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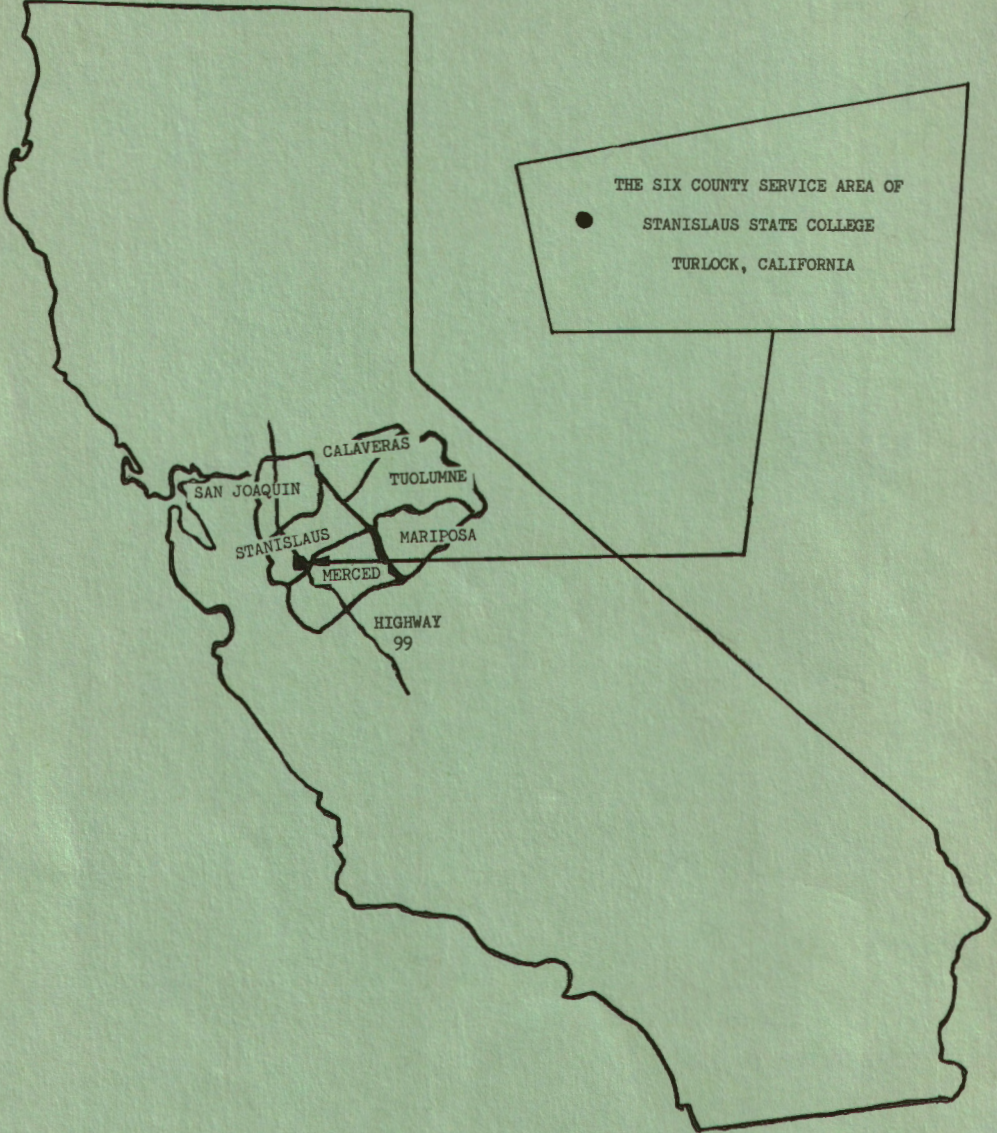
*Edward J. Albert*

**1961-63**

**STANISLAUS  
STATE  
COLLEGE**

**TURLOCK, CALIFORNIA**





THE SIX COUNTY SERVICE AREA OF  
● STANISLAUS STATE COLLEGE  
TURLOCK, CALIFORNIA

SAN JOAQUIN

CALAVERAS

TUOLUMNE

STANISLAUS

MARIPOSA

MERCED

HIGHWAY  
99

# **STANISLAUS STATE COLLEGE**

## **GENERAL CATALOG**

1961-1963

**MAILING ADDRESS**

P. O. Box 1000  
TURLOCK, CALIFORNIA

**TELEPHONE**

MErcury 2-2411



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**STANISLAUS STATE COLLEGE**  
Turlock, California

**1961-63 CALENDAR**

**FIRST SEMESTER**

<i>1961-62</i>		<i>1962-63</i>
September 11	New Faculty Orientation	September 10
September 12-13	Faculty Conferences, Student Counseling, Orientation and Testing	September 11-12
September 14-16	Registration, Thursday-Saturday Noon	September 13-15
September 18	Classes Convene, Monday 8:00 a.m.	September 17
September 23	Last day for Late Registration	September 22
September 30	Last day for Change of Program	September 29
October 20	First Scholarship Report	October 19
October 20	Last day to drop class w/o penalty	October 19
November 11	Legal Holiday (Veterans Day)	November 12
November 23-26	Thanksgiving Holiday	November 22-25
December 1	Second Scholarship Report	November 30
December 20-January 1	Christmas Holidays	December 19-January 1
January 22-27	Final Examinations for First Semester	January 21-26
January 27	Semester Ends	January 26

**SECOND SEMESTER**

January 30	New Faculty Orientation	January 29
January 31	Faculty Conferences, Student Orientation and Testing	January 30
February 1-3	Registration, Thursday-Saturday Noon	January 31-February 2
February 5	Classes Convene, Monday 8:00 a.m.	February 4
February 10	Last day for Late Registration	February 9
February 12	Legal Holiday (Lincoln's Birthday)	February 12
February 17	Last day for change of Program	February 16
February 22	Legal Holiday (Washington's Birthday)	February 22
March 16	First Scholarship Report	March 15
March 16	Last day to drop class w/o penalty	March 15
April 16-22	Easter Vacation	April 8-14
May 4	Second Scholarship Report	May 3
May 30	Legal Holiday (Memorial Day)	May 30
June 4-9	Final Examinations for Second Semester	June 3-8
June 9	Semester Ends	June 8

**SUMMER SESSION**

<i>1962</i>		<i>1963</i>
June 18-30	Two Weeks	June 17-27
July 2-August 10	Six Weeks	July 1-August 9
August 13-September 8	Four Weeks	August 12-September 6

**TESTING**

The College Testing program will be given at Stanislaus State College on the following dates:

Saturday, November 4, 1961  
 Saturday, February 24, 1962  
 Saturday, April 21, 1962

Saturday, November 10, 1962  
 Saturday, February 23, 1963  
 Saturday, April 20, 1963





## TRUSTEES OF THE CALIFORNIA STATE COLLEGES

### ADMINISTRATIVE OFFICE

Buell G. Gallagher.....Chancellor  
Don B. Leiffer.....Administrative Officer

### TRUSTEES, 1960-61

Governor Edmund G. Brown.....Sacramento  
Lieutenant Governor Glenn M. Anderson.....Sacramento  
Roy E. Simpson, Superintendent of Public Instruction.....Sacramento  
Byron J. Atkinson.....Los Angeles  
Mrs. Talcott Bates.....Carmel  
Thomas W. Braden.....Oceanside  
William K. Coblenz.....San Francisco  
Raymond J. Daba.....Atherton  
Donald M. Hart.....Bakersfield  
Louis H. Heilbron.....San Francisco  
Dr. Mabel E. Kinney.....Los Angeles  
Charles Luckman.....Los Angeles  
Mrs. Seymour Mathiesen.....Fresno  
Theodore Meriam.....Chico  
J. Philip Murphy.....Piedmont  
Thomas L. Pitts.....San Francisco  
Herman H. Ridder.....Long Beach  
Paul Spencer.....San Dimas  
Allen J. Sutherland.....San Diego

### LEGISLATIVE INTERIM COMMITTEE

Ralph M. Brown.....Modesto

## ADMINISTRATION, STANISLAUS STATE COLLEGE

President ..... J. Burton Vasche  
Secretary to President..... E. Lorraine Johnson

### CAMPUS DEVELOPMENT

Executive Dean ..... Gerard J. Crowley  
Secretary to Executive Dean ..... Leona Anderson  
Assistant to Executive Dean ..... S. Leroy Wilson

### ACADEMIC AFFAIRS

Dean of Instruction ..... John E. Caswell  
Division of Business ..... Gerard J. Crowley, Chairman  
Division of Creative Arts ..... Joseph E. Bruggman, Chairman  
Division of Education ..... Lloyd E. Bevans, Chairman  
Division of Humanities ..... Max C. Norton, Chairman  
Division of Science and Mathematics ..... James C. Hanson, Chairman  
Division of Social Sciences ..... John E. Caswell, Chairman  
Audio-Visual Services ..... Joseph E. Bruggman, Chairman

### BUSINESS AFFAIRS

Business Manager..... Ernest E. Rives  
Secretary to Business Manager ..... Marjorie Channing  
Accounting Officer ..... A. Harry Hlad  
Purchasing Officer..... Thomas J. White  
Supervisor of Central Clerical Staff ..... Irene Hatfield

### LIBRARY

College Librarian ..... R. Dean Galloway  
Secretary to College Librarian ..... Barbara Bullard  
Head of Technical Services ..... Miriam C. Maloy  
Head of Public Services ..... Walter Kohn  
Circulation and Reference Librarian ..... Louise Carter  
Cataloger ..... Agnes Bennett  
Order Librarian ..... Alfred J. Maupin

### ADMISSIONS AND RECORDS

Associate Dean of Students (Admission and Records) ..... Tom H. Emmons  
Secretary to Associate Dean ..... Ruth E. Petit  
College Counselor ..... Rudolph C. Ferguson  
Registrar ..... Edward J. Aubert  
Evaluator ..... Yvonne Baptiste  
Placement, Veterans, and Housing ..... Marion McCardia

### STUDENT ACTIVITIES

Associate Dean of Students (Activities) ..... Joseph E. Bruggman  
Secretary to Associate Dean ..... Carol E. Anderson

## OFFICE STAFF

### PRESIDENT'S OFFICE

E. Lorraine Johnson

Esther Noda

### ADMISSION AND RECORDS

Yvonne Baptiste  
Alice A. Crowder  
Mary Jo Ferrise

Marion McCardia  
Ruth E. Petit

### BUSINESS OFFICE

Robert Byers  
Marjorie Channing  
Nancy Hamner  
A. Harry Hlad

Patricia Hillis  
Patricia Moore  
Thomas J. White  
Anita L. Johnson

### CAMPUS DEVELOPMENT

Leona Anderson

### INSTRUCTION

Esther Benjamin  
Irene Hatfield

Evelyn Holbrook  
Mary V. Gomes

### LIBRARY

Barbara Bullard  
Betty Hedgpeth

Dorothy Johnson  
Nadene Yaure  
Anita M. Domries

### STUDENT ACTIVITIES

Carol E. Anderson

### MAINTENANCE STAFF

Paul Adams

Milard C. Ortman

## FACULTY

- Vasche, J. Burton..... President of the College, 1960  
 B.A., 1931, San Jose State College; M.A., 1935; Ed.D., 1947, Stanford University
- Barrett, Thomas Patrick..... Assistant Professor of Business, 1961  
 B.S., 1954, Northeastern University; M.A., 1958, Michigan State University
- Becker, Arthur G..... Lecturer in Education (Part time), 1961  
 A.B., 1938; M.A., 1941, University of California
- Bennett, Agnes L..... Librarian II, 1961  
 A.B., 1951, Luther College; A.M.L.S., 1952, University of Michigan
- Bevans, Lloyd E..... Professor of Education, 1960  
 A.B., 1936, Iowa State College; M.A., 1938, University of Iowa; Ed.D., 1951, Stanford University
- Buggman, Joseph E..... Associate Dean of Students  
 (Activities), 1961  
 Associate Professor of Music, 1960  
 B.A., 1941, San Jose State College; M.A., 1947; Ed.D., 1949, Columbia University
- Byrnes, Mary L..... Associate Professor of Education, 1960  
 A.B., 1935, San Francisco State College; Ed.D., 1959, Columbia University
- Carter, Louise G..... Librarian II, 1960  
 B.S., 1939, University of Minnesota
- Caswell, John E..... Dean of Instruction, 1961; Professor of Social Science, 1961  
 B.A., 1934; M.A., 1937, University of Oregon; Ph.D., 1952, Stanford University
- Chapman, Roger W..... Lecturer in Education (Part time), 1960  
 B.A., 1936; M.A., 1939; Ed.D., 1951, Washington State University
- Christensen, Leonard M..... Lecturer in Education (Part time), 1961  
 A.B., 1935, San Francisco State College; M.A., 1942, University of California;  
 Ed.D., 1948, Stanford University
- Christian, Paul B..... Assistant Professor of Social Science (Part time), 1961  
 A.B., M.A., 1953, University of California
- Clark, Adrian W..... Assistant Professor of Education (Part time), 1961  
 B.A., 1937, Coe College; M.S., 1951, Drake University
- Colton, Robert G..... Assistant Professor of Education (Part time), 1960  
 A.B., 1948, University of California at Los Angeles
- Crowley, Gerard J..... Executive Dean, 1961; Campus Development Officer, 1960  
 Professor of Business, 1960  
 A.B., 1942, Loyola College; Ed.M., 1951, Boston University
- Cunha, Clifford C..... Associate Professor of Music, 1961  
 A.B., 1939, San Jose State College; M.A., 1950, Stanford University
- Downing, Lovelle C..... Assistant Professor of Education (Part time), 1961  
 B.S., 1936, Drake University; M.A., 1944, Ohio State University
- Driggs, Don W..... Assistant Professor of Political Science, 1961  
 B.S., 1950, Brigham Young University; M.A., 1955; Ph.D., 1955, Harvard

