, Industrial Relations, Management, Marketing, Operations Research and Statistics, or Production Management)

Accounting 200A-B
Finance 222
Mathematics 117
Economics 200-201
Finance 224 or
Geography 152
English 101

Accounting 1-2
Law 1 or Business 5
Mathematics 4
Economics 1-2
Law 2 or
Geography 5
English 2

BUSINESS EDUCATION (B.S. Degree)

Accounting 200A-B
Business Education 100B
Business Education 130
Business Education 320
Finance 222
Management 361
Marketing 300
Operations Research and
Statistics 320

Accounting 1-2
Secretarial Science 2
Business 1
Sec. Sci. 2 with 33
Law 1
Management 33
Merchandising 21
Business 15

CSCLB COURSES
BUSINESS EDUCATION (Continued)

Economics 200-201
English 316
English 101

Office Administration field
of concentration

Add:
Mathematics 117
Business Education 302
Business Education 431

Secretarial Science field
of concentration

Add:
Business Education 302
Business Education 312
Business Education 431
Mathematics 100 or
Mathematics 102

CHEMISTRY (B.S. Degree)

Chemistry 111A-B
Chemistry 251)
Chemistry 251L)
Mathematics 117
Mathematics 122-123-224
Physics 110-120-230-240
A reading knowledge of scientific
German is required.

One of the following:
Biology 202
Botany 210-212
Microbiology 210
Zoology 210A

COMPARATIVE LITERATURE (B.A. Degree)

Comparative Literature 230
Comparative Literature 232

Six units of lower division work in preparation for upper
division concentration in English, French, Spanish, German,
or Philosophy.

Foreign language:
Preparation for 12 upper division
units in one modern foreign
language.

LAC COURSES

Economics 1-2
Business 32
English 2

Mathematics 4
Secretarial Science 3
Management 14

Secretarial Science 3
Secretarial Science 12
Management 14
Mathematics 20 or
Mathematics 20 with 3

Chemistry 1-2
Chemistry 5

Mathematics 4 or 2
Mathematics 7-8-11 or 5-6-11
Physics 1-2-3-4
A reading knowledge of
scientific German is
required.

Botany 1
Microbiology 1
Zoology 1

English 3 or 4

French, German, or
Spanish 1-2-3-4

CSCLB
Majors

CSCLB COURSES

LAC COURSES

CRIMINOLOGY (B.S. Degree)

Students intending to transfer from city or junior colleges to this college to continue work for a bachelor of science degree in Criminology are advised to complete general education requirements while in attendance at a city or junior college.

A total of 27 units in Police Science courses are acceptable for transfer credit. Fifteen units may be transferred to meet the lower division requirement if they parallel the 15 units required at CSCLB. Twelve additional units of police courses will be accepted as electives. No lower division police course should be taken at a junior college which is duplicated in the upper division curriculum of CSCLB.

Required:*

Criminology 151
Criminology 155
Criminology 157

Police Science 2
Police Science 3
Police Science 4

Sociology 100

Sociology 1

Recommended:
Sociology 142

Sociology 2

*Courses not satisfied in lower division status may be taken after student has attained upper division status.

DRAMA (B.A. Degree)

Drama 112
Drama 114
Drama 124
Drama 140A
Drama 242
Drama 244
Drama 246
Speech 133

Theater Arts 10
Theater Arts 44
Theater Arts 2
Theater Arts 47
Theater Arts 20 or 23
Theater Arts 30

Speech 4

EARTH SCIENCE (B.S. Degree)

Geology 100
Geology 101
Geology 220
Astronomy 100
Biology 200
Chemistry 111A-B
Mathematics 117
Physics 100A-B

Geology 1 with 6 or Geology 4
Geology 2 with 7 or Geology 5
Minerology 1,2, and 12
Astronomy 1
Biology 3
Chemistry 1-2
Mathematics 4
Physics 6-7

CSCLB COURSES

LAC COURSES

ECONOMICS (B.A. Degree)

Economics 200-201
Accounting 20CA

6 units from:
Anthropology 120
Geography 140
Sociology 100

Economics 1-2
Accounting 1

Anthropology 2
Geography 1 with 2
Sociology 1

ENGINEERING (B.S. Degree)

Chemistry 111A-B
Civil Engineering 101
Mathematics 122-123-224
Mechanical Engineering 172
Physics 110-120-230-240

Civil Engineering Option:
Add:
Civil Engineering 205
Civil Engineering 206
Civil Engineering 225
Electrical Engineering 210
Electrical Engineering 210L

Electrical Engineering Option:
Electrical Engineering 210
Electrical Engineering 210L
Electrical Engineering 240

Engineering Materials Option:
Add:
Mechanical Engineering 222
Civil Engineering 205

Mechanical Engineering Option:
Add:
Civil Engineering 205
Mechanical Engineering 205
Mechanical Engineering 272
Mechanical Engineering 222
Electrical Engineering 210-210L

Chemistry 1-2
General Engineering 1
Mathematics 7-8-11 or 5-6-11
General Engineering 2 with 4
Physics 1-2-3-4

General Engineering 7
Civil Engineering 1 or Geo. 9

General Engineering 6
General Engineering 7

General Engineering 7
General Engineering 15
General Engineering 6

CSCLB COURSES

LAC COURSES

HEALTH EDUCATION (B.A. Degree)

Anatomy and Physiology 201
Anatomy and Physiology 202
Microbiology 101
Physical Education 130

Anatomy 1
Physiology 3 or 1
Microbiology 6 or 20
Health 12

HISTORY (B.A. Degree)

A minimum of 12 units including:

History 131A-B. or
History 151A-B. and
History 161A-B. or
History 171A-B

History 1-2 or
History 3-4 and
History 5-6 or
History 11-12 or 17-18

HOME ECONOMICS (B.A. Degree)

Home Economics 100
Home Economics 251-254
**Home Economics 111
***Home Economics 235
Home Economics 142
Anatomy and Physiology 200
Art 100 and/or
Art 111
Economics 200
English 100-101
Chemistry 111A.
Chemistry 100

Microbiology or Physics

Psychology 100
Sociology 100 or
Sociology 142 (3)

Home Economics 1
Home Economics 13 with 14*
Home Economics 63
Home Economics 24 with Chemistry 1
Architecture 30
Anatomy 1 with Physiology 1 or 3
Art 10 and/or
Art 3
Economics 1 or 2
English 1-2
Chemistry 1 or
Chemistry 3 or 4 or 11 or
12 with 13
Microbiology 1 or 20 or
Physics 6 or 11 or 21
Psychology 1
Sociology 1 or
Sociology 2

*Home Economics 14 acceptable for CSCLB Home Economics 251 and 254 providing the student passes a comprehensive examination upon transfer to CSCLB.

**Has prerequisite of Psychology 100 (LAC Psychology 1) and Sociology 100 (LAC Sociology 1).

***Has prerequisite of Chemistry 111A (LAC Chemistry 1) or Chemistry 100 (LAC Chemistry 3) with Chemistry 327 (LAC Chemistry 7).

GSCLB COURSES

LAC COURSES

INDUSTRIAL ARTS (B.A. Degree)

Industrial Arts 111
Industrial Arts 121
Industrial Arts 131
Industrial Arts 141
Industrial Arts 151
Industrial Arts 161
Industrial Arts 284
Industrial Arts 181
Art 100
Photography 210

Industrial Arts 1
Industrial Arts 11
Industrial Arts 31
Industrial Arts 21
Industrial Arts 41
Industrial Arts 5

Art 10
Photography 1 or 10

INDUSTRIAL TECHNOLOGY (B.S. Degree)

This major is a four-year program with options in Construction, Electronics, and Manufacturing Technology. Although upper division courses normally are not included in this bulletin, those for which the Los Angeles colleges have equivalents are included here. This curriculum, for degree purposes, is open only to students who are able to transfer technical course credits earned at two-year or four-year colleges or approved military service schools. Counsel with a member of the Industrial Technology staff is required before the application for admission is submitted.

All Options:

Accounting 201
Chemistry 100

English 101
English 317
Mathematics 117
Mathematics 120 or
Mathematics 122
Philosophy 170
Physics 100A-B
Psychology 381
Industrial Technology 303
Industrial Technology 309
Industrial Technology 307

Construction Option:

Add:
Finance 222
Finance 342
Civil Engineering 225
Industrial Arts 344
Industrial Arts 345
Industrial Arts 412
Industrial Arts 442
Industrial Technology 300
Industrial Technology 302
Industrial Technology 321

Accounting 1 with 2
Chemistry 3 or 4 or 11, or
12 with 13
English 2
English 29
Mathematics 2 or 4

Mathematics 7, or 5 with 6
Philosophy 7 with 8
Physics 6 with 7
Psychology 42
Tool & Mfg. Engr. 61
Supervision 1
Supervision 13

Business 5 or Law 1
Real Estate 1
Civil Engineering 1
Architecture 5,7,17, or 30
General Engineering 3

Architecture 8
Arch. 15 or Gen'l. Engr. 4

Architecture 23

CSCLEB COURSES

LAC COURSES

CSCLEB
Majors

INDUSTRIAL TECHNOLOGY (Continued)

Industrial Technology 323
Industrial Technology 325
Industrial Technology 304

Industrial Technology 421
Industrial Technology 425
Marketing 360

Electronics Option:

Add:

Marketing 300
Industrial Arts 241
Industrial Arts 323
Management 462
Indus. Tech. 340-341
Indus. Tech. 442

Manufacturing Option:

Add:

Marketing 300
Management 462
Industrial Arts 241
Industrial Arts 323

Industrial Arts 423
Industrial Arts 441
Industrial Technology 364L
Industrial Technology 361
Industrial Technology 466
Industrial Technology 300
Industrial Technology 304

Industrial Technology 364

JOURNALISM (B.A. Degree)

Journalism 110
Journalism 120
Journalism 140
Journalism 222 or 242
Journalism 280
Industrial Arts 151 or 351 and/or
Speech 209

MATHEMATICS (B.A. Degree)

English 101
Mathematics 117
Mathematics 122-123-224
Any one of the following:
10 units of Chemistry
8 units in one foreign language
6 units of Philosophy
6 units of Physics

Architecture 6 or 24
Ornamental Horticulture 5
Gen'l Engr. 8 or Arch. 18-19-
20 or 50

Architecture 22
Architecture 20
Management 16

Merchandising 21

Ind. Arts 15 or Mech. 1 or 29
Supervision 10
Electronics 76-77
Electronics 56-57

Merchandising 21
Supervision 10

Industrial Arts 15 or
Mechanics 1 or 29
Industrial Arts 16 or Mech. 2
Drafting 9

Gen'l Engr. 20
Welding 12
Gen'l Engr. 4 or Arch. 15
Gen'l Engr. 8 or Arch. 18-19-
20 or 50
Drafting 36

Journalism 1
Journalism 2
Journalism 20
Journalism 18
Photography 21
Graphic Arts 1 and/or
Speech 14 or Broadcast 15

English 2
Mathematics 4 or 2
Mathematics 7-8-11 or 5-6-11

Chemistry 1,2
Any language 1,2
Any Philosophy courses
Physics 1 with 2,3, or 4
or Physics 6, 7 (Physics 11,12
are not acceptable)

CSCLB COURSES

IAC COURSES

MICROBIOLOGY (B.S. Degree)

Chemistry 111A-B
Chemistry 251)
Chemistry 251L)
Mathematics 102 or
Mathematics 120
Microbiology 210
Physics 100A-B
Zoology 210A-B *

Chemistry 1-2
Chemistry 5
Mathematics 1, or 20 with 3
Microbiology 1
Physics 6-7
Zoology 1-2

MUSIC (B.A. or B. Mus. Degree)

Music 020
(Four semesters required - no credit)
Music 100
(Four semesters required)
Music 141A-B
Music 142A-B
Music 241
Piano: Keyboard competency
equivalent to Music 220B

Any performance course
Music 2-3-4
Music 6,7,8
Music 12 with 13
Competency equivalent to
fourth semester piano

NURSING (B.S. Degree)

It is recommended that any person planning to complete the requirements of the B.S. degree program in Nursing offered by California State College at Long Beach enroll in the program as a freshman student in order to complete all of the program at California State College at Long Beach. Students who complete the Registered Nurse training program in the junior college, however, will be accepted into the B. S. degree program and will receive a maximum of 70 units of credit toward the requirements of the B.S. degree program.

If a student elects to attempt the completion of any part of the CSCLB Nursing program in the junior college, the student will receive credit toward the requirements of the B.S. degree program only for the following academic courses completed in the junior college:

Anatomy and Physiology 203A-B
Anthropology 120
Biology 200
Chemistry 100
Microbiology 210
Home Economics 232
English 101
Psychology 100
Physics 104
Sociology 100

Anatomy 1 with Physiology 1 or
3, or Zoology 6
Anthropology 2 or 5
Biology 3
Chemistry 3, 11, or 12 with 13
Microbiology 1
Home Economics 20 with 21
English 2
Psychology 1
Physics 11, or 12 with 14
Sociology 1

* For Medical Microbiology Option, one course in Anatomy and Physiology may be substituted for Zoology 210B.

CSCLE COURSES

LAC COURSES

PHILOSOPHY (B.A. Degree)

At least 9 units and no more than 12 units in Philosophy including:
Philosophy 100
Philosophy 170

Philosophy 1 or 2
Philosophy 7 or 8

PHYSICAL EDUCATION (B.A. Degree)

Men and Women:

Physical Education 160

Physical Education 241

Anat. & Phys. 201-202

Men Add:

Men's P.E. 111-140-141-142-143-
242-243-244-245-246-247

Women Add:

Women's P.E. 120-121-140-150-
151-243-244-261

One of the following:

Women's P.E. 250,251

Physical Education 60

Physical Education 2

Anat. 1 with Phys. 1 or 3, or Zool. 6

Recommended:

Completion of Physical Education
30-31-32-33 and 39 with
participation in the activities
mentioned in CSCLE course titles
(P.E. 1,2,3,4,5,6,7).

Recommended:

Completion of Physical Education
16-17-18-19, or 20-21-22-23
with participation in the
activities mentioned in CSCLE
course titles (P.E. 1,2,3,4,5,6,7).