- Edmonson, Maude H. .... Assistant Professor of Education (Part time), 1960  
B.A., 1936, University of Redlands; M.A., 1960, Fresno State College
- Elliott, Robert T. .... Lecturer in Education (Part time), 1961  
A.B., 1934, San Jose State College; M.A., 1938; Ed.D., 1958, University of California
- Emmons, Tom H. .... Associate Dean of Students (Admissions and Records), 1960;  
Associate Professor of Education, 1960  
B.A., 1949, University of Denver; M.A., 1953, Bradley University; Ed.D., 1957, University of Denver
- Eshnaur, Mildred M. .... Assistant Professor of Education (Part time), 1960  
B.S., 1941, Emporia State Teachers College; M.A.L.S., 1951, University of Michigan
- Fanucchi, Edward L. .... Instructor of Spanish, 1960  
B.A., 1958, Fresno State College; Certificate, 1959, Università Commerciale "Luigi Bocconi", Milan, Italy
- Farrar, Charles R. .... Assistant Professor of Education, 1960  
B.A., 1949; M.A., 1950, Humboldt State College
- Ferguson, Rudolph C. .... College Counselor, 1961  
Assistant Professor Mathematics, 1960  
A.B., 1927; M.A., 1931, University of the Pacific
- Fowler, Betty A. .... Assistant Professor of Spanish (Part time), 1961  
A.B., 1950, University of the Pacific
- Frantz, Donald H., Jr. .... Associate Professor of English, 1961  
B.A., 1946, M.A., 1947, University of Redlands; Ph.D., 1960, University of Southern California
- Galloway, R. Dean .... College Librarian, 1960  
A.B., 1947, Humboldt State College; M.S., 1950, University of Southern California
- Ghiglieri, Sylvia M. .... Instructor of Music, 1961  
B.M., 1954, Dominican College; M.M., 1960, University of the Pacific
- Golley, Gisele G. .... Instructor of French (Part time), 1961  
Langues Modernes, 1944, Lycia L. E. Carter, Brussels
- Gross, Lenora H. .... Lecturer in Homemaking Education (Part time), 1960  
B.S., 1922, M.S., 1933, Colorado State University
- Hackwell, Glenn A. .... Assistant Professor of Life Sciences, 1961  
B.S., 1957, M.S., 1958, Brigham Young University
- Hanson, James C. .... Assistant Professor of Life Science, 1960  
B.A., 1955; M.A., 1957, University of the Pacific
- Jackson, R. Lamar .... Assistant Professor of English-Speech, 1961  
A.B., 1929, University of California
- Javaher, James N. .... Assistant Professor of Physical Science, 1961  
LL.B., 1946, University of Tehran; B.A., 1950, San Jose State College. M.A. 1952, University of California; B.S., 1954, Stanford University; Sc.D., 1960, University of Paris
- Jensen, James P. .... Assistant Professor of English, 1961  
B.A., 1953, M.A., 1961, University of Washington
- Johnson, Lola V. .... Assistant Professor of English, 1960  
R.N., 1951, San Joaquin General Hospital; B.A., 1956; M.A., 1959, University of the Pacific
- Koepke, Charles A., III .... Assistant Professor of Education (Part time), 1960  
B.S., 1952; M.A., 1954, Memphis State College

- Kohn, Walter ..... Librarian III, 1961  
 B. Law, 1933, University of Frankfurt; M.S.L.S., 1955, University of Southern California
- Koplin, Eldon A. .... Assistant Professor of Education, 1961  
 B.A., 1950, M.E., 1954, University of South Dakota; Ed.D., 1960, Colorado State College
- Loeffler, Paula K. .... Assistant Professor of Physical Science, 1960  
 Ph.D., 1953, University of Vienna
- Maloy, Miriam C. .... Librarian III, 1960  
 A.B., 1930; Librarianship Certificate, 1931, University of California
- Maupin, Alfred J. .... Librarian II, 1961  
 B.A., 1952, University of Chattanooga; M.L.S., 1961, Emory University
- McClarty, Edward L. .... Associate Professor of Speech (Part time), 1960  
 A.B., 1948; M.A., 1951, University of the Pacific; Ed.D., 1956, Stanford University
- McClintock, William .... Associate Professor of Education (Part time), 1960  
 A.B., 1937, Occidental College; M.A., 1948, Ph.D., 1956, Claremont College
- Mould, Eugene H. .... Instructor of Mathematics (Part time), 1960  
 A.B., 1950, University of California
- Norton, Max C. .... Associate Professor of Speech, 1961  
 B.A., 1951; M.A., 1955, University of the Pacific
- Pavloff, Dimitry ..... Assistant in Russian (Part time), 1961  
 1945-1948, St. Joseph's College, Japan
- Reinholtz, Richard B. .... Associate Professor of Art, 1960  
 B.S., 1950, M.Ed., 1954, University of Minnesota
- Rives, Ernest E. .... Business Manager, 1960  
 Sawyer's School of Business, 1940-41; Long Beach Business College, 1946-48
- Rushdooney, Haig A. .... Assistant Professor of Education, 1961  
 A.B., 1949; M.A., 1953, San Francisco State College
- Stenzel, David B. .... Assistant Professor of History, 1961  
 B.S., 1951, Georgetown University; Diploma, 1950, University of Vienna; M.A., 1954; Ph.D., University of California
- Swain, Lorna M. .... Assistant Professor of Education, 1961  
 A.B., 1937, University of California; M.A., 1954, Humboldt State College; Ed.D., 1960, Stanford University
- Wilson, S. LeRoy ..... Assistant to Campus Development Officer, 1961  
 B.A., 1958, Fresno State College
- Wilson, S. Clay ..... Assistant Professor of Education (Part time), 1961  
 A.B., 1949, San Diego State College; M.A., 1950, University of Arizona
- Young, Kenneth G. .... Associate Professor of Business, 1961  
 B.S.C., 1948, Loyola University; M.B.A., 1951, University of California; C.P.A., 1944, University of Illinois; C.P.A., 1948, State of California



## HISTORY OF STANISLAUS STATE COLLEGE

Stanislaus State College is one of the sixteen California State Colleges. These colleges are administered by the Trustees of the California State Colleges, a board created by Chapter 49, Statutes of 1960. This new governing board was created as a result of studies conducted over several years concerning the future of higher education in California.

A separate governing board for the colleges was recommended in the Master Plan for Higher Education in California which was presented to the Legislature in February 1960. The year 1961-62 is a year of transition as it is the first year of operations under this new governing body.

In January, 1953, the Liaison Committee of the California State Board of Education and The Regents of the University of California prepared a report on the need for a state college in the northern San Joaquin Valley. The area considered included Stanislaus, San Joaquin, Merced, Calaveras, Tuolumne, and Mariposa Counties.

Funds for site acquisition for a new state college in Stanislaus County were appropriated by Chapter 1681, Statutes of 1957. On December 9, 1959, the State Public Works Board selected a site of 220 acres approximately one mile north of the City of Turlock to be the permanent home of this college. At the beginning of the academic year 1960-61, Stanislaus State College began operation in rented facilities at the Stanislaus County Fair Grounds in Turlock. It is anticipated that the college will occupy permanent facilities in approximately three years.

The college offers baccalaureate and graduate programs in Business, Teacher Education, English, Foreign Languages, Mathematics and Science, Creative Arts, and Social Science. Rapid expansion of the program is anticipated although it must be necessarily limited to upper division and graduate work until such time as the college occupies facilities on the permanent site.

## PURPOSES OF THE COLLEGE

Stanislaus State College is dedicated to the highest academic standards, developed and maintained in a manner consistent with the policies of its governing board, the Trustees of the California State Colleges.

The faculty of the college has major responsibility for directing the instructional program within the college and gives general leadership to a diversified program of student activities. The college emphasizes the liberal arts as basic to all degree programs.

It is the hope of the college that all students will pursue courses and activities which will bring maximum benefits both in terms of proficiencies and understandings. The atmosphere of the college endeavors to encourage independence of thought, creativity on the part of individual faculty members and students, and cooperation with individuals and groups for the benefit of all members of the college family.

Most important, the college stresses the highest of democratic values and moral and spiritual principles which are essential to sound higher education.

## GENERAL INFORMATION

### ADMISSION AND CLASSIFICATION OF STUDENTS

#### *Eligibility*

During the 1961-63 school years, a minimum requirement for enrollment at the college is completion of 54 semester units of transferable work at an accredited college, with an average grade of "C" or better and to have satisfied the lower division general education requirements.

#### *Matriculation*

All students seeking to enroll for any course work at the college must: (1) submit an application for admission, (2) file transcripts of all previous college work, and (3) submit a health statement. These materials should be submitted to the Associate Dean of Students, Admission and Records, Stanislaus State College, Turlock, California. A "Notice of Acceptance" will be mailed to the student after the appropriate forms are received and evaluated.

Students who pursue a degree or credential program must, in addition to the steps described above, complete personnel tests during the first semester of residence.

#### *Records to Be Furnished*

The college must receive complete records of all schools attended, including high school and college. High school transcripts are not required for graduate admission. A transcript is required from each institution attended, whether or not credit is desired.

The applicant for admission must request all transcripts to be sent directly from previous institutions attended to Stanislaus State College. All official transcripts become the property of the college and cannot be released to the applicant. Transcripts that have been sent to students are not acceptable. The application of a student who is admitted on probation because of lack of transcripts is subject to cancellation, if official transcripts received do not verify the satisfaction of all admission requirements.

#### *Classification of Students*

Students at the college are classified in accordance with the following:

##### *Upper Division*

Junior .....	54 to 89 semester units
Senior .....	90 semester units or more
Graduate .....	Possession of baccalaureate degree
Regular .....	Registered for more than six units
Limited .....	Registered for six or less units

### *Application for Admission*

Students seeking admission to Stanislaus State College should write to the Office of Admissions and request an outline of admission procedures and forms. The final date for filing applications for admission is the first day of registration for the semester. Students whose applications for admission are completed and filed before the final date will be considered for admission. Those who file on the final date may be considered for provisional admission subject to disenrollment because of failure to meet admission standards.

## EVALUATION FOR ADVANCED STANDING

### *Junior Colleges*

Credits earned in accredited junior colleges will be evaluated by the Office of Admissions in accordance with the following provision:

Not more than 70 semester units of credit may be allowed for junior college work. Junior college credit earned after the student has attained upper division standing may be used to satisfy subject requirements, but may not be applied toward the total units required for the bachelor's degree.

### *From Other Institutions*

Credits earned in accredited colleges and universities will be evaluated by the Office of Admissions and advanced standing will be allowed on the basis of evidence submitted. Credit toward the fulfillment of graduation requirements may be allowed only insofar as the courses satisfactorily completed meet the standards and the requirements of the basic course pattern of Stanislaus State College.

Credits earned in non-accredited institutions may be accepted as a basis for advanced standing. They may not be counted toward graduation requirements, however, until completion of 24 semester units with at least a C average at this college.

### *Extension and Correspondence Credit*

A maximum of 24 semester units of extension and correspondence work may be counted toward graduation requirements. Not more than 12 of the 24 semester units may be transferred from other institutions.

### *Credit for Military Training*

Credit is granted for military training in accordance with the American Council on Education Guide to the Evaluation of Educational Experiences in the Armed Services.

### *Admission to Teacher Education*

Admission to the College does not necessarily assure the student admission to the teacher education program. Students should see their major adviser for the criteria for admission to the teacher education program.

## REGISTRATION PROCEDURE

A "Permit to Register" is prepared and mailed to the student by the Registrar's Office for each student who has been accepted for admission. The schedule for registration is published in the "Class Schedule and Instructions for Registration" which is issued prior to the start of the academic year. Students should consult this booklet for detailed registration procedures.

Each student admitted will be assigned an adviser whose name will appear on the "Permit to Register". Questions pertaining to academic programs and requirements should be referred to the adviser.

### *Grading*

Grade points are assigned to the various grades as follows:

- For each unit of Grade A—4 points
- For each unit of Grade B—3 points
- For each unit of Grade C—2 points
- For each unit of Grade D—1 point
- For each unit of Grade I—0 points
- For each unit of Grade F—0 points

### *Maximum Load*

The maximum load for regular students is 18 semester units of work including audited courses. The only exceptions are made with the approval of the student's department head and completion of a petition to carry an excess load. Regular credit will not be given for a course completed in any semester unless the course appears on the student's approved program card for that semester.

### *Auditing*

Persons wishing to audit a course must apply for admission in the regular manner. If accepted, those auditing classes are required to pay the regular fee. Students registered as auditors may not apply for credit in such courses.

### *Concurrent Registration*

A student may not be registered in Stanislaus State College and in another institution simultaneously without prior written permission of the Registrar.

### *Change in Registration*

Any addition or deletion of classes must be processed on the official change-of-program form obtained in the Admission's Office. Such changes may be made only during the dates indicated in the Class Schedule.

### ***Withdrawal From Courses***

If a student officially withdraws from a course during the first five weeks of a semester, a grade of "W" will be recorded. If he withdraws during the sixth to the fourteenth week, either a "WS" or "WU" will be recorded, depending on whether or not he has the approval of the instructor and is doing at least "C" level work at the time of official withdrawal. No withdrawal is permitted after the fourteenth week.

### ***Attendance Regulations***

Punctual and regular attendance is important to a high standard of work.

### ***Late Afternoon and Summer Session Program***

To meet the needs of students from the six-county region, the college has arranged its class schedule so that classes are available from 8:00 a.m. to 10:00 p.m. Monday through Thursday; Friday from 8:00 a.m. to 5:00 p.m., and Saturday from 8:00 a.m. to 1:00 p.m. They carry the usual college credit for degree, credential and resident purposes, and are a definite part of the regular college program.

Three summer sessions are held: a two-week, a six-week, and a four-week session. A wide range of courses are offered to meet the needs of the six county area.

### ***Course Numbering System***

3000-3999	.....	Upper Division Only
4000-4999	.....	Upper Division and Graduate
5000-5999	.....	Graduate Only



## REQUIREMENTS FOR GRADUATION

### General Education

The general education program is a planned sequence of courses outside the student's field of specialization. These experiences are designed to assure that each student who graduates with a baccalaureate degree possesses, in the major fields of human knowledge, the understandings, skills, and appreciations necessary for informed citizenship and continued growth and effectiveness as an educated person.

For graduation with a baccalaureate degree each student must complete a minimum of 45 semester units of general education work satisfying the following pattern and specific requirements:

Social Sciences .....	9 semester units
Natural Sciences .....	9 semester units
Literature, Philosophy, or the Arts .....	6 semester units
Health and Physical Education .....	2 semester units
Oral and Written Expression .....	3 semester units
Psychology .....	2 semester units
Additional units .....	14 semester units
General Education Minimum .....	45 semester units

### GENERAL REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

- |   | <i>Units</i> |
|---|--------------|
| 1. Completion of the General Education requirements, normally accomplished in the lower division .....  | 45           |
| 2. Completion of a major of 24 to 36 units, as listed in the Departmental or Divisional requirements, in one of the following fields:<br>Liberal Arts—Art-Music<br>Liberal Arts—Business<br>Liberal Arts—Foreign Languages<br>Liberal Arts—Humanities<br>Liberal Arts—Science-Mathematics<br>Liberal Arts—Social Sciences<br>Twenty-four of these units must be exclusive of the General Education requirement; 18 to 24 units must be in the upper division, as specified in the Departmental or Divisional requirements ..... | 24-36        |
| 3. Completion of a minor of 12 units, of which 6 must be in the upper division. (May be satisfied by meeting the credential requirement in Education.)  |              |
| 4. Completion of the Liberal Arts requirement: a total of 24 units in Liberal Arts outside the major field, as approved by the major department, of which 12 units must be in the upper division. Units in the Liberal Arts minor may be counted in fulfilling this requirement .....   | 12-24        |
| 5. Electives to complete a minimum of 124 units total. Forty units of the total must be in the upper-division .....   | 7-31         |
| Total Number of Units .....   | 124          |

## DEGREE OF MASTER OF ARTS

The faculty of Stanislaus State College is developing proposed programs for the Master of Arts degree in a number of the academic fields. As these programs are refined, they will be transmitted to the Trustees of the California State Colleges for formal approval.

The Master of Arts degree is customarily approved in the state colleges when there is demonstrated need for the degree, and when the faculty, laboratories, and library resources meet accepted standards. As in the case of other newly-established state colleges, students at Stanislaus State College may carry courses on the graduate level which will be accepted at full credit for the Master of Arts degree when the degree is formally approved by the Trustees. A supplementary bulletin will be published at that time.

## STUDENT PERSONNEL SERVICES

### ACADEMIC

Advice on academic problems may be obtained by contacting the division chairman representing the student's major and minor interests. All faculty members participate in the advising program, so that each student will receive individual counseling.

### VETERANS' EDUCATION

Stanislaus State College maintains liaison with the Veterans Administration and the State Department of Veterans Affairs. The Veterans Counselor at the college assists veterans in conducting their affairs with these agencies.

In order to enroll and obtain benefits under Public Law 550 ("Korean" GI Bill), a veteran must obtain a Certificate for Education and Training (VA Form 7-1993) from the Veterans Administration and present it to the Veterans Office at the time of registration.

Veterans planning to attend the college under benefits available from the State of California (Cal Vet) must obtain the required authorization each semester from the State Department of Veterans Affairs, 700 Capitol Avenue, Sacramento 14, California.

Information on the above educational programs at the college may be obtained by writing to the Veterans Counselor.

### SCHOLARSHIPS AND LOANS

Loan funds have been established through the generosity of organizations, groups, and individuals who have, by this means, demonstrated their interest in the welfare of students of the college. Their assistance is normally limited to students who carry a full-time program and who have attended the college for a minimum of one semester. In granting loans, consideration is given to financial need, scholastic standing, and character. Detailed information may be obtained from the Counseling Office.

### NATIONAL DEFENSE STUDENT LOAN PROGRAM

Stanislaus State College participates in the federal loan program which is provided in Title II of the National Defense Education Act of 1958. Under this program needy students in any field of study may borrow up to \$1,000 a year, for a maximum of \$5,000. Students entering college for the first time as well as continuing students are eligible to apply for this type of loan.

Repayments on these loans are not required to begin until one year after the borrower ceases to be a full-time student. No interest is charged

until the beginning of the repayment schedule, and interest thereafter is to be paid at the rate of 3 percent per year. A borrower who becomes a full-time teacher in a public elementary or secondary school may have up to 50 percent of his loan cancelled.

Needy students with superior academic backgrounds, who are interested in teaching in public elementary or secondary schools, and whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language, should consider the benefits of this program.

Inquiries should be directed to the Chairman, Committee on Scholarships and Loans, Stanislaus State College, P. O. Box 1000, Turlock, California.

### HOUSING

A housing office is maintained at the college for the benefit of students seeking housing.

### STUDENT ACTIVITIES

Student activities at Stanislaus State College reflect the educational philosophy of the institution and are being developed as an integral part of the total program, in keeping with the policies and objectives of the college.

The instructional program is recognized as basic to the realization of the college's objectives. Deemed to be of equal importance, however, is the provision for a comprehensive program of extra-curricular activities necessary to the maximum development of the individual student personality.

Responsibility for coordination of student activities rests with the Associate Dean of Student Affairs who provides counsel and guidance for all student organizations.

The general philosophy of Stanislaus State College embraces the belief that opportunity must be provided for students to share in the formulation of campus policies and procedures. This is accomplished by a strong representative-type student government.

Through the Associated Students of Stanislaus State College, and its elected Executive Board, each student is assured of a voice in campus affairs. Student government derives its powers from the individual student by the democratic processes of free election and open meetings.

The preamble to the Constitution of the Associated Students states, "The highest intellectual, physical, social and moral life is achieved by the orderly pursuit of learning and scholarship." The role of the Associated Students is to provide the opportunity for growth of all students through organized student activities in coordination with the educational program of Stanislaus State College.

Inquiries concerning student activities may be addressed to the President of the Associated Students or to the Associate Dean of Student Activities.

## LIBRARY

The College Library will contain 15,000 books at the beginning of the academic year 1961-62. There will be subscriptions to 450 periodicals with back files on the periodicals that are needed to support the curriculum. A strong collection of California documents is also being developed.

During the year 1961-62, the College Library will add 14,000 volumes to the collection. While the general collection is rather small, the special collections which are needed for the support of the courses are carefully selected.

The Curriculum Laboratory is a part of the College Library and contains over 1,000 courses of study and teacher's guides, and 2,000 sample textbooks.

Plans for a new library to house a collection of 60,000 volumes on the permanent campus are being developed. Completion is expected for September, 1963.

## PLACEMENT

The Placement Office is established for the benefit of students seeking full-time and part-time placement. This office serves three major functions:

1. To provide well-trained teachers for the public schools of California;
2. To assist graduates in obtaining employment which best fit their needs and training;
3. To assist students in finding part-time employment to further their education.

There is no fee for this service. Students seeking the services of this office must have a 2.0 average.

## FEES AND EXPENSES

Auditors pay the same fees as students enrolled for credit.

Fees are established in accordance with State Laws and Regulations and are subject to change as prescribed by law.

### REGISTRATION FEES

Payable at time of registration. No individual can be admitted to class prior to payment of all required fees.

Regular Students (over 6 units):

Materials and Services Fee.....	\$38.00
Associated Students Fee .....	5.00
<hr/>	
Total per semester.....	\$43.00

Limited Students (1 to 6 units, inclusive):

Materials and Services Fee.....	\$19.50
Associated Students Fee .....	1.50
<hr/>	
Total per semester.....	\$21.00

### OTHER FEES AND CHARGES (in addition to Registration Fees)

Non-resident tuition (Maximum \$127.50)—per unit.....	\$8.50
Late Registration Fee .....	5.00
Check returned from bank for any cause .....	2.00
Change of Program after final filing date .....	1.00
Transcript of Record (No charge for first copy) .....	1.00
Failure to meet administratively required appointment or time limit.....	2.00
Music Studio Lessons .....	per lesson \$1.00 to \$6.00
Replacement of equipment lost or damaged .....	Cost of Item
Library books or materials lost or damaged.....	Cost plus \$1.00
Summer Session—per unit .....	11.00
Extension—per unit .....	10.00

### NON-RESIDENT STUDENTS

The non-resident tuition fee is payable by all students who have not been legal residents of the State of California for at least one year immediately preceding the opening day of the school term.

Resident status is determined by college officials at the time of registration and fees must be paid accordingly at that time. All resident determinations are reviewed by an attorney and his determination is final. Full refund of non-resident fees paid will be made if final determination indicates that a student is a legal resident.



## REFUND REGULATIONS

Written application for refund of fees must be made on the forms available from the admissions office. Application must be received in the Admissions Office not later than the 14th calendar day following the first day of the term when instruction begins.

The amount of the materials and services fee paid, less \$2.00 to cover the cost of registration, will be refunded if the application is received as stated above. No refunds can be made if application is received after the deadline.

### STANISLAUS STATE COLLEGE FOUNDATION

The Stanislaus State College Foundation has been organized to provide essential student and faculty services which cannot be provided from State appropriations without undue difficulty. The Foundation was incorporated in September, 1960. The Board of Trustees is composed of members of the College faculty and administration.

The Foundation has over-all policy responsibility for the operation of the college bookstore and food service. In order to obtain participation and a student body voice in the formulation of the policies for the bookstore and food service, student committees have been established to make recommendations to the Foundation Board.

The Foundation administers the several loan and scholarship funds which are available to students.

As the college develops, the Foundation will be able to provide many services to the students. These will include a complete bookstore, cafeteria-type food service, student loans, and scholarships. Also, assistance to faculty members in sponsored research, special internships, and experience programs that cannot be financed with State funds, may be available.

## DIVISION OF CREATIVE ARTS

Art — Music

The Creative Arts Division provides opportunities for the development of an individual's creative potential through study and experience in selected areas of Art and Music, provides appropriate experiences for the student seeking a state teaching credential, and prepares the serious student for studies in music and art beyond the bachelors degree.

### DEGREE PROGRAM

The Division of Creative Arts offers programs leading to the Bachelor of Arts Degree with emphasis in Art and/or Music.

### GENERAL REQUIREMENTS

Students seeking a bachelor's degree in either Art or Music must meet the following requirements:

1. The general graduation requirements of the college.
2. Complete a major of not less than 30 hours of which a minimum of 24 must be in the upper division.
3. Complete the Liberal Arts requirement of the College.
4. Complete a minor of not less than 12 units in courses approved by the major adviser.

### DEPARTMENTAL REQUIREMENTS

#### *Art*

Students majoring in Art should consult the Chairman of the Department concerning the development of programs of study in specific fields of specialization. Art majors in their senior year will present an exhibit of their work which should show significant growth and development in all aspects of the curriculum.

The Department of Art recommends that students complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements:

1. Art Appreciation ..... 1 semester.
2. History of Art..... 2 semesters.
3. Elements of Design and Materials..... 2 semesters.
4. Fundamentals of Photography..... 1 semester.

## Art Majors

The recommended pattern for the degree program with a major in Art and a minor in Music:

<b>JUNIOR YEAR</b>		
<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
Studio Block .....		2
Appreciation Block .....		3
Studio Block Electives .....		2
History & Literature of Music I (Pre-18th Century) .....		3
Courses to complete minor and/or liberal arts requirement .....		5
		15
<b>Second Semester</b>		
Studio Block .....		2
Studio Block Electives .....		2
History & Literature of Music II (18th Century) .....		3
Courses to complete minor and/or liberal arts requirement .....		8
		15
<b>SENIOR YEAR</b>		
<b>First Semester</b>		
Studio Block .....		2
Appreciation Block .....		3
Studio Block Electives .....		2
History & Literature of Music III (19th Century) .....		3
Courses to complete minor and/or liberal arts requirement .....		5
		15
<b>Second Semester</b>		
Studio Block .....		2
Studio Block Elective .....		2
History & Literature of Music (20th Century) .....		3
Courses to complete minor and/or liberal arts requirement .....		8
		15

## Music

Students majoring in Music should consult with the Chairman of the Department concerning the development of programs of study in specific fields of specialization.

Music majors must fulfill the following requirements:

1. Declare a major performing medium (voice, piano, orchestral instrument, etc.), undertake a program to continue development of this medium, and perform in recitals as required by the Department.
2. Participate in at least one activity (choral or instrumental) each semester.
3. Pass a minimum proficiency test in piano, or take piano until this proficiency is met.