P.E. 24, 25

PHYSICAL SCIENCE (B.A. Degree)

English 101

Mathematics 117

Mathematics 122-123-224

Physics 110-120-230-240

Chemistry 111A-B

One course from the following:

Biology 202

Botany 212

Botany 210

Microbiology 210

Zoology 210A

English 2

Mathematics 4 or 2

Mathematics 7-8-11 or 5-6-11

Physics 1-2-3-4

Chemistry 1-2

Botany 1 and 2

Botany 1

Microbiology 1

Zoology 1

PHYSICAL THERAPY (B.S. Degree)

Anatomy and Physiology 203A-B

Physics 104

Anat. 1 with Physio. 1 or 3,
or Zool. 6

Phys. 11, or 12 with 14

CSCLE COURSES

PHYSICS (B.S. Degree)

English 101
Mathematics 117
Mathematics 122-123-224
Physics 110-120-230-240
Chemistry 111A-B

One course among the following:

Biology 202
Botany 212
Botany 210
Microbiology 210
Zoology 210A

POLITICAL SCIENCE (B.A. Degree)

Political Science 100
Political Science 200A-B

Recommended:

Political Science 110

PSYCHOLOGY (B.A. Degree)

English 101 or 317
Mathematics 114
Mathematics 117

or

Mathematics 120
Psychology 100
Psychology 210
Psychology 220

RECREATION (B.A. Degree)

Drama 124
English 101
Journalism 120
Music 281
Music 290
Physical Education 160
Sociology 100

SOCIAL WELFARE (B.A. Degree)

Anthropology 120
Anatomy and Physiology 200
or
Biology 200
Sociology 100
Sociology 255
Sociology 260

LAC COURSES

English 2
Mathematics 4 or 2
Mathematics 7-8-11 or 5-6-11
Physics 1-2-3-4
Chemistry 1-2

Botany 1 and 2
Botany 1
Microbiology 1
Zoology 1

Political Science 1 or 10
Political Science 1 with 2

English 2 or 29

Mathematics 4 or 2

or

Mathematics 7
Psychology 1 or 6
Statistics 1

Theater Arts 2
English 2
Journalism 2
Music 33
Music 32 or 33
Physical Education 60
Sociology 1

Anthropology 2
Anatomy 1 with
Physiology 1 or 3 or
Biology 3
Sociology 1
Statistics 1
Sociology 19 or 20

CSCLEB COURSES

IAC COURSES

SOCIOLOGY (B.A. Degree)

Sociology 100
Sociology 142
Sociology 255

Sociology 1
Sociology 2
Statistics 1

Recommended:

Anthropology 120
Sociology 260

Anthropology 2 or 5
Sociology 19 or 20

SPANISH (B.A. Degree)

Spanish 101A-B
Spanish 201A-B

Spanish 1-2
Spanish 3-4

Note: A minimum of one year in a second foreign language is required.

SPEECH (B.A. Degree)

Radio-Television-Film Concentration

Speech 206
Speech 209
Speech 210 or Speech 271

Broadcasting 1
Broadcasting 10 with 46
Speech 3

Recommended electives: At least 18 units in one of the following areas: Bus. Ad., Creative Writing, Instructional Media, Journalism, Social-Behavioral Sciences, Speech and Drama, Fine Arts.

Public Address Concentration

Speech 130
Speech 131 or
Speech 132
Speech 133
Speech 271
Speech 237

Speech 1
Speech 11 or 12
Speech 2
Speech 4
Speech 3
Speech 7

Speech Pathology Concentration

Speech 271

Speech 3

Six units from:

Speech 130
Speech 131
Speech 132
Speech 133

Speech 1
Speech 11 or 12

Speech 4

General Speech Option

Speech 130
Speech 271

Speech 3

CSCLB COURSES

IAC COURSES

ZOOLOGY (B.S. Degree)

(Including Entomology, Marine Zoology and pre-professional programs)

Botany 212
Botany 210 and 211
Zoology 210A-B
Chemistry 111A-B
Physics 100A-B
Mathematics 102

(unless waived by placement
examination)

Anatomy and Physiology 240

Botany 1 with 2
Botany 1-2
Zoology 1-2
Chemistry 1-2
Physics 6-7
Mathematics 1, or
20 with 3

Physiology 1 or 3

PART II

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS

I. Social Science 9 Units

A. U.S. History: one course chosen from:
History 5,6,11,12,13,14,15,17,18

B. U.S. Government and Constitution
Political Science 1

Requirements A and B may also be met
with History 5-6,11-12 or 17-18

C. Electives: one course chosen from:
Anthropology 1,2,3,5,6,7
Economics 1,2,5
Geography 1,2,3,5,10,11,12
Sociology 1,2,4,10,13,15,19
History 1,2,3,4
Humanities 10
Political Science 2, ,

II. Natural Science 9 Units

Two semesters of laboratory science are required.

A. At least one course required from:

Anatomy 1
Biology 1,2,3,6,7,10,13,23,24,25
Botany 1,2,3
Entomology 1,11
Microbiology 1,20
Physiology 1,3
Zoology 1,2,4,5,6

B. At least one course required from:

Astronomy 1,2
Chemistry 1,2,3,4,11,12 with 13
Geology 1 with 6,2 with 7,4,5,12
Meteorology 3
Mineralogy 1,2,10 with 11,12
Physical Science 1,2
Physics 1,2,3,4,6,7,11,12,14,21

- III. Literature, Philosophy, or the Arts 6 Units
At least 3 units must be in literature or philosophy
- A. Literature
English 3,4,5,6,7,8,11,12,13,14,15,16,20
- B. Philosophy
Philosophy 1,2,3,4,6,7,8,9,15,20,21,22,23 (same as History 7),
24,25
- C. Arts
All transfer courses in Art, Drafting, Home Economics,
Industrial Arts, Music or Theater Arts
- IV. English 3 Units
English 1
- V. Speech 3 Units
Speech 1,2,4,11,12
- VI. Psychology 3 Units
Psychology 1
- VII. Physical Education 2 Units
Physical Education 1,2,3,4,5,6, (Four semesters)
7,8,13,50,60
- VIII. Health Education and Safety 2 Units
Health 10,11
- IX. Electives
Additional courses as needed, to total 45 semester units of
General Education.
- Any of the above
Any Transferable Journalism course.
Any transferable Mathematics course.
Foreign Language up to 6 units.
Humanities 2,3,7

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT,
AND CSCLB COURSES FOR WHICH ACCEPTABLE

This section lists all courses transferable to California State College at Long Beach, for credit. CSCLB courses for which Los Angeles College courses are acceptable toward the Major are indicated in the right column opposite the respective course numbers. Courses from this list which meet the General Education requirements may be found by referring to PART II of this bulletin. All other courses are acceptable for elective credit only. * (The "or" or "and" in LAC column refers to CSCLB equivalence. Each course is acceptable individually for transfer credit.)

LAC COURSES

CSCLB COURSES

ACCOUNTING

- 1.
- 2.
- 3.
- 4.
- 11.
- 12.
- 15
- 21. with 22. (Same as 1)
- 31.
- 45

- Accounting 200A
- Accounting 200B
- Accounting 300A
- Accounting 300B
- Accounting 320
- Accounting 470
- Accounting 450

Accounting 430

ANATOMY

- 1.

Anatomy and Physiology 201

ANTHROPOLOGY

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

- Anthropology 110
- Anthropology 120
- Anthropology 240

- Anthropology 120
- Anthropology 303
- Anthropology 450

* A number of courses are listed as acceptable toward the Industrial Arts or Industrial Technology Majors which do not appear on this list. A student will receive credit for these courses only in the major, but not otherwise.

LAC COURSES

ARABIC

1,2,3,4,5,6,10,11

ARCHITECTURE

1,2,3,9,16,17

5,7,17, or 30

6 or 24

8

10 or 11

12

15

18, 19, 21

20

22

23

24 or 6

30

33, 34

ART

1.

2.

3.

3 with 4

5

6, 7, 8

10.

11-12

11-12-13

12-13

14, 15

20-21

22-23

24-25-26

25-26

27-28-29

30.

31.

37.

38.

40.

50, 51

52.

53.

54, 55, 56, 57

58.

59, 80

CSCCLB
COURSES

CSCCLB COURSES

Industrial Arts 344

Industrial Technology 323

Industrial Arts 442

Industrial Arts 342

Art 271

Industrial Technology 300

Industrial Technology 304

Industrial Technology 425

Industrial Technology 421

Industrial Technology 321

Industrial Technology 323 or

Home Economics 142

Home Economics 342 or

Home Economics 441 or

Home Economics 443

Art 112A

Art 112B

Art 111

Art 110

Art 412

Art 100

Art 121

Art 121-131

Art 131

Art 181

Art 187

Art 184-284

Art 184

Art 187 (Partial)

Art 224

Art 263

Art 223

Art 151

Art 251

Art 277

**CSCLE
COURSES**

IAC COURSES

ASTRONOMY

- 1.
- 2.

BIOLOGY

- 1, 2
- 3.
- 6, 7, 10, 13, 23, 24, 25, 41

BOTANY

- 1.
- 2.
- 1 with 2
- 3.

BROADCASTING

- 1.
- 10 with 46
- 2,3,4,5,7,8,9,12,13,14,15,18,
20,21,25,48

BUSINESS

- 1.
- 5.
- 6.
- 8, 10
- 15.

- 32.
- 33, 38

BUSINESS DATA PROCESSING

- 1, 2, 11, 21, 23

CHEMISTRY

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 11 or 12 with 13
- 14.
- 15.

CHINESE

- 1, 2, 3, 4, 8, 10, 11

CSCLE COURSES

Astronomy 100

Biology 200

Botany 210

Botany 211

Botany 212

Speech 206

Speech 209

Business Education 130

Finance 222

Finance 224

Operations Research &

Statistics 320

English 316

Chemistry 111A

Chemistry 111B

Chemistry 100

Chemistry 251-251L

Chemistry 327

Chemistry 328

Chemistry 100

Chemistry 327

Chemistry 448

**CSCLB
COURSES**

LAC COURSES

DRAFTING

- 1.
- 9.

(See also Industrial Arts)

DRAMA

(See Theater Arts)

EARTH SCIENCE

- 1.

ECONOMICS

- 1.
- 2.
- 4.
- 5.

EDUCATION

- 1, 2, 3 (Maximum 3 units)

ELECTRONICS

- 22, 23, 24, 25, 52, 53, 64, 65

ENGINEERING, CIVIL

- 1.
- 2, 3, 4

ENGINEERING, GENERAL

- 1.
- 2 with 4
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 15.
- 30.

ENGLISH

- 1.
- 2.
- 3.
- 4.
- 3 or 4
3. with 4
- 5.
- 6.

CSCLB COURSES

Industrial Arts 141
Industrial Arts 441

Economics 201
Economics 200
Economics 309
Economics 160

Engineering 225

Civil Engineering 101
Mech. Engr. 172 or I A 241
Industrial Arts 345
Industrial Technology 300
Civ. Engr. 200 or I T 303
Mech. Engr. 222
Civ. Engr. 205
Industrial Technology 304
Mech. Engr. 272 or I A 241
Industrial Technology 361

English 100
English 101
English 180
English 180
Comparative Lit. 230
English 184
English 250A
English 250B

LAC COURSES

ENGLISH (Continued)

7,8,12,13
11.
14.
15, 16, 17, 18, 19, 20, 23
24 or 25 or 27
44, 45

ENTOMOLOGY

11.

FINANCE

1.
2.
8.
31.
35, 36

FRENCH

1-2
3-4
5, 6, 7, 8, 10, 11
20.

GEOGRAPHY

1 - 2
3.
4.
5.
10-11
12, 14
30.

GEOLOGY

1 with 6
2 with 7
4.
5.
9.
12.

GERMAN

1-2
3-4
5,6,7,8,10,11

GRAPHIC ARTS

1.
2.
3.

CSCCLB
COURSES

CSCCLB COURSES

English 297
English 180 or 294

English 202 or 204

Finance 382

Finance 302

French 101 A-B

French 201 A-B

French 101 A-B

Geography 140

Geography 380

Geography 152

Geography 100

Biology 203

Geology 100

Geology 101

Geology 100

Geology 101

Civil Engineering 225

German 101A-B

German 201A-B

Industrial Arts 151

Industrial Arts 351

Industrial Arts 353

**CSCLE
COURSES**

LAC COURSES

GREEK

1, 2

HEALTH

1.
10 or 11
12.

HEBREW

1, 2,3,4,5,10

HISTORY

1.
2.
3.
4.
5.
6.
7. 10
11-12
13.
14,15
17-18
20.
21.
23,27,29,35

HOME ECONOMICS

1.
2,3
11.
12,13
14.

15, 17
20-21
24.

26,30
31.
63.

HUMANITIES

1,2,3,5,7,10

CSCLE COURSES

Health 110
Physical Education 130

History 131A
History 131B
History 151A
History 151B
History 161A
History 161B

History 171A-B
History 379

History 171A-B
History 473B
History 341B

Home Economics 100

Home Economics 151

Home Economics 151 or
251 or 254

Home Economics 232

Home Economics 231

(With Chemistry 1 or Chemistry 3
with 7, Home Economics 235)

Sociology 275

Home Economics 111

**CSCIB
COURSES**

INDUSTRIAL ARTS

1.
5.
11.
21.
31.
41.
51.

Industrial Arts 111
Industrial Arts 161
Industrial Arts 121
Industrial Arts 141
Industrial Arts 131
Industrial Arts 151

ITALIAN

1,2,3,4,5,6,8,10,11

JAPANESE

1,2,3,4,5,6,8,10,11,12,13

JOURNALISM

1.
2.
4.
5,6,8,9,10,16,19
18.
20.
21,25,32,33,35,36,40
41,42,43,44

Journalism 110
Journalism 120
Journalism 355

Journalism 222 or 242
Journalism 140

LATIN

1,2,3,4

LAW

1.
2.

Finance 222
Finance 224

LIBRARY SCIENCE

1.

MANAGEMENT

6.
14.
16.
33.

Business Education 431
Marketing 360
Management 361

MATHEMATICS

1.
2.
3.
4.
7.
7-8-11-12 or
5-6-11-12
13,14,15,17,18
20.

Mathematics 100 or 102
Mathematics 117
Mathematics 101
Mathematics 117
Mathematics 122 or 120
Mathematics 122-123-224

Mathematics 100

**CSCLB
COURSES**

LAC COURSES

CSCLB COURSES

MATHEMATICS (Continued)

20 with 3
23,24
25.
26.
27.
35-36
37,38,44,60,61,62,63
71-72 (Same as 7)
73-74 (Same as 8)

Mathematics 102

Mathematics 110
Mathematics 111

Mathematics 110-111

MERCHANDISING

11.
21.
1,2,24,31,33,35

Marketing 330
Marketing 300

METEOROLOGY

3.

MICROBIOLOGY

1.
6 or 20
40.

Microbiology 210
Microbiology 101
Microbiology 211

MINERALOGY

1-2-12
10,11

Geology 220

MUSIC (Maximum: 8 units in performance courses.)

2 with 3
4.
5.
6 with 7
8.
12-13
17,19,20,23
24.
28.
29.
30-31
32.
33,34
40.
41.
42,44
54.
55 or 56 or 59
57,58
60.

Music 141A
Music 141B

Music 142A
Music 142B
Music 241

Music 421
Music 180

Music 360A-B
Music 190

Music 122A-B
Music 222A-B

Music 130
Music 100

Music 120A-B

**CSCLB
COURSES**

LAC COURSES

MUSIC (Continued)

61.
62.
66,68,69
70 or 71 or 72
74 or 76
77, 78, 79
81.
82, 83
88.
89, 90

NURSING

13.

OFFICE MACHINES

CSCLB Business Department determines credit for individual cases.

PALEONTOLOGY

1.

PHILOSOPHY

1 or 2
3, 4, 6
7 or 8
9, 15
20.
21, 22, 23
24.
25.