The Department of Music recommends that students complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements:

1. Harmony ..... 4 semesters.
2. Piano ..... 4 semesters.
3. Vocal Ensemble or Instrumental Ensemble ..... 2 semesters.

**Music Majors**

The recommended pattern for the degree program with a major in Music and a minor in Art:

**JUNIOR YEAR**

		<b>First Semester</b>	<i>Units</i>
<i>Title</i>			
4571	History & Literature of Music (I) Pre-18th Century.....		3
3578	Piano } .....	}	2
3579	Voice } .....		
3582	Instrument } .....		
3573	Instrumental Ensemble } .....	}	1
3577	Vocal Ensemble } .....		
	Art: Studio Block .....		2
	Courses to complete minor and/or liberal arts requirement.....		7
			15

**Second Semester**

4571	History & Literature of Music (II) 18th Century.....		3
3578	Piano } .....	}	2
3579	Voice } .....		
3582	Instrument } .....		
3573	Instrumental Ensemble } .....	}	1
3577	Vocal Ensemble } .....		
	Art: Studio Block Elective.....		2
	Courses to complete minor and/or liberal arts requirement.....		7
			15

**SENIOR YEAR**

		<b>First Semester</b>	<i>Units</i>
<i>Title</i>			
4571	History and Literature of Music III (19th Century).....		3
3578	Piano } .....	}	2
3579	Voice } .....		
3582	Instrument } .....		
3573	Instrumental Ensemble } .....	}	1
3577	Vocal Ensemble } .....		
	Art: Appreciation Block .....		3
	Courses to complete minor and/or liberal arts requirement.....		6
			15

**Second Semester**

4571	History and Literature of Music IV (20th Century).....	3
3578	Piano	
3579	Voice	
3582	Instrument	
3573	Instrumental Ensemble	
3577	Vocal Ensemble	
	Art: Studio Block Elective.....	2
	Courses to complete minor and/or liberal arts requirements.....	7
		15

**COURSE DESCRIPTIONS**

**ART**

**3551. Art History I (3) F, S**

An interpretational analysis of the art forms from prehistoric times through the Romanesque and Gothic eras.

**3552. Art History II (3) F, S**

An interpretational analysis of the art forms from the Renaissance and subsequent eras to today's contemporary art.

**3553. Art Experience in the Elementary School (2) F, S, SS**

Study of variety of arts and crafts as an integral need in the daily lives of children. Emphasis on the arts and crafts as means toward a more valuable school curriculum.

**3554. Essentials of Visual Expression I (2) F, S, SS**

An introduction to the fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in two dimensional experiences.

**3555. Essentials of Visual Expression II (2) F, S, SS**

An introduction to the fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in three dimensional experiences.

**4560. Individual Studies in Art**

**5560. Individual Graduate Studies in Art**

**STUDIO BLOCK**

**3556. Studio in Painting I (2) F, S, SS**

**4556. Studio in Painting II (2) F, S, SS**

Advanced problems in expressive and communicating esthetically significant statements in the various painting media.

**3557. Studio in Print Making I (2) F, S, SS**

**4557. Studio in Print Making II (2) F, S, SS**

Advanced problems in expressing and communicating esthetically significant statements through the graphic arts; silk screen, block painting.

**3558. Studio in Sculpture I (2) F, S, SS**

**4558. Studio in Sculpture II (2) F, S, SS**

Advanced problems in expressing and communicating esthetically significant statements through various materials, tools, and techniques of sculpture in: wood, wire, clay, plaster, and various community resource materials.

**3559. Studio in Pottery and Ceramics I (2) F, S, SS**

**4559. Studio in Pottery and Ceramics II (2) F, S, SS**

Clay as a creative material modeling, sculpture, the wheel, decorating, glazing, and firing.

**APPRECIATION BLOCK**

**4561. The Arts in Contemporary Society (3) F, S, SS**

Character and function of contemporary art in today's society. Aesthetic factors in design objects for mass production and consumption; critical appreciation and an understanding of recent trends in visual art.

**4563. Folk Art (2) F, S, SS**

An exploration into folk expression with particular reference to the immediate area.

**4550. Contemporary Art (3) F**

An analysis and understanding of modern painting, sculpture and architecture.

**4552. Artistic Expression and Cultural Patterns (3) S, '62**

A comparative approach in which the place of the arts in contemporary American culture is contrasted with their role in several historic culture epochs.

**4565. Paintings for Non-Majors (2) F, S, SS**

Exploration in the various painting media for those enjoying aesthetic creative experiences.

**MUSIC**

**3570. Elements of Music (2) F, S**

Development of music skills. Not open to music majors.

**3571. Music in the Elementary School (2) F, S**

Aims, methods and organization of materials for the music and physical education programs of the elementary school. Prerequisite: Elements of Music.

**3572. Individual Study Project (1-4) F, S**

Areas of emphasis or specialization not covered in regular course offerings. Permission of instructor required.

**3573. Instrumental Ensemble (1) F, S**

Orchestra and other instrumental groups. Open to all qualified students. Required of music students whose performing medium is an orchestral instrument.

**3574. Music in the Secondary School (2) S**

Aims, methods and organization of materials for the music program of the junior and senior high school. Prerequisite: Elements of Music.

**3577. College Chorus (1) F, S**

Open to all students. Required of music students whose performing medium is voice.

**3578. Piano (Intermediate or Advanced) (1 or 2) F, S**

Number of units and placement to be determined in consultation with the music staff. Piano majors must register for 2 units.

**3579. Voice (Intermediate or Advanced) (1 or 2) F, S**

Number of units and placement to be determined in consultation with the music staff. Voice majors must register for 2 units.

**3580. Listening to Music (2) F, S**

Development of skill in analysis and appreciation of musical literature. Not open to music majors.

**3581. Music in Religion (2) F**

A study of music in the churches of the Western World.

**3582. Advanced Orchestral Instruments (1 or 2) F, S**

Instruction on the major orchestral instruments. Open to all qualified students. Music students whose performing medium is an orchestral instrument must register for 2 units.

**3583. Counterpoint I and II (2-2) F, S**

Counterpoint I—The sixteenth century.  
Counterpoint II—The eighteenth century.

**3584. Arranging I and II (2-2) F, S**

Development of skills in arranging music for use by school vocal and instrumental ensembles.

**3585. Conducting I and II (1-1) F, S**

Fundamental score reading and baton technique.

**4571. History and Literature of Music**

I—Pre-Eighteenth Century (3) F

II—Eighteenth Century (3) S

III—Nineteenth Century (3) F

IV—Twentieth Century (3) S

Chronological study of the development of music from antiquity to modern times with special emphasis on musical literature.

**4572. Individual Study Project (1-4) F, S**

Areas of emphasis or specialization not covered in regular course offerings. Registration by permission of staff only.

**4583. Form and Analysis I and II (2-2) F, S**

Development of ability to analyze and work with musical form from the phrase to the symphony. Prerequisite: Two years of Harmony or permission of instructor.

**4584. Orchestration I and II (3-3) F, S**

Study of the technical aspects of orchestral instruments and development of skills in scoring for advanced instrumental ensembles. Prerequisite: Arranging, or permission of staff.

**4585. Conducting III, IV (2-2) F, S**

III—Choral Conducting F

IV—Instrumental Conducting S

**4587. Composition I and II (3-3) F, S**

Original composition in the various forms with opportunity to develop personal musical style. (Permission of staff required.)

**4588. Advanced Harmony I and II (3-3) F, S**

Analysis and application of traditional harmony, including ear training. Prerequisite: Two years of harmony.

### GRADUATE COURSE OFFERINGS

**5571. Music Literature Seminar (3) S '63**

Prerequisites: Two years of Music History and Literature, Form and Analysis, Orchestration.

**5572. Individual Project (2 or 4) F, S**

Permission of staff required.

**5574. Music Education Seminar (2) F '62**

Prerequisites: Music, Rhythm and Games, Secondary School Music, Advanced Conducting.

**5577. Seminar in Graduate Study Techniques, Research and Thesis Writing (1) F '62**

Required of all Masters candidates.

**5583. Music Theory Seminar (3) S '63**

Prerequisites: Two years of Harmony, Counterpoint, Form and Analysis.

**5585. Advanced Choral Conducting (2) F '62**

Permission of staff required.

**5586. Advanced Instrumental Conducting (2) F '62**

Permission of staff required.

**5588. Thesis or Performance Project (4) S '63**

Prerequisites: Advancement to candidacy, permission of staff, appointment of an official thesis committee.



## DIVISION OF BUSINESS

Accounting — Business Management — Marketing

The Division of Business provides a program designed to prepare students for personally and socially useful careers in the field of applied business.

### DEGREE PROGRAM

The Division of Business offers programs leading to the Bachelor of Arts degree in Business with emphasis in:

1. Accounting
2. Business Management
3. Marketing

The Division of Business cooperates with the Division of Education in offering preparation for the Special Secondary and General Secondary Credentials in Business Education.

### GENERAL REQUIREMENTS

For students planning a degree in the Division of Business, the following requirements must be met:

#### *Bachelor of Arts Degree*

For graduation with the Bachelor of Arts degree, a student must:

1. Satisfy the college general education requirements.
2. Complete a minimum of 124 semester units of acceptable college credit, at least 40 semester units of which must be in courses numbered 3000 or above and taken after attaining upper division standing.
3. Complete a Liberal Arts curriculum of not less than 24 approved semester units including 12 units in Economics, English or Mathematics and 6 units of one foreign language.
4. Complete an upper division Business core of not less than 15 semester units consisting of the following 3 unit courses:
  - a. Advanced Business Law
  - b. Principles of Marketing
  - c. Principles of Management
  - d. Principles of Personnel Management
  - e. Intermediate Accounting I (non-accounting students may substitute Managerial Accounting)
5. Complete a Business major of not less than 36 units; this major shall consist of 9 units lower division prerequisite, the upper division core of 15 units, and 12 additional units in one of the areas of concentration:
  1. Accounting
    - a. Cost Accounting I
    - b. Auditing I
    - c. Income Tax Accounting
    - d. Intermediate Accounting II
    - e. Advanced Accounting

2. Business Management
  - a. Business Management Policies
  - b. Business Finance
  - c. Systems and Procedures Analysis
  - d. Social Psychology in Management I
  - e. Intermediate Accounting II  
(Those who did not take Intermediate Accounting I should substitute another course.)
  - f. Cost Accounting I
3. Marketing
  - a. Salesmanship
  - b. Principles of Advertising
  - c. Principles of Retailing
  - d. Sales Management
  - e. Business Finance
  - f. Problems in Marketing Management
4. Complete Managerial Economics and such other courses as the adviser may suggest.
5. Personnel Management

The Division of Business requires that the student complete lower division courses in the following:

1. Principles of Accounting
2. Business Law
3. Principles of Economics
4. Mathematics (through Calculus)
5. Business Correspondence
6. Oral Communications

#### *Minor for Non-Liberal Arts-Business Majors*

A minor in Business shall consist of not less than 12 upper division semester units in courses considered basic to the field of Business. Required courses are the following:

1. Principles of Management
2. Principles of Marketing
3. Principles of Personnel Management
4. Elective (3 units) in Business

#### *Special Secondary Credential in Business Education*

Candidates for the Special Secondary Credential in Business Education must comply with requirements of the California State Department of Education. Credential candidates must work jointly with the Divisions of Education and Business in order to plan a suitable program.

#### *General Secondary Credential in Business Education*

The major requirements in the special field of Business Education are the same as the requirements for the Special Secondary Credential. The holder of a valid Special Secondary Credential in Business Education is considered to have met the requirement for a major in that field for the General Secondary Credential. The General Secondary Credential curriculum is a five-year program. Credential candidates must work jointly with the Divisions of Education and Business in order to plan a suitable program.

The recommended patterns for the Bachelor of Arts degree:

**JUNIOR YEAR—ACCOUNTING**

		<b>First Semester</b>	
<i>Title</i>			<i>Units</i>
4250.	Advanced Business Law .....		3
3231.	Principles of Management .....		3
3240.	Principles of Marketing .....		3
3210.	Intermediate Accounting I .....		3
	Liberal Arts course .....		3
			—
			15

		<b>Second Semester</b>	
<i>Title</i>			<i>Units</i>
3702.	Managerial Economics .....		3
4262.	Principles of Personnel Management .....		3
3211.	Intermediate Accounting II .....		3
	Liberal Arts courses .....		6
			—
			15

**SENIOR YEAR—ACCOUNTING**

		<b>First Semester</b>	
<i>Title</i>			<i>Units</i>
4212.	Cost Accounting I .....		2
4214.	Auditing I .....		2
4210.	Advanced Accounting .....		3
	Liberal Arts course .....		3
	Electives .....		5
			—
			15

		<b>Second Semester</b>	
<i>Title</i>			<i>Units</i>
4216.	Income Tax Accounting .....		2
	Electives .....		13
			—
			15

**JUNIOR YEAR—BUSINESS MANAGEMENT**

		<b>First Semester</b>	
<i>Title</i>			<i>Units</i>
4250.	Advanced Business Law .....		3
3231.	Principles of Management .....		3
3240.	Principles of Marketing .....		3
4211.	Managerial Accounting .....		3
	Liberal Arts course .....		3
			—
			15

		<b>Second Semester</b>	
<i>Title</i>			<i>Units</i>
3702.	Managerial Economics .....		3
4262.	Principles of Personnel Management .....		3
4233.	Business Management Policies .....		2
4230.	Business Finance .....		2
4231.	Systems and Procedures Analysis .....		2
	Liberal Arts course .....		3
			—
			15

### SENIOR YEAR—BUSINESS MANAGEMENT

<b>First Semester</b>		<i>Units</i>
<i>Title</i>		
4234. Social Psychology in Management I .....		2
4212. Cost Accounting I .....		2
4236. Industrial Management .....		3
Liberal Arts course .....		3
Electives .....		5
		15

<b>Second Semester</b>		<i>Units</i>
<i>Title</i>		
Liberal Arts course .....		3
Electives .....		12
		15

### JUNIOR YEAR—MARKETING

<b>First Semester</b>		<i>Units</i>
<i>Title</i>		
4250. Advanced Business Law .....		3
3231. Principles of Management .....		3
3240. Principles of Marketing .....		3
4211. Managerial Accounting .....		3
Liberal Arts course .....		3
		15

<b>Second Semester</b>		<i>Units</i>
<i>Title</i>		
3702. Managerial Economics .....		3
4262. Principles of Personnel Management .....		3
3241. Salesmanship .....		2
3242. Principles of Advertising .....		2
3243. Principles of Retailing .....		2
Liberal Arts course .....		3
		15

### SENIOR YEAR—MARKETING

<b>First Semester</b>		<i>Units</i>
<i>Title</i>		
4242. Sales Management .....		2
4230. Business Finance .....		2
4243. Problems in Market Management .....		2
Liberal Arts course .....		3
Electives .....		6
		15

<b>Second Semester</b>		<i>Units</i>
<i>Title</i>		
Liberal Arts course .....		3
Electives .....		12
		15

### COURSE DESCRIPTIONS

#### **3210. Intermediate Accounting I (3) F**

An advanced review of the fundamental principles and procedures of elementary accounting; provides a foundation for advanced study. Prerequisite: Principles of Accounting.

**3211. Intermediate Accounting II (3) S**

An advanced review of the fundamental principles and procedures of elementary accounting; provides a foundation for advanced study. (Cont'd) Prerequisite: Intermediate Accounting I.

**3231. Principles of Management (3) F**

Planning, organizing, directing, staffing and controlling; applications to production, marketing, finance, and personnel.

**3232. Investments (3) F**

Principles and practices of securities investment; the institutional framework in which security values are determined.

**3240. Principles of Marketing (3) F**

Marketing functions and activities; channels of distribution; integration of marketing activities; price policies; government regulations.

**3241. Salesmanship (2) F, '62**

Methods, procedures, and practices used in the selling function of the marketing process. Prerequisite: Principles of Marketing.

**3242. Principles of Advertising (2) F, '62**

Relationship of advertising to business, types of media, their uses and limitations. Prerequisite: Principles of Marketing.

**3243. Principles of Retailing (2) F, '62**

Buying and handling of merchandise; inventory, turnover and control methods. Prerequisite: Principles of Marketing.

**4210. Advanced Accounting (3) F**

Application of accounting theory in specific areas; provides advanced study for those seeking to enter the profession. Prerequisite: Intermediate Accounting.

**4211. Managerial Accounting (3) S**

A study of accounting procedures to provide management with data to make decisions; types of data required for planning and control; availability of such data in accounting systems; provision of special-purpose data; conditions of good internal reporting.

**4212. Cost Accounting I (2) F**

Study of the theoretical principles and practical techniques of cost accounting. Prerequisite: Intermediate Accounting; Advanced Accounting recommended.

**4213. Cost Accounting II (2) S**

Study of the theoretical principles and practical techniques of cost accounting. (Cont'd) Prerequisite: Cost Accounting I.

**4214. Auditing I (2) F**

Principles and procedures used by accountants and auditors to verify financial records; study of auditing practices typical in merchandising and manufacturing concerns. Prerequisite: Intermediate Accounting.

**4215. Auditing II (2) S**

Principles and procedures used by accountants and auditors to verify financial records; study of auditing practices typical in merchandising and manufacturing concerns. (Cont'd) Prerequisite: Auditing I.

**4216. Income Tax Accounting (2) S**

Application of the principles of federal income taxation to specific situations involving individuals, partnerships, and corporations. Prerequisite: Principles of Accounting.

**4230. Business Finance (2) S**

Use and procurement of funds necessary for the successful conduct of business; sources and instruments of finance, financial organizations and operations. Prerequisite: Principles of Economics.

**4231. Systems and Procedures Analysis (2) S**

Application of scientific management principles to administrative systems; analysis of paperwork flow and forms design communication, feedback, and control techniques. Prerequisite: Principles of Business Management.

**4233. Business Management Policies (2) S**

Management methods, techniques and procedures with emphasis on top management policies.

**4234. Social Psychology in Management I (2) F**

Human factors in management and supervision; incentives attitudes, and other personal relations between employer and employee; effectiveness of various types of leadership.

**4235. Problems in Management (3) S**

Analysis of current business management problems; development of alternative solutions.

**4236. Industrial Management (3) S, '63**

Principles and practices of business management as applied to industrial organization and operation; emphasis upon efficient utilization and control of resources. Prerequisite: Economics 1A-1B.

**4240. Purchasing (3) S, '63**

Buying practices of industrial, institutional and governmental purchasing agents.

**4241. Marketing Research (3) S, '63**

Solution of business problems by formal research techniques; the procedures of research are developed by considering actual business problems.

**4242. Sales Management (2) S, '63**

Consideration of the structure of sales organizations and formulation of sales policies.

**4243. Problems in Marketing Management (2) S, '63**

Analysis of current marketing management problems; development of alternative solutions.

**4250. Advanced Business Law (3) F**

Laws pertinent to property, negotiable instruments, partnerships, and corporations. Prerequisite: a lower division course in Business Law. (Formerly Business 4236).

**4262. Principles of Personnel Management (3) S**

Problems and philosophies in the management of personnel relations; selecting, training, supervising, and rating employees. (Formerly Business 4232).

**GRADUATE COURSE OFFERINGS**

**5230. Behavioral Science Applied to Management (3) S**

Management as viewed from the standpoint of behavioral science. An examination of the forces shaping individual, group, organizational, subcultural, and cultural dynamics, as they effect the management of the business enterprise.

**5231. Theory of Decision (3) F, '62**

Decision-making in business and government. Departures from consistency: stochastic, or conjectural theories of behavior and resulting econometric models. Prerequisite: rudiments of economic theory, calculus, probability and statistics.

## DIVISION OF EDUCATION

### PROGRAM OF TEACHER EDUCATION

The Division of Education offers curricula for the preparation of elementary, junior and senior high school, and junior college teachers. It offers also courses for the preparation of school supervisors, administrators, special education teachers, and specialists in the pupil personnel services.

Emphasis in the Division of Education is on acquiring the practical competencies needed for successful work in public education. Included in this preparation is thorough acquaintance with children and youth, intimate knowledge of the purposes of American education, and demonstrated ability to apply successfully the techniques required by the various positions for which the students are preparing.

\* Professional programs for credentials as outlined in this catalog have been established to assist students in selecting courses at Stanislaus State College. While courses offered by this college are accepted by the Credentials Office in Sacramento to satisfy certification requirements, students must obtain credentials by direct application rather than through institutional recommendation until Stanislaus State College is accredited by the Western College Association and the Committee on Accreditation of the State Board of Education. This procedure follows long-established policy in the development of new state colleges in California.

#### *Credentials*

Stanislaus State College offers courses which lead to the following credentials: kindergarten-primary; general elementary; junior high school; general secondary; junior college; special secondary in art, business education, music, speech arts; courses needed to teach exceptional children, to supervise and administer programs of elementary and secondary education, and courses leading to the pupil personnel credential. In order to qualify for a credential, the candidate must satisfactorily complete requirements for a degree, as well as the courses in education specified for the credential.

#### *Admission to Candidacy for Credentials*

Students are admitted to candidacy for credentials by meeting specific requirements as set forth by the Division of Education. Admission to the college does not automatically insure admission to candidacy for a credential. Students seeking credentials should make application for admission to credential candidacy during the semester in which they enroll

for Education 3310, or Education 3311-3312. Candidates for the general secondary credential generally take these courses in the senior year; all other credential candidates are advised to take these courses during the second semester of the junior year. Candidates for supervision and administration credentials should apply directly to the Credentials Secretary for information concerning requirements for these credentials.

The following standards are applied in passing upon applications for admission to credential candidacy:

For the kindergarten-primary and general elementary credentials, a minimum scholarship of 2.5 in general education; completion of all courses prerequisite to professional education; the passing of college-administered competency tests; and recommendation of the committee which passes on the candidate's personal qualifications and general fitness for teaching. Students seeking the kindergarten-primary credential must, in addition, demonstrate ability to play the piano, or equivalent ability in music having classroom application.

For the junior high, special secondary, and general secondary credentials, a minimum scholarship of 2.5 in general education, the major, the minor (when required), and in professional education; the passing of college-administered competency tests; and the recommendation of an Education Department adviser (who will solicit advice from the major and minor department advisers when applicable). Students should take the competency tests at the beginning of the junior year, in order that any deficiencies may be corrected prior to the time of entrance into the program of teacher education.

Students may not enter into the student teaching programs until all requirements for candidacy to a credential program have been met.

A satisfactory rating on a thorough health examination is required as part of credential screening.

#### *Minimal Requirements for All Credentials*

The following minimal requirements pertain to all credentials:

The satisfactory completion of degree requirements, satisfaction of the state requirements in government and history (when not included as part of the degree program), and audio-visual education; naturalized or native-born citizenship, or declaration of intent to become a citizen of the United States (as provided in Title 5, California Administrative Code); and the satisfaction of minimal scholarship standards, as stated above.

#### *Student-Adviser Relationships*

Students are urged to consult with the Division Chairman at the beginning of their program in order to receive referral to an adviser. Delay in securing approval from an adviser is likely to result in the requirement of additional course work. No adviser is expected to approve a program without participating in its planning.

#### **BACHELOR OF ARTS DEGREE (CREDENTIAL SEQUENCE)**

Students working for the bachelor of arts degree must complete requirements for a major in a subject field, in addition to completing requirements in the Division of Education for the credential. Successful completion of the work in education to meet credential requirements results in a major also. Thus when the bachelor of arts degree is obtained



with a credential, the student has earned two majors, one in a subject field and one in education. For credential candidates, the minor requirements are met also by fulfilling credential requirements.

**Kindergarten-Primary Credential Sequence**

(Same as for General Elementary Credential below)

**General Elementary Credential Sequence \***

This credential authorizes the holder to serve as a teacher in any elementary school and in grades seven and eight in any junior high school.

**General Requirements:**

- Bachelor of arts degree
- Grade point average of 2.5 in general education and in education courses
- Passing of skill tests in the following:

- Arithmetic
- Handwriting
- Social Studies
- Speech
- Written English

Demonstration of competence by courses in the following:

- Art (art media, principles, techniques)
- † Music (elements of music)
- Nature Study (biology)
- Geography
- Physical Education (activities for teachers)
- Art 3553—Art in the Elementary School
- Music 3571—Music, Rhythms and Games
- Children’s Literature

Professional Course Requirements:	<i>Units</i>
Education 3310—Learner and Society .....	6
Education 4320—Curriculum, Materials, and Methods .....	10
Education 4326—Student Teaching .....	8
Total .....	24

**Procedure:**

*In lower division years:*

Fulfill competency requirements by means of course work. (Transfer students may complete deficient course requirements by means of joint registration during the first semester of the junior year.)

*When registered in Education 3310.* (Second semester of junior year.)

- Make formal application for admission to credential candidacy.
- Consult education adviser regarding program.
- Secure clearance from credentials committee.
- Obtain health statement.

**General Junior High Credentials Sequence \***

This credential authorizes the holder to serve as teacher in grades seven, eight, in any elementary school, or in grades seven, eight, and nine in any secondary school.

\* See page 39.

† Piano or equivalent musical skill having classroom application.

**General Requirements:**

Bachelor of arts degree.

Grade point average of 2.5 in general education, in major and minor fields, and in education.

Major and minor sequences may be selected from art, business education, English, foreign language arts, life science, mathematics, music, physical science, social science, speech.

**Professional Course Requirements:**

*Units*

Education 3310—Learner and Society .....	6
Education 4351—Principles of Educational Testing .....	2
Education 4352—Principles of Counseling and Guidance.....	2
Education 5310—Secondary School Curriculum and Materials.....	3
Education 5311—Secondary School Methods.....	3
Education 5326—Student Teaching in the Secondary School (Including Seminar) .....	6
<hr/>	<hr/>
Total.....	22

**Procedure:**

*At beginning of junior year:*

File record of major and minor fields (see adviser)

Obtain health statement

*When registered in Education 3310: (Second semester of junior year).*

Make formal application for admission to credential candidacy.

Pass competency tests.

Consult education adviser.

Plan program.

Secure approval of credentials committee.

Maintain 2.5 grade point average in general program, in major and minor fields, and in education.

**General Secondary Credential Sequence \***

This credential authorizes the holder to serve as a teacher in grades seven through fourteen.

**General Requirements:**

Bachelor of arts degree.

Grade point average of 2.5 in general program, in major, and minor fields, and in education.

Thirty units granted after the bachelor's degree, including six in fields commonly taught in secondary schools, and six in professional courses in education.

Major and minor pursuits may be selected from art, business education, English, foreign languages, language arts, life science, mathematics, music, physical science, social science, speech.

**Professional Course Requirements:**

*Units*

Education 3310—Learner and Society .....	6
Education 4351—Principles of Educational Testing .....	2
Education 4352—Counseling and Guidance.....	2
Education 5310—Secondary School Curriculum and Materials.....	3
Education 5311—Secondary School Methods .....	3
Education 5326—Student Teaching in the Secondary School (Including Seminar) .....	6
<hr/>	<hr/>
Total.....	22

\* See page 39.

**Procedure:**

*At the beginning of junior year:*

- File record of major and minor studies (see advisers)
- Obtain health statement.

*When registered in Education 3310: (Second semester of senior year).*

- Make formal application for admission as a credentials candidate.
- Pass competency tests.
- Consult education adviser.
- Plan program of studies.
- Secure approval of credentials committee.
- Maintain a 2.5 grade point average in general program, major and minor fields, and in education.

**Special Secondary Credential Sequence \***

The holder of a special secondary credential is authorized to teach subjects and classes as designated by the credential.

**General Requirements:**

- Bachelor of arts degree.
- Grade point average of 2.5 in general education, in major and minor fields, and in education courses.