PHOTOGRAPHY

1, or 10
11, 15, 16, 17
21.

PHYSICAL EDUCATION

1,2,3,4,5,6,7,8,13
2.
5B
7.
13.
16.
22.

CSCLB COURSES

Music 220C-D

Music 200

Music 125

Music 100

Music 200

Music 281

Philosophy 100

Philosophy 170

Philosophy 160

Philosophy 305

Photography 210

Journalism 280

Physical Education 104

Physical Education 241

Physical Education Women 261

Physical Education 118

Physical Education 248

Physical Education Women 121

Physical Education Women 151

**CSCLB
COURSES**

LAC COURSES

PHYSICAL EDUCATION (Continued)

- 23.
- 29.
- 30. (Men)
- 44.
- 45, 50
- 60.

PHYSICAL SCIENCE

- 1.
- 2.

PHYSICS

- 1.
- 2.
- 3.
- 4.
- 6.
- 7.
- 11 or 12 with 14
- 21.

PHYSIOLOGY

- 1,3

POLICE SCIENCE

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9 with 10
- 36,37,38,42
- 49.
- 52,54,55,59

POLITICAL SCIENCE

- 1.
- 2.
- 1 with 2
- 7.
- 8.
- 10.
- 30.

CSCLB COURSES

Physical Education-Women 150
Physical Education-Men 142
or Women 243
Physical Education-Men 111
Physical Education 270

Physical Education 160

Physical Science 112

Physics 110
Physics 120
Physics 240
Physics 230
Physics 100A
Physics 100B
Physics 104
Physics 110

Criminology 101
Criminology 151
Criminology 155
Criminology 157
Criminology 261
Criminology 271
Criminology 276
Criminology 281
Criminology 102

Criminology 286

Political Science 100
Political Science 200B
Political Science 200A-B
Political Science 307
Political Science 341
Political Science 100

**CSCLB
COURSES**

IAC COURSES

PRINTING

1 or 17

PSYCHOLOGY

1 or 6

2, 3, 4, 5, 9, 11, 12

13.

14.

15.

42.

RUSSIAN

1-2

3,4,5,8

SECRETARIAL SCIENCE

1. *

2.

3.

10. *

11.

12.

32.

4 *, 13 *

SOCIOLOGY

1.

2.

4.

7.

10.

12.

13, 15

19 or 20

SPANISH

1-2

3-4

5,6,7,8,9,10,11,12,13

CSCLB COURSES

Industrial Arts 151

Psychology 100

Psychology 351

Psychology 370

Psychology 381

Russian 101A-B

Business Education 100A

Business Education 100B

Business Education 302

Business Education 110A

Business Education 110B

Business Education 312

English 316

Sociology 100

Sociology 142

Sociology 345

Sociology 275

Sociology 260

Spanish 101A-B

Spanish 201A-B

* Credit is given only if subject was not taken in High School.
Maximum: 4 units Typewriting; 6 units Shorthand.

**CSCLB
COURSES**

IAG COURSES

SPEECH

- 1.
- 2.
- 3.
- 4.
- 6.
- 7.
- 9.
- 11 or 12
- 13.
- 21, 41

STATISTICS

- 1.

THEATER ARTS

- 1.
- 2.
- 4,5,6,7
- 10.
- 11,15,19
- 20 or 23
- 21,22
- 24,25,26,27,28
- 30.
- 31,40,41,42
- 44.
- 45,46
- 47.
- 49,50,51,52,53,54,55

TRANSPORTATION

All Courses

ZOOLOGY

- 1-2
- 4.
- 5.
- 6.

CSCLB COURSES

Speech 130
Speech 132
Speech 271
Speech 133

Speech 237
Speech 261A-E
Speech 131
Speech 202

Psychology 210 or
O.R.&S. 320 or
Sociology 255

Drama 124

Drama 112

Drama 242

Drama 244

Drama 114

Drama 100A-B or 240A-B

Zoology 210A-B
Zoology 360

Anatomy and Physiology 240

PART IV

COURSES ACCEPTABLE FOR MEETING CREDENTIALS REQUIREMENTS

Students enrolled in other colleges who plan to complete credential requirements at California State College at Long Beach must complete the following:

1. Requirements for admission to California State College at Long Beach
2. Proficiency examinations as required by the Division of Education at California State College at Long Beach.
3. Application for admission to a credential program. Standards for admission to teacher education are not the same as those for admission to the college. Satisfactory completion of lower division work does not guarantee admission to teacher education.

I. LOWER DIVISION REQUIREMENTS

(For additional information on admissions and upper division and graduate preparation for any of the credentials, see Credential Supplement to the 1967-68 College Bulletin published by California State College at Long Beach.)

A. Major and Minor

Elementary and secondary credentials require completion of a major and a minor. Lower division courses required by CSCLB in preparation for teaching majors and minors are listed in the following pages. Where "same" appears in the majors column, required preparation is the same as for the bachelor's degree as shown in PART I of this bulletin.*

*Since four units of Physical Education and Health Education are institutional requirements not required for the 45 units of general education for the credential, 49 units are required to complete the general education program. Six of the 49 may be applied toward the major and minor.

B. Special Courses

Additional lower division courses required for teaching credentials are:

	<u>CSCLB Courses</u>	<u>LAC Courses</u>
Elementary <u>and</u> Secondary	English 101	English 2
Elementary	Mathematics 110 <u>OR</u> Mathematics 122 <u>OR</u> Mathematics 120	Mathematics 25 or 35 <u>OR</u> Mathematics 5 with 6 <u>OR</u> Mathematics 7
	Recommended:	
	Music 180	Music 28

C. Specialized Preparation in the Area of Speech and Handicapped Hearing: A candidate must complete the requirements for a standard teaching credential with an academic major if the specialized preparation is to substitute for the minor, and upper division courses as specified. One lower division course is required:

<u>CSCLB Course</u>	<u>LAC Course</u>
Speech 271 Voice and Articulation (3)	Speech 3

II. ELEMENTARY AND SECONDARY CREDENTIAL MAJORS

	<u>ELEMENTARY</u>		<u>SECONDARY</u>	
	<u>CSCLB Courses</u>	<u>LAC Courses</u>	<u>CSCLB Courses</u>	<u>LAC Courses</u>
ANTHROPOLOGY	Same		Same	
ART	Same as Option IV		Same as Option III	
BIOLOGY	Same		Same	
BOTANY	Same		Same	
BUSINESS EDUCATION	Not Offered		Same	
CHEMISTRY	Same		Same	

**CSCLB
CREDENTIALS**

	<u>ELEMENTARY</u>		<u>SECONDARY</u>	
	<u>CSCLB Courses</u>	<u>IAC Courses</u>	<u>CSCLB Courses</u>	<u>IAC Courses</u>
COMPARATIVE LITERATURE	Not offered		Same	
DRAMA	Same		Same	
EARTH SCIENCE	Same		Same	
ECONOMICS	Same		Same	
ENGLISH	Same		Same	
FRENCH	Same		Same	
GEOGRAPHY	Same		Same	
GEOLOGY	Same		Same	
GERMAN	Same		Same	
HEALTH EDUCATION	Not Offered		Same	
HISTORY	Same		Same	
HOME ECONOMICS	Not Offered		Same	
INDUSTRIAL ARTS	Not Offered		Same	
JOURNALISM	Not Offered		Same	
MATHEMATICS	Same		Same	
MICROBIOLOGY	Same		Same	
MUSIC	Same		Same	
PHILOSOPHY	Same		Same	
PHYSICAL EDUCATION	Not Offered		Same	
PHYSICS	Same		Same	
POLITICAL SCIENCE	Same		Same	
PSYCHOLOGY	Same		Same	
PHYSICAL SCIENCE	Same		Same	

**CSCLB
CREDENTIALS**

	<u>ELEMENTARY</u>		<u>SECONDARY</u>	
	<u>CSCLB Courses</u>	<u>IAC COURSES</u>	<u>CSCLB Courses</u>	<u>IAC Courses</u>
RECREATION	Not Offered		Same	
SOCIOLOGY	Same		Same	
SPANISH	Same		Same	
SPEECH	Same		Same	
ZOOLOGY	Same		Same	

III. ELEMENTARY AND SECONDARY CREDENTIAL MINORS

	<u>CSCLB Courses</u>	<u>IAC Courses</u>
ANTHROPOLOGY	Anthropology 110 Anthropology 120	Anthropology 1 Anthropology 2
ART	No lower division <u>requirements</u> specified.	
BIOLOGY	Botany 212 or Botany 210, 211 Zoology 210A-B	Botany 1 and 2 Botany 1 and 2 Zoology 1 and 2
BUSINESS EDUCATION	Secretarial: Business Education 100B Business Education 110B Business Education 130 Accounting 200A-B Non-secretarial: Business Education 100B Business Education 130 Business Education 200A-B Finance 222	Secretarial Science 2 Secretarial Science 11 Business 1 Accounting 1 and 2 Secretarial Science 2 Business 1 Accounting 1 and 2 Business 5 or Law 1
CHEMISTRY	Chemistry 111A-B Chemistry 251 - 251L	Chemistry 1 and 2 Chemistry 5
DRAMA	Drama 114 Drama 124 Drama 242	Theater Arts 44 Theater Arts 2 Theater Arts 20 or 23
ECONOMICS	Economics 200 - 201	Economics 1 and 2
ENGLISH	Six units from: English 100 English 101 English 202, 204, 300 405, or 406 English 250A,B	English 1 English 2 English 5,6

ELEMENTARY AND SECONDARY CREDENTIAL MINORS (Continued)

	<u>CSCLB Courses</u>	<u>LAC Courses</u>
FRENCH	Prerequisites for French 312	French 1-2-3-4
GEOGRAPHY	Geography 140 Geography 100 Geography 152	Geography 1 and 2 Geography 10 and 11 Geography 5
GEOLOGY	Geology 101 Geology 220 Other prerequisite	Geol. 2 with 7 or Geol. 5 Mineralogy 1,2, and 12 Geol. 1 with 6, or Geol.4
GERMAN	Prerequisites for German 312	German 1-2-3-4
HEALTH EDUCATION	Microbiology 101	Microbiology 6 or 20
HISTORY	Six units from: History 131A-B History 151A-B History 181A-B	History 1 and 2 History 3 and 4
HOME ECONOMICS	Acceptable but no lower division requirements specified.	
INDUSTRIAL ARTS	Acceptable but no lower division courses specified.	
JOURNALISM	Journalism 110 Journalism 120 Journalism 140	Journalism 1 Journalism 2 Journalism 20
MATHEMATICS	With Academic major: 20 units, <u>excluding</u> Mathematics 100,101,or 102 With non-academic major: Mathematics 122-123	Any transferable course except Math. 1,3, or 20 Mathematics 7-8 or 5-6
MICROBIOLOGY	Microbiology 210 Microbiology 211	Microbiology 1 Microbiology 40
MUSIC	11-12 units from: Music 120A-B, 220A-B Music 125 Music 280 Music Activities: Music 100	Music 60, 61 Music 70,71 or 72 Music 28 Music 55,56,57,58,59,62, 74,76,77,81,82,83

**CSCLB
CREDENTIALS**

	<u>CSCLB Courses</u>	
PHILOSOPHY	9-12 units	9-12 units from: Philosophy 1,2,3,4,6 7,8,9,15,20,21
PHYSICAL EDUCATION	<u>Elementary:</u> Men and Women: P.E. Activities P.E. 270-271 P.E. 273 P.E. 278 <u>Secondary:</u> Men Only: Men's P.E. 111 Men's P.E. 142 Men's P.E. 140-141* 143-242-243-244, 245-246-247 P.E. 160 P.E. 241 Women Only: P.E. 160 P.E. 241 P.E. 243 P.E. 120-121-140- 150-151-244-261	P.E. 1,2,3,4,5,6,7, 8, or 13 P.E. 44 P.E. 30 P.E. 29 Completion of: P.E. 31- 32-33-39 P.E. 60 P.E. 2 P.E. 60 P.E. 2 P.E. 29 Completion of: P.E. 16,17,18,19 <u>or</u> 16,20,21,22,23
PHYSICAL SCIENCE	Not Offered	
PHYSICS	Physics 110-120-230-240	Physics 1-2-3-4
POLITICAL SCIENCE	Political Science 200A Political Science 100	Political Science 1 with 2 acceptable for Political Science 200A-B Political Science 1
PSYCHOLOGY	20 units must include: Psychology 100 Psychology 210 Psychology 220	Psychology 1 Statistics 1

**CSCLB
CREDENTIALS**

	<u>CSCLB Courses</u>	<u>LAC Courses</u>
RECREATION	Recommended: Music 281	Music 88
SAFETY EDUCATION	P.E. 130 Safety Education 220	Health 12
SOCIAL SCIENCE	Not available. See single subject department minors in Social Sciences.	
SOCIOLOGY	Sociology 100 Sociology 142	Sociology 1 Sociology 2
SPANISH	Prerequisites for Spanish 312	Spanish 1-2-3-4
SPEECH	Speech 130 Speech 271	Speech 1 Speech 3
	Recommended: Speech 236	Speech 13

IV. JUNIOR COLLEGE CREDENTIAL MAJORS AND MINORS

The junior college credential requires a master's degree in a single subject taught in junior college or twelve units of graduate work in one subject taught in junior college which is part of a completed interdepartmental master's degree.

Master's degrees are offered at CSCCLB in the following single subjects:

Art	History	Physics
Biology	Home Economics	Political Science
Business Education	Industrial Arts	Psychology
Chemistry	Mathematics	Speech
Drama	Music	
English	Physical Education	

Interdepartmental master's degrees are offered in:

Physical Science
Social Science

Bachelor's degrees may be taken at CSCCLB in preparation for master's degree work elsewhere in the following subjects:

Anthropology	Geology	Philosophy
Economics	German	Recreation
French	Health Education	Sociology
Geography	Microbiology	Spanish

Lower division preparation for junior college teaching majors and minors in the above subjects is the same as for the secondary credential.

LOS ANGELES CITY SCHOOLS
Division of Instructional Planning and Services
Instructional Planning Branch
Office of the College Curriculum Coordinator

ARTICULATION AGREEMENTS

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

Between

THE UNIVERSITY OF SOUTHERN CALIFORNIA

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

City College
East Los Angeles College
Harbor College
Pierce College
Southwest College
Trade-Technical College
Valley College

Revised October 1, 1967

ALL PREVIOUS EDITIONS ARE OBSOLETE

- PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS
- PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION
REQUIREMENTS, COLLEGE OF LETTERS, ARTS, AND SCIENCES
- PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND USC
COURSES FOR WHICH ACCEPTABLE

INTRODUCTION

The parts of this bulletin have been developed through negotiations between the University of Southern California Office of Admissions and the Los Angeles City Schools' College Curriculum Office. The purpose of these agreements is to enable the prospective USC student attending a junior college to complete the first two years of his baccalaureate objective with courses which meet the requirements for his particular major, as well as the general education requirements.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the Bulletins of the University of Southern California, and from the catalogs of the respective Los Angeles Colleges.

In planning his two-year junior college program, the student should first consider the requirements for the major. Next, he should plan to complete as many of the general education requirements as possible. Certain courses required for the major may also satisfy general education requirements. On the other hand, some majors require specific General Education courses, in fulfilling the requirements for the degree. Consequently, the two-year plan should first provide for the meeting of all specific course requirements; second, for the selection of courses which will meet general education requirements; and last, possible electives not applicable to either the major or general education requirements.

PART I of this bulletin lists courses acceptable for meeting majors requirements, including specified general education courses where these occur. The general education requirements for majors which are not in the College of Letters, Arts and Sciences are governed by the respective Schools and often differ from LAS requirements. Therefore all courses required including general education, are listed for these majors.

PART II lists all LAC courses acceptable for meeting each of the general education requirements, and PART III indicates all courses acceptable for transfer credit.

CONTENTS

Page

Introduction ii

PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

Anthropology - Art History	1
Asian Studies - Biological Sciences	2
Business Administration - Classics	3
Clinical Technology (Medical Technology) - Engineering, Aerospace Engineering, Chemical - Engineering, Electrical	4
Engineering, Industrial - Engineering, Petroleum	5
English - French	6
Geology - Industrial Design	7
International Relations - Music	8
Music - Physical Education Dance Major	9
Physical Education P.E. Major - Physics	10
Political Science - Pre-Law	11
Pre-Medical Program - Public Administration	12
Public Relations - Religion	13
Sculpture - Visual Design	14
	15

PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS,
COLLEGE OF LETTERS, ARTS, AND SCIENCES 16-17

PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND USC COURSES FOR WHICH ACCEPTABLE

Accounting - Art	18
Astronomy - Education	19
Engineering, Civil - Geology	20
German - Journalism	21
Latin - Paleontology	22
Philosophy - Psychology	23
Russian - Zoology	24

iii

PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

Listed below are the courses for each major or curriculum which are required specifically in addition to or as part of the General Education pattern outlined in PART II of this bulletin. Specific courses listed for a particular major which are on the General Education list will apply on the General Education Requirements.

USC REQUIRED COURSES

LAC COURSES WHICH MEET
THE REQUIREMENT

ANTHROPOLOGY (B.A. in LAS)

Anthro 200.
Anthro 201.

Anthropology 1
Anthropology 2

ARCHITECTURE (Bachelor of Architecture)

First Year

Engl 101.
FA 100ab.

English 1
Art 20 with 21, or
Architecture 10 with 11
History 10, 11, 12, 13, 14, 15,
17, 18; Political Science 1,
10; or History 5 with 6.

History. One course from:

Literature
Math 115-125.
Phil 110
Phil 315 a or b.
Phys 105abL. General Physics (4-4)

or

English 5, 6, 7, or 8
Mathematics 7 -8
Philosophy 1 or 2

Physics 6 with 7

Second Year

USC strongly recommends that all transfer students consult with the Dean of the School of Architecture before starting the second year of work in any other institution, including the junior college.

ART EDUCATION (See fine Arts)

ART HISTORY (A.B. in LAS: ARCH and FA)

FA 100ab.
FA 202
FA 220

Art 20-21
Art 22
Art 37

FA 250 ab.
MUHL 200

Art 1-2
Music 32

USC COURSES

ASIAN STUDIES (A.B. in LAS)

Two years of Chinese or Japanese
Language
History 235

ASTRONOMY (A.B. in LAS)

Math 115-125.
Phys 151L-152L-153L.
Math 258-259
Language 1-2-3 (French, German, or Russian
recommended)

BIOLOGICAL SCIENCES (B.S. in LAS)

Students planning to enter professional schools (e.g., medicine, dentistry) can meet the admission requirements of such schools by completion of either Option 1 or 2 below if certain courses required by the professional schools are taken as electives.

Option 1: This option provides broadly based training for research and teaching in biology.

BioSci 106abL.

BioSci 201abL.
Chem 105abL.

English 102.
Language: French, German, or Russian
recommended

Math 115-125.
Math 258.
Phys 105abL.

Biology 1 with 2, or
Zoology 1 with 2
Botany 1 with 2
Chemistry 1 with 2

English 2
Language: French, German,
or Russian recommended.
Mathematics 7 with 8
Mathematics 11
Physics 6 with 7

Option 2: This option is for students planning careers in research and teaching in Biochemistry, Biophysics, and related areas.

BioSci 106abL.

Chem 105abL.
Chem 200L. Quantitative Analysis (4)
Language: French, German, or Russian
recommended

Math 115-125.
Math 258.
Phys 151L-152L-153L,

Biology 1 with 2 (if with Lab.),
or Zoology 1 with 2
Chemistry 1 with 2
Chemistry 5 with 6
Language: French, German, or
Russian recommended.
Mathematics 7 with 8
Mathematics 11
Physics 1-2-3-4

USC COURSES

LAC COURSES

BIOLOGICAL SCIENCES (B.S. in LAS) (continued)

Option 3: This option is designed for students planning careers in Microbiology.

BUSINESS ADMINISTRATION (B.S. in BUS)

English 101
Natural Science
History 101, 102, 103 or 104
Math 108.
PoliSci 100
Philosophy, Religion, Fine Arts, or Music

English 102 or Speech 102
Economics 250ab
Literature
Anthro 201.
Sociology 250

The upper division requirement in Accounting Principles (Bus Adm. 300) may be met with

English 1
Minimum of 8 units
History 1 or 2
Math 4 or 23 (or 20 with "B")
Political Science 1
(Choose from General Education list)
English 2 or Speech 1
Economics 1-2
English 3,4,5,6,7 or 8
Anthropology 2
Sociology 2

Accounting 1 with 2

CERAMICS (See Fine Arts)

CHEMISTRY (A.B. or B.S. in LAS)

Chem 105abL.
Chem 200L.
Math 115-125-258-259.
Phys 151L-152L-153L.
German or Russian

Chemistry 1 with 2
Chemistry 5
Mathematics 7-8-11-12
Physics 1-2-3-4
German 1-2-3

CINEMA (A.B. in LAS)

Complete the General Education Requirements.

CLASSICS (A.B. in LAS)

Greek 150-151-250
Latin 100-101-200.
Latin 201 or Greek 251
History 101

Latin 1-2-3

History 1

USC COURSES

LAC COURSES

CLINICAL TECHNOLOGY (MEDICAL TECHNOLOGY)

A student interested in this area should major in Biological Science, Option 1 or 3.

COMPARATIVE LITERATURE (A.B. in LAS)

Engl 261-262.
English 102 recommended

English 5-6
English 2 recommended

DENTAL HYGIENE (See PRE-DENTAL HYGIENE)

DENTISTRY (See PRE-DENTISTRY)

DESIGN (See VISUAL DESIGN)

DRAMA (A.B. in LAS)

Drama 101.
Drama 151.
Drama 201.
Drama 226.

Theater Arts 2
Theater Arts 44
Theater Arts 45
Theater Arts 7

ECONOMICS (A.B. in LAS)

Econ 250ab.
Math through 259 for those planning on graduate work in Economics

Economics 1 with 2
Mathematics through 12

ENGINEERING, AEROSPACE (B.S. in ENGR)

Chem 105abL.
CivE 207-307.

Engr 101.
IE 105.
IE 250.
Math 115-125.
Math 258-259.
ME 216L.
Phys 151L-152L-153L
English 101
Political Science 100 or
History 200

Chemistry 1 with 2
General Engineering 7
with 8
General Engineering 1
Gen. Engr. 2 with 4
General Engineering 3
Mathematics 7 with 8
Mathematics 11 with 12
General Engineering 6
Physics 1-2-3-4
English 1
Political Science 1 or
History 11, 12, 13, 14, 15, 17,
or 18
Psychology 1

Psychology 200

USC COURSES

ENGINEERING, CHEMICAL (B.S. in ENGR)

Chem 105abL.
Chem 200L.
Chem 322abL.
CivE 207.
Engr 101.
IE 105.
Math 115-125.
Math 258-259
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

ENGINEERING, CIVIL (B.S. in ENGR)

Chem 105abL.
CivE 207-307.
CivE 251L.
CivE 327.
Engr 101.
IE 105.
Math 115-125.
Math 258-259.
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

ENGINEERING, ELECTRICAL (B.S. in Engr)

Chem 105abL.
CivE 307
Engr 101.
Math 115-125.
Math 258-259.
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

Electives in Literature, Speech

Life Science, Humanities or
Social Studies

LAC COURSES

Chemistry 1 with 2
Chemistry 5
Chemistry 7 with 8
General Engineering 7
General Engineering 1
General Engineering 2 with 4
Mathematics 7 with 8
Mathematics 11 with 12
Physics 1-2-3-4
English 1
Political Science 1
History 11, 12, 13, 14, 15, 17
or 18
Psychology 1

Chemistry 1 with 2
General Engineering 7 with 8
Civil Engineering 1
General Engineering 8
General Engineering 1
General Engineering 2 with 4
Mathematics 7 with 8
Mathematics 11 with 12
Physics 1-2-3-4
English 1
Political Science 1: or
History 11, 12, 13, 14, 15, 17,
or 18
Psychology 1

Chemistry 1 with 2
General Engineering 7
General Engineering 1
Mathematics 7 with 8
Mathematics 11 with 12
Physics 1-2-3-4
English 1
Political Science 1
History 11, 12, 13, 14, 15, 17,
or 18
Psychology 1

(Choose from General Education
List)

USC COURSES

ENGINEERING, INDUSTRIAL (B.S. in ENGR)

Chem 105 abL.
CivE 207-307.
Engr 101.
IE 105.
Math 115-125.
Math 258-259.
ME 216L.
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

ENGINEERING, MECHANICAL (B.S. in ENGR)

Chem 105abL.
CivE 207-307.
Engr 101.
IE 105.
IE 250.
Math 115-125.
Math 258-259.
ME 216L.
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

ENGINEERING, PETROLEUM (S.S. in ENGR)

Chem 105abL.
Chem 200L.
CivE. 207
Engr 101.
Geol 105L-106L.

IE 105.
IE 250.
Math 115-125.
Math 258-259.
Phys 151L-152L-153L.
English 101
Political Science 100 or
History 200

Psychology 200

LAC COURSES

Chemistry 1 with 2
General Engineering 7 with 8
General Engineering 1
General Engineering 2 with 4
Mathematics 7 with 8
Mathematics 11 with 12
General Engineering 6
Physics 1-2-3-4
English 1
Political Science 1: or
History 11, 12, 13, 14, 15
17, or 18
Psychology 1

Chemistry 1 with 2
General Engineering 7 with 8
General Engineering 1
General Engineering 2 with 4
General Engineering 3
Mathematics 7 with 8
Mathematics 11 with 12
General Engineering 6
Physics 1-2-3-4
English 1
Political Science 1 or
History 11, 12, 13, 14, 15,
17, or 18
Psychology 1

Chemistry 1 with 2
Chemistry 5
General Engineering 7
General Engineering 1
Geology 1 with 6 and
2 with 7 or Geology
4 and 5
General Engineering 2 with 4
General Engineering 3
Mathematics 7 with 8
Mathematics 11 with 12
Physics 1-2-3-4
English 1
Political Science 1 or
History 11, 12, 13, 14, 15,
17, or 18
Psychology 1

USC COURSES

LAC COURSES

ENGLISH (A.B. in LAS)

(Department Major and Teaching Major are the same during first two years.)

Engl 261-262.
English 102 recommended

English 5 with 6
English 2 recommended

FINE ARTS (BFA in ARCH. and FA)

The lower division preparation for the Major is the same for: Art Education, Ceramics, Painting, Sculpture and Visual Design. Students planning to major in FINE ARTS should consult with the USC Department of Fine Arts before registering for studio courses at any junior college.

Fine Arts 100ab
Architecture 200abL
Fine Arts 200
Fine Arts 202
Fine Arts 220
Fine Arts 230
Fine Arts 250ab
English 101
History, one course
Literature, one course
Philosophy, one course
Natural Science, one course
Social Sciences
Social Sciences, one course

Art 20-21 or Arch 10-11

Art 1-2
English 1
See PART II: A, 3
See PART II: B, 2
See PART II: B, 3
See PART II: C
See PART II: D, 1
See PART II: D, 2

FOREIGN SERVICE (B.F.S. in LAS)

Econ 250ab.
IR 200.

Economics 1 with 2
Political Science 2

General Education Requirements PART II: As Listed For the A.B. Degree

Group A
Group B
Group C
Group D
Group E
Group F

6 courses
3 courses
1 course
2 courses
(Senior Courses)
Physical Education, 4
different Semesters.

FRENCH (A.B. in LAS)

Engl 261-262.
French 120-150
French 220-250*

English 5 with 6
French 1-2
French 3 with 4*

*If recommended by advisor

USC COURSES

GEOLOGY (A.B. in LAS)

Chem 105abL.
Geol 105L, 106L.

Geol 206L.
Math 115-125.
Phys 105abL.

GEOLOGY (B.S. in LAS)

Same lower division requirements as for A.B. except add:

Chem 200L,
Geology 207L
Math 258.
Physics 151L-152L-153L

GERMAN (A.B. in LAS)

Germ 120-150-220.
Germ 230.
Recommended for teaching major:
English 260

GREEK (A.B. in LAS)

Greek 150-151.
Greek 250-251.
History 101

HISTORY (A.B. in LAS)

2 courses from History 101, 102, 103,
104, 235, 245

INDUSTRIAL DESIGN (B.S. in ARCH and FA)

Arch 200abL.
FA 100abL

FA 220.
FA 230.
FA 250ab.
InDes 200abL.
Math 115-125.
Phys 105abL.
English 101
Literature, one course
Philosophy 110

LAC COURSES

Chemistry 1 with 2
Geology 1 with 6 and
2 with 7 or Geology
4 and 5
Mineralogy 1 with 2
Mathematics 7 with 8
Physics 6 with 7

Chemistry 5

Mathematics 11
Physics 1-2-3-4

German 1-2-3
German 10

English 6 and 8

History 1

History 1 with 2,
or 5 with 6

Art 20 with 21, or
Architecture 10 with 11

Art 52
Art 1 with 2

Mathematics 7 with 8
Physics 6 with 7
English 1
English 3, 4, 5, 6, 7, or 8
Philosophy 1 or 2

USC COURSES

LAC COURSES

INTERNATIONAL RELATIONS (A.B. in LAS and IR).

Concentration in Economics and International Trade:

IR 200.

Political Science 2

Concentration in Politics:

Econ 250ab. or

Economics 1 with 2

Econ 300.

Political Science 2

IR 200.

JOURNALISM (A.B. in JOURN and LAS)

Econ 300.

Economics 1 with 2

Engl 260.

English 6 and 8

Journ 200.*

Journalism 1

Hist 104.

History 2

Journ 150.

Ability to typewrite required

Ability to typewrite

Foreign Language I-II-III

Foreign Language 1-2-3

*Transfer students from accredited institutions who have completed two years of Journalism and who demonstrate their writing ability may be excused from Journ 200.