**Professional Course Requirements:**

	<i>Units</i>
Education 3310—Learner and Society.....	6
Education 4351—Principles of Educational Testing .....	2
Education 4352—Principles of Counseling and Guidance .....	2
Education 5310—Secondary School Curriculum and Materials .....	3
Education 5311—Secondary School Methods.....	3
Education 5326—Student Teaching in the Secondary School (Including Seminar) .....	6
Total.....	22

**Procedure:**

*At the beginning of junior year:*

- File record of major studies
- Obtain health statement

*When registered in Education 3310: (not before second semester of junior year).*

- Make formal application for admission as a credential candidate
- Pass competency tests
- Consult adviser
- Plan program of courses
- Secure approval of credentials committee
- Maintain at least a 2.5 grade point average in general college program in major and minor fields and in education.

**Junior College Credential Sequence \***

The holder of this credential is authorized to serve as a teacher in a junior college.

**General Requirements:**

- Master of arts degree in a teaching field with a minimum of 18 units in education.

**Professional Course Requirements:**

Either pre- or post-baccalaureate	<i>Units</i>
Education 3310—Learner and Society.....	6

\* See page 39.

Post-baccalaureate:

Education 5310 Secondary School Curriculum and Materials (Junior College emphasis) .....	3
Education 5311—Secondary School Methods .....	3
Education 5326—Student Teaching (Including Seminar) .....	6
<b>Total</b> .....	<b>18</b>

Procedure:

- Apply for admission to graduate standing
- File application for admission to master's candidacy
- Secure approval of Education Department and subject field advisers
- Consult education adviser
  - For program of courses in education
  - For approval by credentials committee

**Supervision Credential Sequence (30 Units) \***

The holder of a supervision credential is authorized to supervise instruction in the field or on the grade level for which he holds a regular valid basic credential.

General Requirements:

- Basic teaching credential at the grade level or in the field to be supervised.
- Grade point average of 3.0 in courses taken for the supervision credential as required by the Department of Education.
- Five years of successful public school service.

Professional Course Requirements:

	<i>Units</i>
Education 5313—History and Philosophy of Education .....	3
Education 5328—Principles of Curriculum Development .....	3
Education 5370—School Organization and Administration .....	3
Education 5371—Supervision of Instruction .....	3
Education 5391—Field Work .....	3
<b>Total</b> .....	<b>15</b>

Electives: Electives by advisement from fields such as the foundations, special education, guidance and counseling, curriculum, administration, business, creative arts, humanities, language arts, natural science, social science... 15

**Total** .....

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**30**

Procedure:

- Obtain official evaluation of transcripts for the credential
- File application for admission to candidacy for the credential
- Secure an adviser

**Elementary School Administrative Credential Sequence (30 Units) \***

The holder of this credential is authorized to serve as superintendent, deputy superintendent, assistant superintendent, principal, vice-principal, and supervisor of instruction in elementary schools.

General Requirements:

- General Elementary Credential
- Grade point average of 3.0 in required courses
- Two years of successful teaching experience
- Passing of tests as required by the Department of Education

\* See page 39.

Professional Course Requirements:	<i>Units</i>
Education 5313—History and Philosophy of Education .. . . . . .	3
Education 5328—Principles of Curriculum Development .. . . . . .	3
Education 5370—School Organization and Administration .. . . . . .	3
Education 5371—Supervision of Instruction .. . . . . .	3
Education 5372—Advanced School Administration .. . . . . .	3
Education 5391—Field Work .. . . . . .	3
Total .. . . . . .	18

Electives: Electives by advisement from fields such as the foundations, special education, guidance and counseling, curriculum planning and development, supervision of instruction, legal aspects of education, finance and business administration, creative arts, humanities, language arts, natural science, social science.

**Procedure:**

- Obtain official evaluation of transcripts
- File application for admission to credential candidacy
- Secure an adviser

**Secondary School Administrative Credential Sequence (24 Units) \***

The holder of this credential is authorized to serve as superintendent, deputy superintendent, assistant superintendent, principal, vice-principal, and supervisor of instruction in secondary schools.

**General Requirements:**

- General Secondary Credential
- Grade point average of 3.0 in courses required for the administration credential
- Two years of successful teaching experience
- Passing of tests required by the Department of Education

Professional Course Requirements:	<i>Units</i>
Education 5313—History and Philosophy of Education .. . . . . .	3
Education 5328—Principles of Curriculum Development .. . . . . .	3
Education 5370—School Organization and Administration .. . . . . .	3
Education 5371—Supervision of Instruction .. . . . . .	3
Education 5372—Advanced School Administration .. . . . . .	3
Education 5391—Field Work .. . . . . .	3
Electives .. . . . . .	7
Total .. . . . . .	25

Electives by advisement to include courses in education related to the candidate's goal.

**Procedure:**

- Obtain official evaluation of transcripts
- File application for admission to candidacy for credential
- Secure an adviser

**COURSE SEQUENCE FOR HOLDERS OF PROVISIONAL CREDENTIALS \***

Program I, below, is recommended for elementary teachers who have a bachelor's degree and hold provisional credentials. Completion of this pattern of courses will meet requirements for the general elementary credential or the kindergarten-primary credential.

\* See page 39.

General Requirements:

Minimum of two years of successful teaching experience, at least one year at the level at which the credential is sought. (No college credit is awarded for this experience.)

Fulfillment of the statutory requirements that pertain to all credentials.

Passing of skill tests in the following:

- Arithmetic
- Handwriting
- Social Studies
- Speech
- Written English

Course Requirements in Department of Education:	<i>Units</i>
Education 3311—Sociological Foundations of Education .....	3
Education 3312—Psychological Foundations of Education .....	3
Education 4321—Reading in the Elementary School .....	2
Education 4322—Social Studies in the Elementary School .....	2
Education 4323—Language Arts in the Elementary School .....	2
Education 4324—Science in the Elementary School .....	2
Education 4325—TV and AV Education .....	3
Education 4327—Mathematics in the Elementary School .....	2
Total .....	19

Course Requirements in Other Departments:

Art 3553—Art Experiences in the Elementary School .....	2
Music 3571—Music, Rhythm and Games .....	2
Drama 4591—Creative Dramatics .....	2
Total .....	6

Program II is a recommended sequence for teachers who hold a provisional credential and who plan to meet requirements for the bachelor of arts degree along with credential requirements.

General Requirements:

Minimum of two years of successful teaching experience, at least one year at the level at which the credential is sought (no college credit is allowed for this experience).

Fulfillment of the statutory requirements that pertain to all credentials.

Passing of skill tests in the following:

- Arithmetic
- Handwriting
- Social Studies Skills
- Speech
- Written English

Lower division course work in:

- Art (art media, principles, techniques)
- Music (elements of music)
- Geography (regional)
- Physical Education (activities for teachers)

Professional Course Requirements:	<i>Units</i>
Education 3311—Sociological Foundations of Education .....	3
Education 3312—Psychological Foundations of Education .....	3
Art 3553—Art Experiences in the Elementary School .....	2
Music 3571—Music, Rhythm and Games .....	2
Education 4321—Reading in the Elementary School .....	2
Education 4322—Social Studies in the Elementary School .....	2
Education 4323—Language Arts in the Elementary School .....	2
Education 4324—Science in the Elementary School .....	2
Education 4327—Mathematics in the Elementary School .....	2
Drama 4591—Creative Dramatics .....	2
Total .....	22

***For Holders of the Provisional Secondary Credential \****

**General Requirements:**

Bachelor's degree

Meet general requirements for the general secondary credential as previously listed

Major and minor fields as commonly taught in the secondary school, according to code requirements

Conference with adviser to plan program

**Professional Course Requirements:**

Selected by advisement to fulfill code requirements and to meet individual needs

**BACHELOR OF EDUCATION DEGREE CREDENTIAL SEQUENCE \***

Teachers in California who have completed 60 or more units of standard college work may work for the bachelor of education degree.

**General Requirements:**

Admission to the college

Grade point average of 2.5

Verification of at least two years of successful teaching experience

Completion of the total number of required units for the degree

**General Course Requirements:**

General education, minimum .....

Distributed as follows:

Social sciences, including required instruction in United States History, Constitution, and American Ideals. Courses shall be selected from two or more social science fields .....

Natural sciences: At least one course must be selected from a life science and one from a physical science .....

Literature, philosophy or the arts: Fine and practical arts not to exceed 3 of the 6 units .....

Health and physical education .....

Oral and written expression .....

General Psychology .....

Additional units in general education .....

Preparation in subjects to include not less than two units in each of four areas .....

Social sciences

Natural sciences

English and speech

Health, physical education, hygiene, including first aid

\* See page 39.

Major in education .....	24
Elementary school curriculum	
Methods courses in basic subjects	
Educational psychology	
Educational Sociology	
Audio-visual education	
Teaching experience .....	8
This requirement may be met by completing directed teaching courses or by the allowance of unit credit for verified successful classroom teaching at the elementary school level at the rate of 4 semester units for one year of such experience up to the maximum of 8 semester units. (Day-to-day substitute experience does not meet this requirement.)	
Additional units .....	32
Courses to complete 124 units required for the degree shall be those that best serve the cultural and professional needs of the applicant	
Demonstration of competence by passing skill tests in the following:.....	0
Arithmetic	
Handwriting	
Social Studies	
Speech	
Written English	
 Total .....	 124

Completion of the bachelor of education degree requirements with the emphasis indicated above results in eligibility for the regular general elementary teaching credential.

## COURSE DESCRIPTIONS

### EDUCATION

**3310. Learner and Society (6) F, S**

Study of the sociological and psychological foundations of education. Required of all credential candidates.

**3311. Sociological Foundations of Education (3) F, S, SS**

Study of the sociological principals applied in education.

**3312. Psychological Foundations of Education (3) F, S, SS**

Study of the psychological principles applied in education.

**4320. Elementary School Curriculum, Materials, and Methods (10) F, S**

A detailed study of the entire instructional program, including all statutory subjects and requirements. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4321. Reading in the Elementary School (2) F, S, SS**

Study of the purposes, methods, and materials applicable in teaching reading. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4322. Social Studies in the Elementary School (2) F, S, SS**

Study of the purposes, methods, and materials applicable in teaching social studies. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.



**4323. Language Arts in the Elementary School (2) F, S, SS**

Study of the purposes, methods, and materials applicable in teaching the language arts. (Exclusive of reading) Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4324. Science in the Elementary School (2) F, S, SS**

Study of the purposes, methods, and materials applicable in teaching science. Prerequisite: Education 3310, 3311 and 3312, and admission to credential candidacy.

**4325. Television and Audio-visual Education (3) F, SS**

Study of the audio-visual techniques and practices used to reinforce and enhance classroom instruction. Prerequisite: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4326. Student Teaching in the Elementary School (8) F, S**

An introduction to classroom teaching, including full time instruction. (nine weeks) Taken concurrently with Education 4320, or by special assignment. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4327. Mathematics in the Elementary School (2) F, S, SS**

Study of the purposes, methods, and materials applicable in teaching arithmetic and mathematics. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4351. Principles of Educational Testing (2) F, SS**

Study and analysis of evaluative instruments and procedures used in elementary and secondary education. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4352. Principles of Counseling and Guidance (2) S, SS**

Acquaintance with the counseling and guidance function and study of effective techniques. Prerequisite: Education 4351.

**4392 and 5392. Individual Study (2-4) F, S, SS**

For students in need of advanced or specialized courses not currently offered. Registration approved by section chairman. Prerequisites: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4394. Education of the Exceptional Child (3) F, S, SS**

Study of the legislation, the role of various agencies and institutions, the facilities and services needed to educate exceptional children and youth (Exclusive of the gifted). Prerequisite: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**4395. Education of Children With Special Abilities (Gifted) (2) S, SS**

The identification of talented and gifted pupils; program adjustments to develop unusual talents and abilities. Prerequisite: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**5310. Secondary School Curriculum and Materials (3) F, S, SS**

Study and analysis of the secondary school curriculum, including instructional materials. Prerequisite: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**5311. Secondary School Methods (3) F, S, SS**

Study and appraisal of methods applicable in secondary education. Prerequisite: Education 3310, or 3311 and 3312, and admission to credential candidacy.

**5313. History and Philosophy of Education (3) S**

Study of the historical background and underlying philosophies on which American education is based. Prerequisite: Education 4326, 5326, or teaching experience.

**5326. Student Teaching in the Secondary School (6) F, S**

Cooperative district and college direction of student teaching in major and minor fields. Prerequisites: Education 5510, 5311.

**5328. Principles of Curriculum Development (3) F**

Study of the procedures and techniques applied in curriculum planning and development. Prerequisite: Admission to candidacy for the administration or supervision credential.

**5362. Seminar—Improvement of Classroom Instruction (2) F, S**

Study of effective classroom practices and the techniques involved in guiding student teachers. Open only to experienced teachers with regular credentials.

**5370. School Organization and Administration (3) F, SS**

An introduction to school administration. Prerequisite: Admission to candidacy for the administration or supervision credential.

**5371. Supervision of Instruction (3) S**

Study of the techniques and practices used to improve instruction. Prerequisite: Education 5328.

**5372. Advanced School Administration (3) S**

An intensive study of selected aspects of rural and urban school administration.† Prerequisite: Education 5370.

**5390. Research in Education (2-4) F, S, SS**

Credit given only on successful completion of work approved by the research committee.

**5391. Field Work (3)**

Actual work experience in the field for which the student is seeking a credential. Approval of division chairman is required.

**5393. Seminar—School Supervision and Administration (2) F, S**

Case study analysis emphasizing practical solutions to problems in school administration and supervision. Open to experienced school administrators and supervisors. Required of students registered in Education 5391.

† Legal Aspects and Financing Public Education are offered during the summer.

## DIVISION OF HUMANITIES

Literature — Composition-Usage — Speech-Drama  
Journalism — Foreign Language

The Division of Humanities offers a curriculum designed for the following: 1) to prepare students for the professional and research fields relating to the humanities; 2) to provide general education and liberal arts courses for non-majors; and 3) to provide a cultural foundation for all students.