LATIN (A.B. in LAS)

Latin 100-101.

Latin 1 with 2

Latin 200-201.

Latin 3 with 4

History 101

History 1

MATHEMATICS (A.B. in LAS)

Math 115-125.

Mathematics 7 with 8

Math 258-259.

Mathematics 11 with 12

Phys 151L+152L+153L.

Physics 1-2-3-4 or

Phys 105abL. (For Teaching Majors)

Physics 6-7

MUSIC (A.B. in LAS)

MuTC 133ab.

Music 2 with 6 and

3 with 7

MuTC 233a.

Music 4 with 8

MuTC 233b.

MuTC 234a-b.

Music 12 with 13 (Partial)

MuHL 271.

Music 30 - 31

USC COURSES

MUSIC (BACHELOR OF MUSIC in MUSIC)

Music Major courses as recommended (16)

MuEn Ensemble as recommended (2)

MuTC 133ab.

MuHL 271.

MuTC 233a.

MuTC 233b.

MuHL 110-210.

OCCUPATIONAL THERAPY (B.S. in LAS)

Biol. 212L.

PT 372.

OT 259.

Psych 200.

One additional course in Psychology
or Sociology

General Education Requirements as
listed for the A.B. Degree

Group A

Group B

Group C

Group D

Group E

PAINTING (See FINE ARTS)

PHILOSOPHY (A.B. in LAS)

Six upper-division courses
including 315 ab

PHYSICAL EDUCATION DANCE MAJOR (A.B. in LAS)

P.E. 211;

P.E. 230P.

P.E. 260P.

LAC COURSES

16 units in voice or
in one instrument
4 courses from 55, 56,
57, 58, 74, 75, 76, 77
Music 2 with 6 and
3 with 7
Music 30-31
Music 4 with 8

Physiology 1 or 3

Psychology 1
Psychology 2, Sociology 1,2
or 10

PART II:

6 courses

3 courses

2 courses

2 courses

4 Semesters, including
Swimming

Maximum of 16 units from
Philosophy 1, 2, 6, 7, 8, 20

USC COURSES

LAC COURSES

PHYSICAL EDUCATION - P.E. MAJOR (A.B. in LAS)

PE 211.
PE 212P.
PE 213P.

PE 214P.

Specific equivalents not established.

Acceptable toward major preparation: 4 units from PE 17, 18, 19, 20, 21, 22, 23, 28, 29 (women); or 28, 29, 31, 32, 33 (men)
Health 11

PHYSICAL EDUCATION - RECREATION MAJOR (A.B. in LAS)

PE 211.
PE 212P.
PE 213P.
PE214P

Same as PE Major
- - -
- - -
Health 11

PHYSICAL THERAPY (B.S. in LAS)

Natural Sciences: Three courses in Biological Sciences, including physiology

Two courses in either chemistry or physics, or one course in each.

General Education Requirements as listed for the AB Degree

6 courses
3 courses
2 courses

(Psychology required)
Physical Education, including 101 and 110

Physiology 1 or 3
Biology 1 with 2
Or Zoology 1 with 2

Chemistry 1-2
Or Physics 6-7
Or one of each
Chemistry and Physics

PART II:

A: 1,2,3,4
B: 1,2,3
D: 1

Psychology 1
4 different Semesters of PE activity, including Physical Efficiency and Swimming

PHYSICS (A.B. or B.S. in LAS)

Chem 105abL.
Math 257-258-259.
Phys 151L-152L-153L.
Recommended: German 120-150-225-or
Russian (SlSt) 120-122-220

Chemistry 1 with 2
Mathematics 8-11-12
Physics 1-2-3-4
German 1-2-3 or
Russian 1-2-3

USC COURSES

POLITICAL SCIENCE (A.B. in LAS)

PolSci 100.
PolSci 200.

PRE-DENTAL CURRICULUM (LAS)

Biol 106abL.

Chem 105abL.
Chem 322abL.
Phys 105abL.
English 101-102

PRE-DENTAL HYGIENE (LAS)

Chem 105abL
English 101-102
Speech 102
Psych 200.
Sociology 250
Phys Ed. 103
Phys Ed. Activity including Swimming
Am Hist and Gov't

2 courses in Science with laboratory
Biology is recommended

PRE-LAW (IAS)

Plan 1. A four year curriculum of full-time study. Requirement for admission is the completion of not less than 62 units acceptable for A.B. or B.S. degree at USC of which not less than 56 units must be in courses of substantive content.

Plan 2. A three-year curriculum of full-time study. Requirement for admission is a bachelor's degree.

LAC COURSES

Political Science 1
Political Science 1 with 2

Biology 1 with 2, (if with Lab.), or Zoology 1 with 2
Chemistry 1 with 2
Chemistry 7 with 8
Physics 6 with 7
English 1-2

Chemistry 1-2
English 1-2
Speech 1
Psychology 1
Sociology 2
Health 10
4 Semesters of PE activity
History 10 or Political Science 10
Biol 1-2 or
Zoology 1-2

Especially recommended:
Economics 1-2
Philosophy 7-8
Other courses suggested:
Anthro 2
Math 4

USC COURSES

LAC COURSES

PRE-MEDICAL PROGRAM (LAS)

Biol 106abL.
Chem 105abL.
Chem 200L.
Phys 105abL.
English 101-102

Zoology 1 with 2
Chemistry 1 with 2
Chemistry 5
Physics 6 with 7
English 1-2

General Education Requirements as listed for the A.B. Degree:

6 courses
3 courses
2 courses (including Psychology)

A: 1, 2, 3, 4
B: 1, 2, 3
D: 1
Psychology 1
4 different Semesters of
PE Activity including
PE 2

Physical Education including
Swimming

PRE-PHARMACY CURRICULUM (LAS)

Biol 106abL.

Sect Adm. 014.
Chem 105abL.
Econ 250a.
Math 102*.
Math 103*.
Phys 105abL.
Psych 200.
English 101-102
Social Sciences
Humanities or Additional Social Sciences

Biology 1 with 2, (if with
Lab.), or Zoology 1 with 2
Secretarial Science 1
Chemistry 1 with 2
Economics 2
Mathematics 20
Mathematics 3
Physics 6 with 7
Psychology 1
English 1-2
6 units
4 units

*If two years of algebra are not taken in high school
*If not taken in high school.

PSYCHOLOGY (A.B. in LAS)

Psych 200.
Psych 274.

Psychology 1
Statistics 1

PUBLIC ADMINISTRATION (B.S. in PUBLIC ADMINISTRATION)

1. English 101
2. Philosophy 250
3. Courses I, II, III in a
single language
or
3. Math 108
4. Philosophy 380
5. P.A. 404

English 1
Philosophy 7 with 8
Completion of Course 3
in any language

Math 4
- - -
- - -

USC COURSES

LAC COURSES

PUBLIC ADMINISTRATION (continued)

Choose one course from each numbered group:

- | | |
|---|--|
| <p>6. Astronomy 100
*Biol Sci 100
Biol. Sci 106abL
Chemistry 105abL.
Geology 105L
Geology 106L
*Physics 100
Physics 105abL.</p> | <p>Astronomy 1
*Biology 3
Biology 1 with 2
Chemistry 1 with 2
Geology 1 with 6 or Geol. 4
Geology 2 with 7 or Geol. 5
*Physics 11 or 12
Physics 6 with 7</p> |
| <p>7. History 101, 102, 103, 104
History 235, 245</p> | <p>History 1 or 2
History 5 with 6</p> |
| <p>8. History 200
Political Science 100</p> | <p>History 14
Political Science 1</p> |
| <p>9. Philosophy 110
Philosophy 270
Religion 110</p> | <p>Philosophy 1 or 2
Philosophy 20
History 7 or Philosophy 23</p> |
| <p>10. Anthropology 201
Economics 300
Geography 300
Political Science 200
Psychology 200
Sociology 200</p> | <p>Anthropology 2
Economics 1, 2
Geography 2
Political Science 1 with 2
Psychology 1
Sociology 1, 2, 10</p> |
| <p>11. English 102
Speech 102</p> | <p>English 2
Speech 1</p> |
| <p>12. Drama 226
Music History and Literature 200</p> | <p>Theater Arts 7
Music 30 with 31</p> |
| <p>13. English 260, 261, 262</p> | <p>English 5 or 6 or 8</p> |
| <p>14. History 476, 477</p> | <p>History 11 or 12 or 17 or 18</p> |

(other required courses in Upper Division)

PUBLIC RELATIONS (A.B. in JOURN and LAS)

Same as for JOURNALISM major.

RELIGION (A.B. in LAS)

Recommended:

Three semesters of a modern language and of a language appropriate to the field of specialization.

USC COURSES

SCULPTURE (See FINE ARTS)

SLAVIC STUDIES (A.B. in LAS)

SlavSt 120-122-220

SOCIOLOGY (A.B. in LAS)

Soc 200.
Soc 250.

SPANISH (A.B. in LAS)

Span 120, 150-220.
Recommended:
Spanish 224.
Spanish 230.

SPEECH (A.B. in LAS)

Spch 101.
Spch 102.
Spch 262.

TELECOMMUNICATIONS (A.B. in LAS)

Speech 101
TComm 100.
TComm 210.
Recommended: Ability to typewrite

VISUAL DESIGN (See FINE ARTS)

LAC COURSES

Russian 1-2-3

Sociology 1
Sociology 2 or 10

Spanish 1-2-3

Speech 4
Speech 1

Speech 4
Broadcasting 1
Broadcasting 10
Recommended: Ability to
typewrite

PART II

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS, COLLEGE OF LETTERS, ARTS, AND SCIENCES

1. REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

A. General Requirements

1. English 1
2. English 2
3. History 14 or Political Science 1 or
one of the following combinations:
History 5 with 6, 11 with 12, 17 with 18 or
History 5, 6, 10, 11, 12, 13, 15, 17, or 18 with
Political Science 10
4. Foreign Language
Completion of course 3 in a single language
(It is recommended that this requirement be completed
before transferring, so that a placement examination
will not be required.)

B. Humanities

1. Arts. At least 3 units from:
Art 1, 2, 3, 4, 8
Music 30, 31, 32, 33, 39
Theater Arts 5, 6, 7, 56
2. Literature. At least one course from:
English 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 16,
French 11
German 11
Italian 11
Spanish 11, 12
3. Philosophy. At least one course from:
Philosophy 1, 2, 3, 4, 5, 15, 20, 21, 22, 23, 24,
25 or
History 7 (Same as Philosophy 23)

C. Natural Sciences. At least 8 units from the following:

- Astronomy 1
Biology 1, 2, 3, 6, 7, 23, 24

I. REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

C. Natural Sciences (Cont.)

Botany 1, 2, 3
Chemistry 1, 2, 3, 12, 13
Geology 1 with 6, 2 with 7, 4, 5
Microbiology 1, 6
Physical Science 1, 2
Physics 1, 2, 3, 4, 6, 7, 11, 12, 14
Zoology 1, 2, 5, 6

D. Social Sciences

1. One course from:
History 1, 2, 5, 6, 23
2. One course from:
Anthropology 2
Economics 1, 2
Geography 2

Psychology 1
Sociology 1, 2, 10

E. One senior course in each division in which the student is not a major. (To be completed after transfer)

F. Four physical education activities, including P.E. 1 and 2, in four different semesters

G. (Listed in Majors bulletin)

H. (Not applicable till upper division)

II. REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN COLLEGE OF L.A.S.

The following requirements must be met from the Bachelor of Arts list:

- A. 1, 2, 3, 4,
- B. One course from the Humanities: 1, 2, or 3
- C. This requirement will be met by majors courses
- D. One course from Social Sciences: 1 or 2
- E. F. G. H.

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND USC COURSES FOR WHICH ACCEPTABLE

This section lists all courses transferable to the University of Southern California for credit. USC courses for which Los Angeles College courses are acceptable toward the Major are indicated in the right column opposite the respective course numbers. Courses from this list which meet the General Education requirements may be found by referring to PART II of this Bulletin. All other courses are acceptable for elective credit only.

Each course, individually, is acceptable for transfer credit within the specified limits. The words "or", "and", and "with" in the LAC column refer to USC equivalencies.

LAC COURSES

USC COURSES

ACCOUNTING

1 with 2
21 with 22 (Same as 1)

Bus. Adm. 300

ANATOMY

1

Biol. 312

ANTHROPOLOGY

1
2
3, 4, 5, 6, 7

Authro. 200

Authro. 201

ARABIC

1, 2, 3, 4, 5, 6, 10, 11

ARCHITECTURE

1, 2, 3, 9
10 with 11
12, 15, 16, 17, 33, 34

FA 100ab

ART

1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13
14, 15
20 with 21
22, 23, 24, 25, 26, 27, 28
29, 30, 31, 37, 38, 50, 51
52.
53, 54, 55, 56, 57, 58, 59, 80

FA 100ab

FA 230

LAC COURSES

ASTRONOMY

- 1.
- 2.

BIOLOGY

- 1 with 2 (if with Lab.)
- 3.
- 6, 7, 10, 13, 23, 24, 25, 41

BOTANY

- 1 with 2
- 3.

BROADCASTING

- 1.
- 10.

BUSINESS

- 5,6,8,15

CHEMISTRY

- 1 with 2
- 3, 4, 6
- 5.
- 7 with 8
- 11, 12, 13, 14, 15

CHINESE

- 1-2
- 3-4
- 8, 10, 11

EARTH SCIENCE

1. (Maximum 2 units)

ECONOMICS

- 1.
- 2.
- 1 with 2
- 4,5

EDUCATION

- 1, 2, 3

USC COURSES

Astronomy 100

BioSci 106 atL.
Biol. 100

BioSci 20labL.

T Comm 210

Chem. 105abL.

Chem 200L
Chem 322abL.

As. St. 100-102
As. St. 200-300

Economics 250b
Economics 250a
Economics 300

LAG COURSES

USC COURSES

ENGINEERING, CIVIL

- 1.
- 2,3,4

CivE 251L

ENGINEERING, GENERAL

- 1.
- 2 with 4
- 3.
- 4,5
- 6.
- 7 with 8
- 8.
- 16, 25, 35

Engr. 101
IE 105
IE 250

ME 216L
CivE. 207-307
CivE. 327

ENGLISH

- 1-2
- 3, 4
- 5-6
- 6 with 8
- 7, 8, 11, 12, 13, 14, 15, 16, 17,
- 18, 19, 20, 23, 24, 25, 27

English 101-102

English 261-262
English 265
(Maximum: 2 courses, 6 units)

FIRE SCIENCE (Maximum transferable: 16 units)

FRENCH

- 1-2
- 3-4
- 5, 6, 7
- 8.
- 10.
- 11.
- 20.

French 120-150
French 220-250

French 320
French 230

French 120-150

GEOGRAPHY

- 1.
- 2.
- 3, 4, 5, 10, 11, 12, 14, 30

Geography 200L
Geography 210

GEOLOGY

- 1 with 6
- 2 with 7
- 4
- 5.
- 9, 12

Geology 105L
Geology 106L
Geology 105L
Geology 106L

LAC COURSES

USC COURSES

GERMAN

- 1-2
- 3.
- 4, 5, 6, 7, 8
- 10.
- 11.

- German 120-150
- German 220- or 225

German 230

GREEK

- 2,2

HEALTH

- 10.
- 11.

- P.E. 103
- P.E. 214P

HEBREW

- 1, 2, 3, 4, 5, 10

HISTORY

- 1, 2, 3, 4,
- 5 with 6
- 7, 10, 11, 12, 13
- 14.
- 15, 16, 17, 18, 20, 21, 23, 27, 29, 35

History 245

History 200

HUMANITIES

- 1, 2, 3, 5, 7, 10

ITALIAN

- 1, 2, 3, 4, 5, 6, 8, 10, 11

JAPANESE

- 1.
- 2.
- 3.
- 4.
- 5, 6, 8, 10, 11, 12, 13

- As. St. 110
- As. St. 112
- As. St. 210
- As. St. 310

JOURNALISM

- 1.
- 2, 5, 16, 25

Journalism 200

LAC COURSES

LATIN

1-2
3-4

LAW

1,2

MATHEMATICS

4.
5,6
7.
8.
11.
12.
13, 15, 17, 18, 23, 24, 25, 26,
35, 36, 44, 60, 61, 62, 63
71-72 (Same as 7)
73-74 (Same as 8)

MICROBIOLOGY

1, 6, 20, 40

MINERALOGY

1 with 2
10, 11, 12

MUSIC

2 with 6 and 3 with 7
4 with 8
12 with 13
30 with 31
32, 33
5, 17, 28, 29, 34
40, 41, 44 (Maximum: 4 units)
54.
55, 70, 71 (Maximum: 4 units)
56, 57, 58 (Maximum: 4 units)
60, 61, 62 (Maximum: 4 units)
59, 68, 69, 72, 74, 76, 77, 81,
82, 83, 90.
(Maximum for any combination of courses
40 through 83: 12 units).

PALEONTOLOGY

1.

USC COURSES

Latin 100-101
Latin 200-201

Math 108

Math 115.
Math 125 or 257
Math 258
Math 259

Geol. 206L

MuTC 133ab
MuTC 233a
MuTC 234a
MuHL 271

LAC COURSES

USC COURSES

PHILOSOPHY

1 or 2
3, 4
6.
7 with 8
9, 15
20.
21, 22
23.
24, 25

Phil. 110

Phil. 250

Phil. 270

Religion 110

PHYSICAL EDUCATION

1, 2, 3, 4, 5, 6, 7, 8, 13, 16, 17, 18,
19, 20, 21, 22, 23, 26, 27, 28, 29, 30,
31, 32, 33, 39, 44, 45, 50, 60

PHYSICAL SCIENCE

1, 2

PHYSICS

1-2-3-4
6 with 7
11, 12, 14, 21

Physics 141L-142L-143L
Physics 105abL

PHYSIOLOGY

1 or 3

Biology 212L

POLICE SCIENCE (Maximum transferable: 16 units)

POLITICAL SCIENCE

1.
1 with 2
2.
7, 8, 10, 30

Political Science 100
Political Science 200
I R 200

PORTUGUESE

1, 2, 3, 4

PSYCHOLOGY

1.
2, 5.
3, 4 (Maximum: 1 course)
11, 12, 13, 14 (Maximum: 1 course)

Psychology 200

LAC COURSES

USC COURSES

RUSSIAN

1-2
3
4, 5, 8

Slavic Studies 120-122
Slavic Studies 220

SOCIOLOGY

1.
2 or 10
4, 7, 12, 13, 15

Sociology 200
Sociology 250

SPANISH

1-2
3.
8.
4, 5, 6, 7, 9, 10, 11, 12, 13

Spanish 120-150
Spanish 220
Spanish 224

SPEECH

1.
2, 3
4.
9.
11, 12, 13 (Maximum: 6 units)
15.

Speech 102
Speech 101

STATISTICS

1.
2. (One course from 1 and 2)

Psychology 274

THEATER ARTS

1.
2.
5.
6.
7.
11, 25, 28 (Maximum: 3 units)
15.
19, 20, 21, 23, 30, 31 (Maximum: 8 units)
22, 24, 25, 28, 47 (Maximum: 4 units)
30, 31 (Maximum: 2 units)
40, 41 (Maximum: 4 units)
44, 45, 46 (Maximum: 9 units)
49, 90

Drama 226

ZOOLOGY

1, 2, 4, 5, 6

LOS ANGELES CITY SCHOOLS
Division of Instructional Planning and Services
Instructional Planning Branch
Office of the College Curriculum Coordinator

ARTICULATION AGREEMENTS

Between

SAN FERNANDO VALLEY STATE COLLEGE

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

City College
East Los Angeles College
Harbor College
Pierce College
Southwest College
Trade-Technical College
Valley College

Revised October 1, 1967

ALL PREVIOUS EDITIONS ARE OBSOLETE

- PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS
- PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS
- PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND SAN FERNANDO VALLEY STATE COLLEGE COURSES FOR WHICH ACCEPTABLE
- PART IV COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

FC 670 978

INTRODUCTION

The parts of this bulletin have been developed through negotiations between the San Fernando Valley State College Office of Relations with Schools, and the Los Angeles City Schools' College Curriculum Office. The purpose of these agreements is to enable the prospective San Fernando Valley student attending a junior college to complete the first two years of his baccalaureate objective, with courses which meet the requirements for his particular major, as well as the general education requirements for graduation from San Fernando Valley State College.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the San Fernando Valley State College Catalogue and from the catalogues of the respective Los Angeles Colleges.

In planning his two-year junior college program, the student should first consider the requirements for the major. Next, he should plan to complete as many of the general education requirements as possible. (In many instances, a given course may be applied to both the major and general education requirements. Courses in this category are so indicated in PART I.) The including of electives which do not meet either the Major or General Requirements could result in extending the time required for completion of the bachelor's degree.

To guide the student in the selection of electives, PART III lists all courses acceptable for transfer credit, and, where applicable, indicates San Fernando Valley State College courses for which acceptable.

PART IV lists the courses offered in the Los Angeles Colleges which will satisfy requirements in majors and minors towards teaching credentials.

CONTENTS

	Page
Introduction	ii
PART I COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS	
Anthropology - Art	1
Biology	2
Business Administration	3
Business Education - Chemistry	4
Drama - Engineering	5
English - German	6
Health Science - History	7
Home Economics	8
Journalism and Broadcasting - Mathematics	9
Music - Physical Education	10
Physical Science - Psychology	11
Recreation - Speech Correction	12
PART II COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS....	
	13-15
PART III COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND SFVSC COURSES FOR WHICH ACCEPTABLE	
Accounting - Arabic	16
Art - Botany	17
Broadcasting - Economics	18
Education - Geography	19
Geology - Home Economics	20
Horticulture, Ornamental - Management	21
Mathematics - Mineralogy	22
Music - Photography	23
Physical Education - Portuguese	24
Psychology - Speech	25
Statistics - Zoology	26
PART IV COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS	
Major and Minor Requirements for Elementary and Secondary Teaching Credentials	27-28
SFVSC Lower Division Course Requirements for Elementary and Secondary Credential Minors and LAC Course Equivalents.....	29-32

PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

SFVSC REQUIRED COURSES

LAC COURSES WHICH MEET THE REQUIREMENT

NOTE: COURSES WHICH MAY BE USED TO SATISFY REQUIREMENTS IN BOTH THE MAJOR AND IN GENERAL EDUCATION ARE INDICATED WITH "G".

ANTHROPOLOGY

Anthropology 150	Anthropology 2	G
Anthropology 204		
Choose three of the following:		
Geography 150	Geography 2	G
History 150,151	History 1,2	G
Philosophy 210	Philosophy 7	G
Sociology 110	Sociology 1	
Sociology 150	Statistics 1	

ART (Maximum transferable: 24 Units)

- Option 1. Fine Arts (Drawing, Painting, Printmaking, Sculpture)
- Option 2. Crafts (Ceramics, Metal, Textiles, Wood)
- Option 3. Design (Graphic Design, Photography, Three Dimensional Design)
- Option 4. Secondary Credential
- Option 5. Elementary Credential, also recommended for General Art Major

Special Requirement: All students entering upper division classification are required to present a portfolio of work demonstrating their achievement level. Details regarding submission of the portfolio may be obtained from the Art Department secretary.

Core Requirements (only lower division required courses are listed here):

Art 111A-111B	Art 1-2	G
Art 124A-124B	Art 20-21	
Art 140A-140B	Art 11-12	

Option 1. Fine Arts

Art 230	Art 25
Art 235	Art 37

Select from the following, with consent of advisor,

4 units from:	
Art 227A	Art 22
Art 227B	Art 23
Art 228	
Art 237	Art 58

SFVSC COURSES

LAC COURSES

ART (Continued)

Option 2. Crafts

Art 124C
Art 235
Art 267
Art 273
Art 277

Art 30
Art 37
Art 52
Art 56

Option 3. Design

Art 124C
Art 240
Art 244
Art 250

Art 30
Art 13
Art 40
Photography 1 or 10

Option 4. Secondary Credential

Select one of the following:

Art 244
Art 250

Art 40
Photography 1 or 10

Option 5. General Art Major (Also Elementary Credential)

Select from the following, for a total of 4 units:

Art 227A, 227B
Art 228
Art 230
Art 235
Art 237
Art 240
Art 244
Art 250
Art 267
Art 273
Art 277

Art 22, 23

Art 25
Art 37
Art 58
Art 13
Art 40
Photography 1 or 10
Art 52
Art 56

BIOLOGY

The student who majors in biology must complete the core program (see below) and is required to demonstrate a proficiency in mathematics equivalent to a passing grade in Mathematics 102 (College Algebra). He may do this by receiving a satisfactory score on the Mathematics Placement Test administered by the testing office. If Mathematics 240 is to be taken at SFVSC (see below), proficiency must be demonstrated before enrollment in that course.

Biology 150-150L
Biology 151-150L

(Biology 3 or Botany 1 G
(or Zoology 1
(Botany 2 or Zoology 2. G
Statistics 1 G

Mathematics 240

SFVSC COURSES

LAC COURSES

BIOLOGY (Continued)

Chemistry 101-102
Chemistry 333
Chemistry 334
Physics 100A-100B

Chemistry 1-2 G
Chemistry 7 with 8

Physics 6-7 or G
Physics 1-2-3-4

BUSINESS ADMINISTRATION

Freshman Year

Economics 150
Economics 160
a Mathematics 102 or
Mathematics 105

b Mathematics 150A or
Mathematics 255A

Economics 2 G
Economics 1 G
Mathematics 2 or 4 or G
Mathematics 2 or
Mathematics 3 with 4 or
Mathematics 7 or
Mathematics 6 or 7

Sophomore Year

Business 220A-B
Business 280

Accounting 1-2
Business 5 or Law 1

Proficiency in typewriting and business machines is required of all office administration majors. Proficiency in shorthand is required of those majors who plan to be executive assistants. Those who demonstrate through proficiency tests the ability to type 60 words a minute, take shorthand at 90 words a minute, and operate business machines, may be excused from further courses in the subjects. These proficiencies may be acquired by taking Business Administration 201, 202, and 212, respectively. Beginning students in typing and shorthand should enroll in Business Administration 101 and 102, respectively. Our equivalents for the above-named courses are as follows:

Business 101
Business 102
Business 201
Business 202
Business 212

Secretarial Science 1
Secretarial Science 10
Secretarial Science 2
Secretarial Science 11
Any combination of Office
Machines 1, 2, 4, and 5

a All business majors are required to take a mathematical proficiency test during their first semester in college.

b Students in Option 7 must take Mathematics 150A

SFVSC COURSES

LAC COURSES

BUSINESS EDUCATION (Secondary Credential Program - Five Years)

The secondary credential with a major in business teacher education and a teaching minor authorizes the holder to teach in his major and minor in the junior and senior high schools of California. A student who wishes to prepare for the credential should complete the B.A. in Business Education, a teaching minor, and the professional education courses required by the School of Education. Credential candidates must select a specialization in Accounting or office Administration.

Preparation for the Major (either specialization):

Mathematics 102	Mathematics 4
Economics 150-160	Economics 2-1
Business 220A-220B	Accounting 1-2
Business 260	Business 1 or Management 1
Business 280	Business 5 or Law 1

The credential candidate must also pass proficiency tests in typing and business machines or complete the following with grades of A or B.

Business 101	<u>or</u>	Secretarial Science 1
		or
Business 201		Secretarial Science 2
Business 212		Any combination of Office Machines 1, 2, 4, and 5

A student who selects the specialization in Office Administration must also pass a proficiency test in shorthand or complete the following with a grade of A or B.

Business 102 or 202	Secretarial Science 10 or 11
---------------------	------------------------------

CHEMISTRY

Chemistry 101-102	Chemistry 1-2 G
Chemistry 221	Chemistry 5
Chemistry 251	
Mathematics 150A	Mathematics 7 G
Mathematics 150B	Mathematics 8
Mathematics 250	Mathematics 11
Mathematics 280	Mathematics 12
Physics 220A-220B-220C	Physics 1-2-3-4 G
Language requirement:	
German 101-102	German 1-2

SFVSC COURSES

LAC COURSES

DRAMA

Drama 100-101

Drama 105

Drama 214 or 217

Drama 264

Any 6 units from Theater Arts,
21, 22, 23, 24, or 26

Theater Arts 44

Recommended: Theater Arts,
21, 22, 23, 24, 25, 30, 31.

Theater Arts 7

A maximum of 20 units in
Theater Arts may be transferred.

ECONOMICS

Economics 150-160

Business 220A-220B

Mathematics 255A-225B

Economics 2-1 G

Accounting 1-2

Mathematics 5 or 7-8

ENGINEERING *

This program is based upon an expectation of adequate high school preparation in science and mathematics. High school courses should include algebra, plane geometry, trigonometry, chemistry or physics (both desirable), and mechanical drawing.

Freshman Year

Engineering 107

Engineering 121

Mathematics 150A-B

Chemistry 101-102

Physics 220A

Gen. Engr. 1 with 4

(Health 10 is acceptable)

Mathematics 7-8 G

Chemistry 1-2 G

Physics 1 with 2 G

Sophomore Year

Engineering 227

Engineering 240

Mathematics 250

Mathematics 280

Physics 220B-220C

General Engineering 5 (must
include Lab).

Gen. Engr. 7 with 8

Mathematics 11

Mathematics 12

Physics 3 with 4

(following 1 with 2 in
freshman year).

*Up to 3 units of general education may be waived provided
that at least two semesters of physical education are included.

SFVSC COURSES

LAC COURSES

ENGLISH

English 155
English 255
English 258-259

English 1 G
English 2 G
English 5-6

Language requirement:

Successful completion of the
second semester of any language
taught at the college level.