### DEGREE PROGRAM

The Division of Humanities offers programs leading to the Bachelor of Arts degree with emphasis in the following:

1. Literature
2. Composition-Usage
3. Speech-Drama
4. Journalism
5. Foreign Languages

### GENERAL REQUIREMENTS

For students planning a degree in the Division of Humanities, except in Foreign Language, the requirements listed below must be met. Requirements for a degree in Foreign Language are listed on page 60.

#### *Bachelor of Arts Degree*

For graduation with the Bachelor of Arts degree, a student must:

1. Satisfy the college general education requirements.
2. Complete a minimum of 124 semester units of acceptable college credit, at least 40 semester units of which must be in courses numbered 3000 or above and taken after attaining upper division standing.
3. Complete a Liberal Arts curriculum of not less than 24 approved semester units.
4. Complete a minor of such courses as the adviser may suggest of not less than 12 semester units. (Teacher Education candidates normally will satisfy this requirement through course work taken for school service credentials.)
5. Complete an upper-division Humanities core of not less than 18 units consisting of the following courses:
  - a. Advanced English Composition-Usage
  - b. Phonetics
  - c. Interpersonal Communications
  - d. American Literature I, English Literature I, or Speech Improvement Methods
  - e. American Literature II, English Literature II, or History of the Theater
  - f. History of the English Language or Radio and Television Programming and Production

6. Complete a Humanities major of 24 to 30 units; this major shall consist of the upper division core of 18 units and 12 additional units in one of the areas of concentration:

Literature

- a. Shakespeare I
- b. Shakespeare II
- c. Contemporary American Novel
- d. The Short Story
- e. The American Drama
- f. English Drama to 1700
- g. English Drama from 1700
- h. Advanced Shakespeare
- i. World Literature I
- j. World Literature II

Composition—Usage

- a. Creative Writing—The Short Story
- b. Creative Writing—The Novelette
- c. Creative Writing—The Play
- d. Shakespeare I
- e. Shakespeare II
- f. Problems in English Usage and Composition (Individual Study)

Speech-Drama

- a. Oral Interpretation—Theater
- b. The American Drama
- c. English Drama to 1700
- d. English Drama from 1700
- e. Public Address
- f. Business and Professional Speaking
- g. Speech and Language Development
- h. Argumentation, Persuasion, and Debate
- i. Individual Study and Research

Journalism

- a. Journalism
- b. Newswriting
- c. Copy Editing
- d. History of Journalism
- e. Courses in Economics, Political Science, Business, and History

The Division of Humanities requires that the student complete the following lower division courses:

1. Fundamentals of Speech
2. Composition
3. World Literature
4. Fundamentals of Journalism (for journalism majors)

*Minor for Non-Humanities*

A minor in Humanities shall consist of not less than 12 semester units in courses considered basic to the field of Humanities in an area of concentration:

Literature

- a. Advanced English Composition—Usage
- b. American or English Literature I
- c. American or English Literature II
- d. Shakespeare I

- Composition—Usage
  - a. Advanced English Composition—Usage
  - b. Creative Writing—Short Story
  - c. Phonetics
  - d. Problems in English Usage and Composition (Individual Study)
- Speech-Drama
  - a. Phonetics
  - b. Speech Improvement Methods
  - c. Interpersonal Communications
  - d. History of the Theater
  - e. Radio and Television Programming and Production
- Journalism
  - a. Journalism
  - b. Newswriting
  - c. History of Journalism
  - d. Economics

The recommended patterns for the Bachelor of Arts degree:

**Literature**

**JUNIOR YEAR**

**First Semester**

<i>Title</i>	<i>Units</i>
3510 Advanced English Composition—Usage .....	3
Either	
3520 American Literature I .....	3
or	
3500 English Literature I .....	3
4521 The Short Story .....	3
History course .....	3
Electives .....	3
	15

**Second Semester**

Either	
3521 American Literature II .....	3
or	
3501 English Literature II .....	3
History course .....	3
4522 The American Drama .....	3
Electives .....	6
	15

**SENIOR YEAR—LITERATURE**

**First Semester**

<i>Title</i>	<i>Units</i>
4551 The Arts in Contemporary Society .....	3
Foreign Language .....	3
History course .....	3
4500 Shakespeare I .....	3
Electives .....	3
	15

**Second Semester**

4525	History of the English Language .....	3
4571	History and Literature of Music .....	3
	History course .....	3
	Foreign Language .....	3
4501	Shakespeare II .....	3
		<hr/>
		15

**Composition-Usage****JUNIOR YEAR****First Semester**

	<i>Title</i>	<i>Units</i>
3510	Advanced English Composition-Usage .....	3
	Either	
3520	American Literature I .....	3
	or	
3500	English Literature I .....	3
	History course .....	3
4590	Creative Writing .....	3
	Electives .....	3
		<hr/>
		15

**Second Semester**

	Either	
3521	American Literature II .....	3
	or	
3501	English Literature II .....	3
	History course .....	3
4590	Creative Writing (Novelette) .....	3
	Electives .....	6
		<hr/>
		15

**SENIOR YEAR—COMPOSITION-USAGE****First Semester**

	<i>Title</i>	<i>Units</i>
4500	Shakespeare I .....	3
4590	Creative Writing (Playwriting) .....	3
4571	History and Literature of Music .....	3
4521	The Short Story .....	3
	Electives .....	3
		<hr/>
		15

**Second Semester**

4501	Shakespeare II .....	3
4590	Creative Writing (Playwriting) .....	3
4599	Problems in English Usage .....	3
4551	The Arts in Contemporary Society .....	3
4525	History of English Language .....	3
		<hr/>
		15

## Journalism

### JUNIOR YEAR

#### First Semester

<i>Title</i>	<i>Units</i>
3510 Advanced English Composition-Usage .....	3
Either	
3520 American Literature I .....	3
or	
3500 English Literature I .....	3
4591 Journalism .....	3
4594 Newswriting .....	3
Electives .....	3
	<hr/>
	15

#### Second Semester

Either	
3521 American Literature II .....	3
or	
3501 English Literature II .....	3
4595 Copy editing .....	3
History course .....	3
Electives .....	6
	<hr/>
	15

### SENIOR YEAR—JOURNALISM

#### First Semester

<i>Title</i>	<i>Units</i>
4596 History of journalism .....	3
Economics course .....	3
Political Science course .....	3
Electives .....	6
	<hr/>
	15

#### Second Semester

4525 History of the English Language .....	3
Business course .....	3
History course .....	3
Electives .....	6
	<hr/>
	15

## Speech-Drama

### JUNIOR YEAR

#### First Semester

<i>Title</i>	<i>Units</i>
3590 Phonetics .....	3
3591 Interpersonal Communication .....	3
3594 Programming and Production of Radio and Television I .....	3
Minor .....	3
Electives .....	3
	<hr/>
	15

**Second Semester**

3595	Programming and Production of Radio and Television II	3
4591	Speech Improvement Methods	3
4592	Argumentation, Persuasion and Debate	3
	Liberal Arts	3
	Electives	3

15

**SENIOR YEAR—SPEECH-DRAMA**

**First Semester**

	<i>Title</i>	<i>Units</i>
4590	Speech and Language Development	3
	Liberal Arts	6
	Minor	3
	Electives	3

15

**Second Semester**

4593	History of the Theater	3
	Liberal Arts	3
	Minor	6
	Electives	3

15

**COURSE DESCRIPTIONS**

**3500. English Literature I (3) F**

A survey of English literature to 1800. Contributory history and philosophical background are also considered.

**3501. English Literature II (3) S**

A survey of English literature from 1800. Contributory history and philosophical background are also considered.

**3502. English Romanticism (3) SS, S**

A study of the literature of the late eighteenth and early nineteenth century.

**3510. Advanced English Composition-Usage (3) F, S**

A study of the elements of English grammar combined with a study of expository methods.

**3520. American Literature I (3) F**

A survey of American literature to 1860. Contributory history and philosophical background are also considered.

**3521. American Literature II (3) S**

A survey of American literature from 1860. Contributory history and philosophical background are considered.

**3522. The English Novel I (2) F**

A survey of the major English novels and the background which contributed to their creation.

**3523. The English Novel II (2) S**

A survey of the English novels and the background which contributed to their creation.

**3524. The American Novel (3) F**

A survey of the major American novels and the background which contributed to their creation.



**4500. Shakespeare I (3) F**

Study and analysis of the background of the Elizabethan period and theater, the life of Shakespeare, and the early comedy and history plays of Shakespeare.

**4501. Shakespeare II (3) S**

Study and analysis of the tragedies and later plays of Shakespeare with emphasis on the tragedies.

**4502. English Drama to the 17th Century (3) F**

A study of the development of the English theater from its beginning in the church to the closing of the theaters in 1642.

**4503. English Drama from the 17th Century (3) S**

A study of the development of the English theater from the Restoration to the present day.

**4520. Contemporary American Novel (3) F, S**

A study of the American novel from 1945 to the present.

**4521. The Short Story (3) S**

A study of the historical development of the short story as a literary form.

**4522. The American Drama (3) F**

A study of the development of dramatic writing, acting, and production in America from the 17th century to the present.

**4523. Advanced Shakespeare (4) S, SS**

Prerequisite: 6 units of Shakespeare. A detailed study of Shakespearean plays and scholarship.

**4525. History of the English Language (2) S**

A study of the English language from its earliest origins to its present form.

**4560. World Literature I (3) F**

First half of a study of a selection of major works from the literature of the world.

**4561. World Literature II (3) S**

Second half of a study of a selection of major works from the literature of the world.

**4590. Creative Writing (3) F, S, SS**

A study of the short story as a means of student expression.

**4591. Journalism (3) F, S**

A study of all types of journalistic writings; a study of different types of newspapers.

**4592. TV and Audio-visual Education (3) F, S**

Study of the audio-visual techniques and practices used to reinforce and enhance classroom instruction.

**4593. Directed Senior Readings (3) F, S**

A study of selected literature with the intention of improving the ability of the student in analysis, writing, speaking, and discussion. Meets the liberal arts requirement for communication.

**4594. Newswriting (3) F**

A study of the type of writing used in various kinds of news stories.

**4595. Copy Editing (3) S**

A study of the procedures of copy editing on newspapers. Prerequisite: 4594 News Writing or the equivalent.

**4596. History of Journalism (3) S '62**

A study of the development of journalism from its earliest forms.

**4599. Individual Study (2-4) F, S, SS**

For students in need of advanced or specialized courses not currently offered. Approval of the instructor is required for registration.

**5500. History of English Literature (3) F**

A general study of the history of English literature in chronological order. Required of all candidates for the Master of Arts in English.

**5501. Seminar: Anglo-Saxon and Medieval Literature (2) F**

A concentrated study of the literature of the Anglo-Saxon period and of the Middle English period. (Part of graduate cycle)

**5502. Seminar: The Renaissance (2) F**

A concentrated study of English Renaissance literature. (Part of graduate cycle)

**5503. Seminar: The Age of Milton (2) S**

A concentrated study of the writers of the Puritan Commonwealth. (Part of graduate cycle)

**5520. Seminar: Literature of the American Westward Movement (2) F**

A concentrated study of the literature written in America by American authors to show the conditions of life on the frontier.

**5521. Seminar: The American Renaissance (2) S**

A concentrated study of the literature of the early nineteenth century.

**5522. Seminar: The American Novel (2) SS**

A concentrated study of the movements which produced the American novel.

**5590. Methods and Materials of Research (2) F**

A study of the methods of graduate research and the materials available for such research. Required for preparation for the master's thesis in the field of English.

**5599. Individual Graduate Study (2-4) F, S, SS**

For students in need of advanced or specialized courses not currently offered. Approval of the instructor is required for registration.

**SPEECH AND DRAMA**

**3590. Phonetics (3) F, S, SS**

Analysis of the English sounds with emphasis on synthesis in connected discourse. Practice and drill with the International Phonetic Alphabet in ascertaining deviations in the production and articulation of speech sounds.

**3591. Interpersonal Communication (3) F, S, SS**

A synthesis of communication methodologies applied to problems of person to person and group situations.

**3592. Interpretation Theater I (3) F, S**

Cutting, arranging and interpreting poetry, prose, and plays for theater presentation.

**3593. Interpretation Theater II (3) F, S**

Cutting, arranging and interpreting poetry, prose, and plays for theater presentation.

**3594. Programming and Production of Radio and Television I (3) F, S**

Laboratory work in script writing, programming, recording and broadcasting in radio. Theory of television programming.

**3595. Programming and Production of Radio and Television II (3) F, S**

Laboratory work in script writing, programming, recording and broadcasting in radio. Theory of television programming.

**3596. Public Address I (3) F, S**

Theory and practice in Extemporaneous Speaking before public groups.

**3597. Public Address II (3) F, S**

Theory and practice in Extemporaneous Speaking before public groups.

**4590. Speech and Language Development (3) F, S, '62**

The bases of speech and language development considered from the physiological, neurological and psychological standpoint.

**4591. Speech Improvement Methods (3) F, S, SS**

Survey course of speech disorders; methods for use with functional articulatory defects and proper referrals of organic disorders.

**4592. Argumentation, Persuasion and Debate (2) F, S, '62**

A study of the principles of persuasive discourse with emphasis on speaker-listener relationship.

**4593. History of the Theater (3) S, F**

Origin and development of the theater from the period play through modern theater movements.

**4594. Business and Professional Speaking (2) S**

Evaluation of discussion, role playing and public speaking techniques in solving problems of managers, supervisors and salesmen in the operation of the enterprise.