Successful completion of the
second semester of a foreign
language. G

FRENCH

French 101-102-201-202

French 1-2-3-4 G

GEOGRAPHY

Geography 101
Geography 102
Geography 103 or 310
Geography 105 or 150
Geography 205 or 405

Geography 1 G
Geography 3 or Meteorology 3
Geography 5 or 2

GEOLOGY

Mathematics 150A
Mathematics 150B or
Mathematics 240
Chemistry 101-102
Physics 100A - B or
Physics 220A - B
Geology 101 -101 L
Geology 102

Mathematics 7 G
Mathematics 8 or
Statistics 1
Chemistry 1-2 G
Physics 6 and 7 or
Physics 1-2-3 G
Geology 1 with 6 or 4
Geology 2 with 7 or 5

Language requirement:

French 101-102 or
German 101-102 or
Russian 101-102

French 1-2 or
German 1-2 or
Russian 1-2

GERMAN

German 101-102-103-104

German 1-2-3-4 G

SFVSC COURSES

LAC COURSES

HEALTH SCIENCE

The Department of Health Science offers curricula leading to the B.S. degree in Health Science with two options:

1. School Health, with areas of concentration for Teacher Education or School Nursing
2. Public Health, with areas of concentration in Environmental Health, Health Statistics (Biostatistics), Occupational Health, and Public Health Education. With proper planning and selection of electives, the student in this option can also meet pre-medical and pre-dental requirements.

Both options prescribe the same core program. Lower division requirements are as follows:

Health Science 120
Biology 150-150L

Biology 215
Biology 221
Biology 222

Mathematics 102 or
Mathematics 105
Mathematics 150A
Chemistry 103-104 or
Chemistry 101-102
Psychology 150
Sociology 150

Health 10 G
Botany 1 or Biology 3 G
or Zoology 1
Microbiology 1 or 20
Anatomy 1
Physiology 1 or 3
(Zoology 6 alone meets
the 221-222 requirement)
Mathematics 2. or 4 or
Mathematics 2, or 3 with 4 or G
Mathematics 7
Chemistry 1 - 2 G
Chemistry 1 - 2
Psychology 1 G
Sociology 1 G

HISTORY

Geography 150
History 150-151
History 270-271

Geography 2 G
History 1 - 2 G
History 11-12- or 17-18 G

SFVSC COURSES

LAC COURSES

HOME ECONOMICS

Three options are provided:

1. Preparation for the standard secondary credential as well as for employment in several other areas
2. Preparation for a career in business and industry
3. Preparation for dietetics internship.

The core program is required of all home economics majors; its lower division requirements are as follows:

Art 140A
Biology 150-150L

Biology 215
Chemistry 103-104
Chemistry 235
Home Economics 160
Home Economics 170
Home Economics 205

Art 11
Biology 3 or Botany 1
or Zoology 1
Microbiology 1 or 20
Chemistry 1-2 G
Chemistry 7 with 8
Home Economics 10 with 17
Home Economics 13 or 14
Home Economics 21 with 24

Certain of the options list lower division requirements in addition to core program lower division requirements as follows:

Option 2
Journalism and Broadcasting 110 Journalism 1

Option 3
Business 220A Accounting 1

Choice of 6 units from
Economics 150-160
Sociology 150

Economics 2-1 G
Sociology 1 G

SFVSC COURSES

LAC COURSES

JOURNALISM AND BROADCASTING

Two majors in mass communications are offered:

1. A major in journalism for students who plan professional careers in newspaper and magazine editorial work, advertising and public relations, or telephone and radio news work, or for students who feel a study of the media of mass communications would contribute to their liberal education.
2. A major in broadcasting for students who plan careers in educational or commercial broadcasting or station management.

Students are encouraged to take a second major or a minor in a related field such as English, history, political science, or sociology.

Students majoring in journalism are required to complete successfully the second semester of any foreign language taught at the college or to pass an examination to demonstrate an equivalent proficiency. (Foreign Language is not required of Broadcasting majors.) G

Journalism Major Requirements:

Journalism and Broadcasting 100	Journalism 5
Journalism and Broadcasting 110	Journalism 1
Journalism and Broadcasting 210	Journalism 26
Journalism and Broadcasting 230	Journalism 16

Broadcasting Major Requirements:

Journalism and Broadcasting 197	Broadcasting 15 or 48
Journalism and Broadcasting 280	Broadcasting 1

At least two courses from the following (6 units):

Journalism and Broadcasting 110	Journalism 1
Speech 104	Speech 4
Speech 220	Speech 2
Speech 225	Speech 11

MATHEMATICS

Mathematics 150A-B	Mathematics 7-8 G
Mathematics 250	Mathematics 11
Physics 220A-B	Physics 1-2-3 G

SFVSC COURSES

LAC COURSES

MUSIC

History and Literature

Music 201A-B

Theory

Music 120A-B

Music 121ABC

Music 220

Music 226

Ensembles (1-1-1-1-). At least one each semester selected from:

Music 180

Music 182

Music 184

Music 30 and 31 G

Music 6 and 7

Music 2-3-4

Music 12 and 13

Music 76 or 77

(Maximum 4 units)

Music 74

(Maximum 4 units)

Music 55, 56, 57 or

58 (Maximum 4 units)

A maximum of 12 units in performance courses is applicable toward the B.A. degree, not more than 8 of which can be in any one activity, and not more than 8 of which can be transferred.

PHILOSOPHY

Philosophy 201-202-210-230

Philosophy 3-4-7-9- G

PHYSICAL EDUCATION

Biology 150

Biology 221

Biology 222

Biology 1 or 3 or

Botany 1 or Zoology 1 G

Anatomy 1

Physiology 1 or 3

(Zoology 6 alone meets the 221-222 requirement)

Specific sports skills tests are prerequisite to enrollment in the following courses:

Physical Education 110 (Men)

Physical Education 113 (Women)

Physical Education 180-181-280-281

Recommended P.E. 5 H, K

Recommended P.E. 5 B G

P.E. 17, 18, and 19

(Women), or P.E. 31-

32, -33, -and 39 (Men),

or P.E. 20 -21- 22, 23,

and any additional units

from 26, 27, 28, 29, 30,

or 49 to meet the 8 unit

requirement

Physical Education 288 (Women)

or 289 (Women)

P.E. 24 or 25

SFVSC COURSES

LAC COURSES

PHYSICAL SCIENCE

The major in physical science is designed to prepare students for a diversity of career choices, as follows:

1. Professions in technical services (libraries, sales, patent offices, etc.)
2. Teaching positions in the secondary school systems
3. Studies primarily outside the physical sciences in which familiarity with physical sciences is required

The major is administered by the Departments of Chemistry and Physics and contains two options which may be taken separately or jointly. The two options have the same lower division core requirements:

Mathematics 150A-B
Mathematics 250-280
Physics 220A-B-C
Chemistry 101-102

Mathematics 7-8 G
Mathematics 11-12
Physics 1-2-3-4 G
Chemistry 1-2 G

PHYSICS

Physics 220A-220B-220C
Mathematics 150A-150B
Mathematics 250-280
Chemistry 101-102

Physics 1-2-3-4
Mathematics 7-8
Mathematics 11-12
Chemistry 1-2

POLITICAL SCIENCE

Political Science 155
Political Science 156
Political Science 201
Economics 150
History 151
Sociology 110

Political Science 1 G
Political Science 2
Economics 2 G
History 2
Statistics 1

PSYCHOLOGY

Psychology 150
Psychology 225
Psychology 250

Psychology 1 G
Psychology 5
Psychology 2

Strongly Recommended:

Supporting courses in biology, mathematics, philosophy, and the social sciences.

SFVSC COURSES

LAC COURSES

RECREATION

Physical Education 180-181-280-281

P.E. 17-18-19 (Women) or
P.E. 31-32-33-39, (Men) or G
P.E. 20-21-22-23 and any
additional units from 26,
27, 28, 29, 30, or 49 to
meet the 8 unit requirement
P.E. 1, 2, 3, 4, 5, 6, 7

(For the transfer student - At least
one course in each area for a
minimum total of 8 classes in the
following: Aquatics, individual
and Dual Sports, Team Sports, and
Dance.)

Health Science 160

Health 12

RUSSIAN

Russian 101-102-201-202

Russian 1-2-3-4 G

SOCIOLOGY

Sociology 150
Sociology 202
Philosophy 210

Sociology 1 G
Philosophy 7 G

SPANISH

Spanish 101-102-201-202

Spanish 1-2-3-4 G

SPEECH

Speech 104
Speech 155
Speech 220
Speech 225

Speech 4
Speech 1
Speech 2
Speech 11

SPEECH CORRECTION

Speech 155
Select one from:
Speech 220
Speech 225

Speech 1 G
Speech 2
Speech 11 G

Section B (continued)

3. Science Electives

Astronomy 1
Biology 2, 7, 24, 25
Botany 2, 3
Earth Science 1
Entomology 11
Geography 1, 3
Geology 1, 4, 6
Meteorology 3
Microbiology 1, 6, 20
Minerology 1, 2, 10, 11
Paleontology 1
Physical Science 2
Physics 2, 3, 4, 7
Zoology 2, 5

Section C. The Humanities 9 Semester Units

Choose at least three units from each sub-section:

1. Art, Drama or Music
Art 1, 2, 3, 4, 11, 12, 13, 20, 21, 30
Humanities 3
Music 2, 3, 6, 7, 30, 31, 32, 33
Theater Arts 2, 5, 6
2. Literature
English 2, 3, 4, 5, 6, 7, 8, 14
3. Philosophy 1, 2, 3, 4, 20

Section D. Rhetoric 6 Semester Units

One course from each sub-section:

1. English 1
2. Speech 1, 2, 11

Section E. General Psychology 3 Semester Units

Psychology 1

Section F. Health and Physical Education 4 Semester Units

1. Health 10 or 11.
2. Physical Education: 4 Semesters of activities selected from P.E. 1, 2, 3, 4, 5, 6, 7, 8, 13, 50, 60

Section G. Selected Electives Our Course is Required

Choose only from the following:

Any foreign language, up to 6 units, at the level of course 2 or beyond.

Mathematics 1, 2, 4, 5, 6, 7, 17, 23, 25, 35, 71,
72

Philosophy 7, 8, 9

Statistics 1

Total Required Semester Units in General Education 46

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND SFVSC COURSES FOR
WHICH ACCEPTABLE

This section lists all courses transferable to San Fernando Valley State College for credit. SFVSC courses for which Los Angeles College courses are acceptable toward the Major are indicated in the right column opposite the respective course numbers. Courses from this list which meet the General Education requirements may be found by referring to PART II of this Bulletin. All other courses are acceptable for elective credit only.

Each course, individually, is acceptable for transfer credit. The words "or", "and", and "with" in the LAC column refer to SFVSC equivalencies.

LAC COURSES

SFVSC COURSES

ACCOUNTING

- 1.
- 2.
3. with 22 (Same as 1)

Business 220A
Business 220B

AGRICULTURE

- 1,2

ANATOMY

- 1.
- 1 with Physiology 1 or 3
40

Biology 221
Biology 221-222

ANTHROPOLOGY

- 1.
- 2.
- 3,4,5,6,7

Anthropology 150

ARABIC

- 1, 2, 3, 4, 5, 6, 10, 11

LAC COURSES

SFVSC COURSES

ART (Maximum transferable: 24 units)

- 1.
- 2.
- 3 or 4
- 5, 6, 7, 8, 10*
- 11-12

Art 111A or 105
Art 111B or 105
Art 105

Art 140 A-B

*Art 10 may be substituted for SFVSC Art 380 toward the Elementary Credential, but is not equivalent in any other respect.

- 13.
- 14, 15, 18
- 20-21
- 22-23
- 24.
- 25. (Maximum: 2 units)
- 26, 27, 28, 29
- 30.
- 31, 32, 33, 34
- 37.
- 38.
- 40.
- 41, 42, 43, 44, 45, 47, 48, 50, 51
- 52.
- 53, 54, 55
- 56.
- 57.
- 58.
- 59, 80

Art 240

Art 124A-B.
Art 227A-B

Art 230

Art 124C

Art 235

Art 244

Art 267

Art 273

Art 237

ASTRONOMY

- 1.
- 2.

Physical Science 152

BIOLOGY

- 1.
- 2.
- 3.
- 6.
- 7.
- 10, 13
- 23.
- 24.
- 25, 41

Biology 150
Biology 151
Biology 150-150L
Biology 150-150L
Biology 151-151L

Biology 150
Biology 151

BOTANY

- 1.
- 2.
- 3, 40

Biology 150-150L
Biology 151-151L

LAC COURSES

BROADCASTING

- 1.
- 15 or 48
- 5, 10, 20, 21, 25, 45

BUSINESS

- 1.
- 5.
- 6, 8, 15, 32, 33

BUSINESS DATA PROCESSING

- 1, 21, 31

CHEMISTRY

- 1.
- 2.
- 1 with 2
- 3.
- 4.
- 5.
- 6.
- 7-8
- 11, 12 with 13, 14, 15

CHINESE

- 1-2
- 3-4
- 8, 10, 11

DRAFTING

- 1.

EARTH SCIENCE

- 1.

ECONOMICS

- 1.
- 2.
- 4,5

SFVSC COURSES

Journalism and Broadcasting 280
Journalism and Broadcasting 197

Business 260
Business 280

Chemistry 101
Chemistry 102
Chemistry 103-104
Chemistry 103

Chemistry 221

Chemistry 235

Chinese 101-102
Chinese 201-202

Economics 160
Economics 150

LAC COURSES

EDUCATION

1, 2, 3

ENGINEERING, CIVIL

1, 2, 3, 4

ENGINEERING, GENERAL

1 with 4
2.
5 (with lab.)
7 with 8
15, 25, 35

SFVSC COURSES

Engineering 107
Engineering 105
Engineering 227
Engineering 240
Engineering 105

ENGLISH

1.
2.
3, 4
5-6
7, 8, 11, 12,
14, 15, 16, 17, 18*, 19, 20, 21
24, 25, 27, 44, 45
English 13

English 155
English 255

English 258-259

(Maximum: 6 units)

English 264

* English 18 may be substituted for SFVSC English 328 toward the Elementary Credential, but is not equivalent in any other respect.

ENTOMOLOGY

11.

FINANCE

8.

FRENCH

1-2
3-4
20.
5, 6, 7, 8, 10, 11

French 101-102
French 201-202
French 101-102

GEOGRAPHY

1.
2.
3.
4.
5.
10, 11, 12, 14, 30

Geography 101
Geography 150
Geography 103

Geography 105

LAC COURSES

GEOLOGY

- 1.
- 2 with 7
- 4.
- 5.
- 6.
- 9, 12

GERMAN

- 1-2
- 3-4
- 5, 6, 7, 8, 10, 11

GRAPHIC ARTS

- 1.

HEALTH

- 10 or 11
- 12.

HEBREW

- 1, 2, 3, 4, 5, 10

HISTORY

- 1.
- 2.
- 3, 4
- 5.
- 6, 7, 10
- 11-12
- 13 or 14
- 15, 16
- 17-18
- 20, 21, 23, 27, 29, 35

HOME ECONOMICS

- 10 with 17
- 13 or 14
- 21 with 24
- 1, 2, 30, 31

SFVSC COURSES

Geology 101
Geology 102
Geology 101-101L
Geology 102
Geology 101L

German 101-102
German 201-202

Health Science 120 or
Engineering 121
Health Science 160

History 150
History 151

History 254

History 270-271
History 255

History 270-271

Home Economics 160
Home Economics 170
Home Economics 205

LAC COURSES

HORTICULTURE, ORNAMENTAL

1, 2, 3, 4, 5

HUMANITIES

1, 2, 3, 5, 7, 10

INDUSTRIAL ARTS

1, 11, 21, 41, 51

ITALIAN

1, 2, 3, 4, 5, 6, 8, 10, 11

JAPANESE

1, 2, 3, 4, 5, 6, 10, 11, 12, 13

JOURNALISM

1.
2.
4.
5.
6.
16.
18,20
25.
32, 33, 35, 41, 42, 43, 44

Journalism and Broadcasting 110
Journalism and Broadcasting 210
Journalism and Broadcasting 100
Journalism and Broadcasting 230
Journalism and Broadcasting 100

LATIN

1-2
3-4

Latin 101-102
Latin 201-202

LAW

1.
2.

Business 280

MANAGEMENT

2.

Business 260

LAC COURSES

MATHEMATICS

- 1.
- 2.
- 3 with 4
- 4.
- 5.
- 6.
- 7.
- 8.
- 11.
- 12.
- 13, 15
17. (with prerequisite of high school algebra and geometry)
- 18, 23, 24
- 25.
- 26, 27
- 35.
- 36.
- 37, 38, 44, 60, 61, 62
- 63.
- 71, 72 (Same as 7)
- 73, 74 (Same as 8)

MERCHANDISING

METEOROLOGY

- 3.

MICROBIOLOGY

- 1 or 20
- 6.

MINERALOGY

- 1, 2, 10, 11, 12

SFVSC COURSES

Mathematics 102 or 105
Mathematics 105
Mathematics 102

Mathematics 255A
Mathematics 255A or 150A
Mathematics 255B or 150B
Mathematics 250
Mathematics 280

Mathematics 131

Mathematics 210

Mathematics 210

Mathematics 281

(Maximum: 3 units for any combination of courses applicable to Business Education Major)

Geography 103

Biology 215

IAC COURSE

SFVSC COURSE

MUSIC (Maximum transferable: 32 units)

2-3-4
6-7
12 with 13
30-31
32 or 33
40-41-42 (Maximum 2 units
57. (Maximum for any combination
of 55, 56, 57, 58, 59: 4 units)
60.
61, 62 or 66
74.
76 or 77
5, 8, 17, 28, 29, 34, 44, 54, 55, 56
58, 59, 68, 69, 70, 71, 72, 74, 81,
82, 83, 90

Music 121 A-B-C
Music 120 A-B
Music 226
Music 201 A-B
Music 105
Music 240 A-B
Music 184

Music 141 A-B or 142 A-B
Music 242 A-B
Music 182
Music 180

OFFICE MACHINES

1, 2, 4, or 5 (Maximum for any
combination: 4 units) Business 212
(maximum for any combination of 1, 2, or 5: 2 units)

PALEONTOLOGY

1.

PHILOSOPHY

1.
2.
3-4
6.
7.
7 with 8
9.
15, 20, 21, 22, 23, 24, 25

Philosophy 150
Philosophy 201-202

Philosophy 210
Philosophy 100
Philosophy 230

PHOTOGRAPHY (Maximum: 6 units)

1 or 10
2, 3, 4, 11, 15, 16, 17, 21, 30

Art 250

**SFVSC
COURSES**

LAC COURSE

SFVSC COURSE

PHYSICAL EDUCATION

1, 2, 3, 4, 5, 6, 7, 8,
13.
17-18-19
20-21-22-23 or
26-27-28-29
24 or 25
28.
30.
31-32-33-39
16, 34, 35, 40, 41, 42, 43, 44, 45, 50
48, 49, 50, 60

P. E. 160
P. E. 180-181-280-281
(Partial Credit for P.E. 180-
181-280-281)
P. E. 288 (W) or 289
P.E. 113

P. E. 180-181- 280- 281

PHYSICAL SCIENCE

1.
2.

Physical Science 150
Physical Science 151

PHYSICS

1 with 2
1-2-3
1-2-3-4
6-7
11, 12, 14
21.

Physics 220A
Physics 220A-B
Physics 220A-B-C
Physics 100A-B

Physics 100A

PHYSIOLOGY

1 or 3
1 or 3 with Anatomy 1

Biology 222
Biology 221-222

POLICE SCIENCE (A maximum of 15 units is
transferable)

POLITICAL SCIENCE

1.
2.
7, 8, 10, 30

Political Science 155
Political Science 156

PORTUGUESE

1, 2, 3, 4

**SFVSC
COURSES**

LAC COURSE

SFVSC COURSE

PSYCHOLOGY

- 1.
- 2.
- 3,4
- 5.
- 11, 12, 13, 14

Psychology 150
Psychology 250

Psychology 225
(Maximum: one course)

RUSSIAN

- 1-2
- 3-4
- 5, 8

Russian 101-102
Russian 201-202

SECRETARIAL SCIENCE

- 1.
- 2.
- 10.
- 11.
- 3,4,5, (Maximum: 4 units)
- 12, 13, 14, 15 (Maximum: 4 units)
- 16, 17, 18, 19 (Maximum: 3 units)
- 30, 32, 41

Business 101
Business 201
Business 102
Business 202

SOCIOLOGY

- 1.
- 2.
- 4, 7, 10, 12, 13, 15, 19, 20

Sociology 150
Sociology 200

SPANISH

- 1-2
- 3-4
- 5.
- 6, 7, 8, 9, 10, 11, 12, 13

Spanish 101-102
Spanish 201-202
Spanish 220

SPEECH

- 1.
- 2.
- 3.
- 4.
- 7, 9
- 11.
- 12.
- 13.
- 15.

Speech 155
Speech 220

Speech 104

Speech 225

Speech 198

LAC COURSE

SFVSC COURSE

STATISTICS

- 1.
- 2.

Sociology 110 or
Psychology 110 or
Mathematics 240

THEATER ARTS (Maximum transferable: 20 units)

- 1.
- 2.
- 5, 6
- 7.
- 10, 15
- 21.
- 22, 23, 24, 26 (any 6 units)
- 26.
- 30.
- 40, 42
- 44.
- 45 or 46
- 47.

Drama 150

Drama 264

Drama 100
Drama 100-101
Drama 101
Drama 116

Drama 105
Drama 205
Drama 196

ZOOLOGY

- 1.
- 2.
- 4, 5
- 6.

Biology 150-150L
Biology 151-151L

Biology 221-222

PART IV

COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

The lower division requirements for Elementary and Secondary Credential majors are, in most cases, the same as for the non-teaching credential majors offered by the various departments at SFVSC. The requirements for these regular majors are outlined in PART I of this bulletin.

Lower division requirements for the minors for Elementary and Secondary Credentials are generally less comprehensive than for regular majors and are therefore given in detail herein.

Credential candidates must complete the same basic general education pattern required of all students. In addition to all other requirements (general education, major, minor), the candidate for the Elementary Credential must complete the following courses:

<u>SFVSC COURSE</u>	<u>LAC COURSE WHICH MEETS THE REQUIREMENT</u>
Mathematics 210A	Mathematics 25 or 35
Art 380	Art 10*
English 328	English 18*
Music 361	

* These courses fulfill the requirement for the Elementary Credential, but are not, in any other respect equivalent to the upper division courses.

I. MAJOR AND MINOR REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS

A. Elementary

1. Completion of a major in one of the following subjects:

Anthropology
Art (Option 5)
Biology
Drama
English
French

Geography
German
History
Mathematics
Music
Philosophy

Political Science
Psychology
Russian
Sociology
Spanish
Speech

A. Elementary (continued)

2. Completion of a minor in one of the following subjects:

Anthropology	Geology	Philosophy
Art	German	Physical Education
Biology	Health Science	Physics
Chemistry	History	Political Science
Drama	Home Economics	Psychology
Economics	Latin	Russian
English	Mathematics	Sociology
French	Music	Spanish
Geography		Speech

B. Secondary

1. Completion of a major in one of the following subjects. (The major must be in one of the starred subjects if the student chooses a minor in an unstarred subject or specialized preparation in teaching exceptional children in lieu of a minor.)

Anthropology*	Geography *	Philosophy*
Art*	German*	Physical Education
Biology*	Health Science	Political Science*
Broadcasting	History*	Psychology*
Business Education	Home Economics	Russian*
Drama*	Journalism	Sociology*
Economics*	Mathematics*	Spanish*
English*	Music*	Speech*
French*		

2. Completion of a minor in one of the following subjects. (The minor must be in a starred subject if the student chooses an unstarred major.)

Anthropology*	Geology*	Philosophy*
Art*	German*	Physical Education
Biology*	Health Science	Physics*
Business Education	History*	Political Science*
Chemistry*	Home Economics	Psychology*
Drama*	Journalism	Russian*
Economics*	Latin*	Sociology*
English*	Mathematics*	Spanish*
French*	Music*	Speech*
Geography*		

In choosing the major and minor, the Secondary Credential candidate should keep in mind that student teaching will later be required in at least one subject normally taught in the local secondary schools. It is therefore recommended that the student choose both major and minor from among those subjects in which student teaching is available. Secondary student teaching assignments are not available in Anthropology, Economics, Psychology, and Sociology. Students with a major in Anthropology, Broadcasting, or Philosophy are required to take a second minor as defined by the State Department of Education. Students with a major in Business Administration or Physical Education are required to complete a minor in an academic subject.

**II. SFVSC LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND SECONDARY
CREDENTIAL MINORS AND LAC COURSE EQUIVALENTS**

<u>MINOR</u>	<u>SFVSC COURSE</u>	<u>LAC COURSE</u>
Anthropology	Anthropology 150 Anthropology 204 <u>or</u> 301	Anthropology 2
Art	Art 124A-B Art 140 A-B Art Elective	Art 20-21 Art 11-12 Art Elective
Biology	Chemistry 101-102 or Chemistry 103-104 Biology 150-150L Biology 151-151L Biology 221-222	Chemistry 1-2 Biology 3 or Zoology 1 or Botany 1 Zoology 2 or Botany 2 Anatomy 1 <u>with</u> Physiology 1 or 3 <u>or</u> Zoology 6
Business Education (Secondary only)	Business 220A-B <u>Select 4 units from:</u> Business 101 ^a or 201 ^a Business 212 ^a Strongly recommended: Business 260 Acceptable: Business 102 or 202 Business 280	Accounting 1-2 Secretarial Science 1 or 2 2 units from OM 1, 2, 4, 5 Business 1 or Management 2 Secretarial Science 10 <u>or</u> 11 Business 5 or Law 1
Chemistry	Chemistry 101-102 Chemistry 221 Recommended: Physics 100A-B	Chemistry 1-2 Chemistry 5 Physics 6-7
Drama	Drama 100-101 Drama 264	Any 6 units from Theater Arts 22, 23, 24, 26 Theater Arts 7
Economics	Economics 150-160	Economics 2-1
English	English 255 English 258-259	English 2 English 5-6
French	French 101-102-201-202	French 1-2-3-4

^aCourse credit, not unit credit, may be obtained by passing proficiency tests in these subjects in lieu of taking the courses.

**SFVSC
CREDENTIALS**

<u>MINOR</u>	<u>SFVSC COURSE</u>	<u>LAC COURSE</u>
Geography	Geography 101 Geography 105 Geography 150	Geography 1 Geography 5 Geography 2
Geology	Chemistry 101 Geology 101-101L Geology 102	Chemistry 1 Geology 1-6, <u>or</u> 4 Geology 2 with 7, <u>or</u> 5
German	German 101-102-201-202	German 1-2-3-4
Health Science	Biology 221-222 Recommended: Biology 151 Chemistry 103) Chemistry 104.)) Health Science 160	Anatomy 1 with Physiology 1 or 3, or Zoology 6 Biology 2 <u>or</u> Botany 2 or Zoology 2 Chemistry 3 for 103 alone Chemistry 1 with 2 for 103 and 104. Health 12
History	History 150-151 History 270-271	History 1-2 History 11-12 <u>or</u> 17-18
Home Economics	Art 140A Home Economics 160 Home Economics 170 Home Economics 205	Art 11. Home Economics 10-17 Home Economics 13 <u>or</u> 14 Home Economics 21 and 24
Journalism	JB 100 JB 110 JB 210 JB 230	Journalism 5 Journalism 1 Journalism 2 Journalism 16
Latin	Latin 101-102-201-202	Latin 1-2-3-4
Mathematics	Plan A Mathematics 150A-B Mathematics 250	Mathematics 7-8 Mathematics 11

<u>MINOR</u>	<u>SFVSC COURSE</u>	<u>LAC COURSE</u>
MATHEMATICS (continued)	Plan B	
	Mathematics 240	Statistics 1
	Mathematics 255A-B	Mathematics 7-8
	Mathematics 260	Mathematics 63
	Mathematics 281	

Music	8 units chosen from:	
	Music 120A-B	Music 6-7
	Music 121 A-B-C	Music 2-3-4
	Music 220	Music 31
	Music 201B	

Music minors are required to declare a performance specialization (voice, piano, or other principal instrument), to develop this performance ability, to participate in an ensemble of their declared skill for a total of four semesters or 4 units, and to appear in one student ensemble recital each year. A reasonable level of keyboard proficiency, to be determined by examination, must be acquired by the junior year.

Elementary Teaching Concentration add:

2 units from:	
Music 180	Music 76, 77
Music 182	Music 74, 75
Music 184	Music 55, 56, 57, or 58
Also Recommended:	Music 40-41

Secondary Teaching Concentration-Vocal add:

4 units from:	
Music 184)	Music 55, 56, 57, or 58
Music 190)	
Music 191)	
Also Recommended:	Music 40-41

Secondary Teaching Concentration-Instrumental add:

2 units from:	
Music 180	Music 76, 77
Music 182	Music 74, 75
Also Recommended:	Music 70, 71, 72

Philosophy	Philosophy 201-202	Philosophy 3-4
-------------------	--------------------	----------------



**SFVSC
CREDENTIALS**

<u>MINOR</u>	<u>SFVSC COURSE</u>	<u>IAC COURSE</u>
Physical Education	Biology 150 Biology 221	Biology 1 or 3 or 23 or Zoology 1 or Botany 1 Anatomy 1
Physics	Physics 220A-B-C	Physics 1-2-3-4
Political Science	Political Science 155 Political Science 156 Political Science 201	Political Science 1 Political Science 2
Psychology	Psychology 150-250	Psychology 1-2
Russian	Russian 101-102-201-202	Russian 1-2-3-4
Sociology	Sociology 110 Sociology 150	Statistics 1 Sociology 1
Spanish	Spanish 101-102-201-202	Spanish 1-2-3-4
Speech	Speech 104 One of the following: Speech 155 Speech 220 Speech 225	Speech 4 Speech 1 Speech 2 Speech 11