**5590. Seminar in General Semantics and Related Methodologies**

(3) F, S, SS, '62

An evaluation of the formulations underlying communication methodologies from general semantics and related fields. Prerequisite: Interpersonal Communication.

**5591. Seminar in Speech Pathology (2) S, SS**

Clinical and organismic approach to speech correction. Diagnostic and therapeutic considerations of delayed speech; voice problems and articulation defects. Prerequisite: Speech Improvement Methods or Speech and Language development or equivalent.

**5592. Voice Science (2) S, SS**

Neurological, Acoustical and Physiological Study of voice production.

**5593. Methods of Research in Speech (3) S, F, SS, '62**

The purpose and methods of research in speech.

**5599. Individual Study (1-6) F, S, SS**

## Department of Foreign Languages

French — German — Russian — Spanish

The Department of Foreign Languages offers programs leading to the degree of Bachelor of Arts with emphasis in French, German, Russian, Spanish.

### GENERAL REQUIREMENTS

Candidates for the Degree of Bachelor of Arts in German, French, Russian, and Spanish must have

1. Satisfied the College General Education Requirements.
2. Completed a minimum of 124 semester units of acceptable college credit, at least 40 of which must be in courses numbered 3000 or above and taken after attaining upper division standing.
3. Completed at least 30 semester units, selected with the approval of their adviser from courses offered in the language of their choice. At least 18 of those must be in courses numbered 3000 or above and taken after upper division standing.
4. Complete a Liberal Arts curriculum of not less than 24 approved semester units.
5. Complete a minor of such courses as the adviser may suggest of not less than 12 semester units.

Students registering for the first time in a foreign language course at Stanislaus State College must have the permission of the instructor prior to being admitted to an upper division class.

The recommended pattern for the degree program:

### SUGGESTED PROGRAM: FRENCH

<b>JUNIOR YEAR</b>		
<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
3530	French .....	3
3531	French .....	3
	Minor .....	3
	Liberal Arts .....	6
		15
<b>Second Semester</b>		
3532	French .....	3
	Minor .....	3
	Liberal Arts and/or Electives .....	9
		15

**SENIOR YEAR**

**First Semester**

4530	French Novel .....	3
4532	French .....	3
	Minor .....	6
	Liberal Arts .....	3
		<hr/>
		15

**Second Semester**

4531	French Novel .....	3
4532	Advanced French Phonetics and Diction .....	3
	Minor .....	3
	Electives .....	6
		<hr/>
		15

**SUGGESTED PROGRAM: GERMAN**

**JUNIOR YEAR**

**First Semester**

	<i>Title</i>	<i>Units</i>
3535	German .....	3
	Minor .....	3
	Liberal Arts .....	6
	Electives .....	3
		<hr/>
		15

**Second Semester**

3536	German .....	3
3537	German .....	3
	Electives .....	9
		<hr/>
		15

**SENIOR YEAR**

**First Semester**

4535	German .....	3
4536	German .....	3
	Liberal Arts .....	6
	Minor .....	3
		<hr/>
		15

**Second Semester**

4537	German .....	3
4538	German .....	3
	Minor .....	6
	Electives .....	3
		<hr/>
		15

**SUGGESTED PROGRAM: SPANISH**

**JUNIOR YEAR**

**First Semester**

	<i>Title</i>	<i>Units</i>
3540	Spanish .....	3
3542	Spanish .....	3
	Minor .....	3
	Liberal Arts .....	6
		<hr/>
		15

		<b>Second Semester</b>	
3541	Spanish	.....	3
	Minor	.....	3
	Liberal Arts	.....	3
	Electives	.....	6
			15

**SENIOR YEAR**

		<b>First Semester</b>	
4540	Spanish	.....	3
4542	Spanish	.....	3
	Minor	.....	6
	Liberal Arts	.....	3
			15

		<b>Second Semester</b>	
4541	Spanish	.....	3
4543	Spanish	.....	3
5538	German	.....	2
	Minor	.....	3
	Electives	.....	4
			15

**SUGGESTED PROGRAM: RUSSIAN**

**JUNIOR YEAR**

		<b>First Semester</b>	<i>Units</i>
	<i>Title</i>		
3545	Russian	.....	3
3548	Russian	.....	3
	Minor	.....	3
	Liberal Arts	.....	6
			15

		<b>Second Semester</b>	
3546	Russian	.....	3
3547	Russian	.....	3
	Minor	.....	3
	Liberal Arts	.....	3
	Electives	.....	3
			15

**SENIOR YEAR**

		<b>First Semester</b>	
4545	Russian	.....	3
4546	Russian	.....	3
	Minor	.....	6
	Electives	.....	3
			15

		<b>Second Semester</b>	
4547	Russian	.....	3
5538	German	.....	3
	Liberal Arts	.....	3
	Electives	.....	6
			15

## COURSE DESCRIPTIONS

**3530. French (3) F**

A rapid review of grammar.

**3531. French (3) S**

Continuation of French 3530.

**3532. French (3) F**

To be taken concurrently with French 3530 by students majoring in French. Readings and oral discussions in French. This course may be taken *after* French 3530 and 3531 by students with a French minor.

**4530. French (3) F**

Modern French novels from Victor Hugo to the present day.

**4531. French (3) S**

Continuation of French 4530.

**4532. French (3) F**

To be taken concurrently with French 4530 by students majoring in French. Required of all seniors majoring in French.

**4533. French (3) S**

Advanced phonetics and diction. Correct formation of French sounds in isolation and combination. Lectures in French. This course offered to students with major or minor in French.

**5530. French (3) F, S**

Individual study. Prerequisite, consent of instructor.

**3535. German (3) F**

Third year German. Modern literature, writing and conversation.

**3536. German (3) S**

Continuation of German 3535.

**3537. German (3) F**

Practice in listening and speaking. Discussion and oral presentation of assigned topics. Prerequisite, German 3535.

**3538. German (3) S**

Science reading. This course not open to students seeking a degree in German. Prerequisite: German 3535.

**4535. German (3) F**

Reading in current periodicals, short story writing. Prerequisite: German 3536.

**4536. German. Master Works of German Literature (3) F**

Reading and interpretation of outstanding prose and lyric from 1890-1918. Prerequisite: German 3536.

**4537. German. Masterworks of German Literature (3) S**

Reading and interpretation of outstanding prose and lyric from 1918 to present. Prerequisite: German 3536.

**5535. German (2) F**

Deutsche Literature--Und Kulturgeschichte. Von den Anfaengen bis zu Goethe's Tod.

**5536. German (2) S**

Deutsche Literatur und Kulturgeschichte. Von der Romantik bis zur Gegenwart.

**5537. German (2) F**

Advanced composition and grammar. Prerequisite: qualifying examination.

**5538. German (2) S**

Introduction to the Study of Language and Applied Linguistics. (This course required for all candidates for Secondary School Teaching in French, German, Spanish, or Russian).

**3540. Spanish. Intermediate Spanish (3) F**

Conversation and composition. Prerequisites: Satisfactory completion of 12 lower division units.

**3541. Spanish. Intermediate Spanish (3) S**

Continuation of Spanish 3540.

**3542. Spanish (4) S**

Pronunciation and Advanced Spanish Grammar. Prerequisites: 2 years Spanish.

**3543. Spanish (2) S**

Current events in the Spanish speaking world. Prerequisite: 2 years Spanish. (Conducted in Spanish).

**3544. Spanish (2) F**

Continuation of Spanish 3543.

**3545. Spanish (4) F**

Survey of Literature, early period through Golden Age. Lectures in Spanish and English. Prerequisite: 2 years Spanish.

**3546. Spanish (4) S**

Continuation of Spanish 3545.

**3547. Spanish (4) S**

Survey of Literature, 1750-present. Lectures in Spanish and English. Prerequisite: 3546.

**3548. Spanish (4) F**

Continuation of Spanish 3547.

**4540. Spanish (3) F**

Spanish Drama of the 20th Century. Lectures. Prerequisites: 3545 and 3546.

**4541. Spanish (4) F**

Literature and History of the Golden Age. Lectures. Prerequisites: 3545 and 3546.

**4542. Spanish (3) S**

Spanish-American Literature. Representative writers of Mexico. Prerequisite: Three years Spanish.

**4543. Spanish (2) S**

Spanish Language Seminar. Conducted in Spanish. Prerequisite: permission of instructor.

**4544. Spanish (2) F**

The language laboratory and teacher training in the foreign languages. Methodology. Prerequisite: permission of instructor.

**4545. Spanish (2-4) Individual Study F, S**

Thesis required.

**5540. Spanish (4) F, S**

Evolution of National Spanish Character.



**3545 Russian (3) F**

Advanced Russian. Interpretation of material.

**3546. Russian (3) S**

Specialized Russian Reading. Prerequisite: Consent of instructor. Rapid reading of texts in the natural and social sciences.

**3548. Russian (3) F**

Advanced Russian Conversation. Open only to students taking Russian 3545.

**4545. Russian (3) F**

Advanced Russian Conversation. Prerequisite: Russian 3546.

**4546. Russian (3) F**

Advanced Russian Composition. Prerequisite: Russian 3547.

**4547. Russian (3) S, SS**

Russian Literature.

**4548. Russian (3) S, SS**

Russian Novelists of the Nineteenth Century and Western European Literatures.

**5545. Russian (2) F**

Seminar in Russian Literature.

**5546. Russian (2) S**

Continuation of Russian 5545.

**5547. Russian (2) F**

Seminar in Russian Poetry and Fiction 1800-1880. The subject matter of the course will vary according to the needs and interests of students enrolled.

**5548. Russian (3) S**

Continuation of Russian 5547.

**5549. Russian (2) S**

Russian Prose. Lecture course given in Russian.

**5550. Russian (2) F**

Scientific Russian for Graduate Students.

## DIVISION OF SCIENCE AND MATHEMATICS

### AREAS OF EMPHASIS

Biology — Mathematics — Physical Sciences — Zoology

The division provides:

- (1) General Education Courses for students majoring in other departments
- (2) Courses as a basis for professional or technical work in other related areas
- (3) Programs of study for students intending to seek higher academic degrees and a career in the Natural Sciences.

### GENERAL REQUIREMENTS

For students planning a degree in the Department of Life Sciences, the following requirements must be met:

#### *Bachelor of Arts Degree*

1. Satisfy the college general education requirements as described previously.
2. Complete a minimum of 124 semester units of acceptable college credit, at least 40 semester units of which must be in courses numbered 3000 or above and taken after attaining upper-division standing.
3. Complete a major within the Division of Life Sciences (areas of emphasis: Biology and Zoology) of not less than 24 semester units at the upper-division level. (Courses to be approved by the Department)
4. Complete a minor of not less than 12 semester units, of which 6 must be in upper-division courses. (Subject to approval by the department)
5. Complete a liberal-arts sequence of at least 24 units, of which 12 must be upper division. This is to insure a greater depth of knowledge outside the major and minor fields. (Subject to approval by the major department)

### Department of Life Sciences

The basic minimum requirements for an undergraduate major in the life sciences, whether for a liberal-arts degree, for the preparation of teachers, or as preparation for professional study at the graduate level are as follows:

1. Completion of the following courses (for specific departmental majors) or their equivalent, with grades of "C" or better.

#### **BIOLOGY**

	<i>Units</i>
3640 Principles of Plant Anatomy .....	3
3642 Principles of Plant Physiology .....	3
3634 Comparative Vertebrate Embryology } .....	4-8
3635 Comparative Vertebrate Anatomy } .....	
3636 Genetics and Evolution .....	3
4650 Histological Technique .....	3
4632 Invertebrate Zoology .....	5
Zoology electives .....	6
Botany elective .....	3

2. Completion of courses in supporting fields, such as: chemistry, etc., with grades of "C" or better.

Note the recommended curricula for life science majors described previously.

3. It is strongly recommended that all students who plan to seek higher academic degrees plan a physical science minor, and complete at least a one year sequence in a foreign language, preferably German or French.

**RECOMMENDATIONS FOR LOWER-DIVISION PREPARATION**

In preparation for the Bachelor of Arts Degree in Life Sciences at Stanislaus State College, the Department of Life Science recommends that the student complete study in the following areas during the freshman and/or sophomore years:

	<i>Units</i>
English (Reading and Composition) .....	3
Introduction to Literature .....	3
Fundamentals of Speech .....	3
History of the United States (Yr) or .....	6
History of Western Civilization (Yr) .....	6
Electives in Social Sciences (Economics and/or Statistics is recommended) .....	3
General Psychology .....	3
† General Biology (Yr) .....	6-8
† General Botany (Yr) .....	3
† General Zoology (Yr) .....	3
Chemistry (College) .....	10
Principles of Chemistry (5) .....	5
Qualitative Analysis (5) .....	5
Physics (General College) .....	6
Health and Hygiene .....	2
Physical Education (2 yrs.) .....	2
Electives .....	13-17
	60-64

† Students planning to elect life science as a major should complete at least a year course in General Biology (including laboratory). For more adequate background, both in General Botany (Yr) and General Zoology (Yr) may be taken in place of General Biology.

† Students planning to elect Zoology as an area of emphasis should complete at least a year course in General Zoology. Some Botany is recommended.

**RECOMMENDED PATTERNS FOR THE BACHELOR OF ARTS DEGREE  
IN THE LIFE SCIENCES**

**JUNIOR YEAR—BIOLOGY**

		<b>First Semester</b>	
<i>Title</i>			<i>Units</i>
3640 Principles of Plant Anatomy .....			3
3634 Comparative Vertebrate Embryology .....			4
3662 Organic Chemistry .....			3
Electives .....			5-7
			15-17
		<b>Second Semester</b>	
3642 Principles of Plant Physiology .....			3
3635 Comparative Vertebrate Anatomy .....			4
3636 Genetics and Evolution .....			3
Electives .....			5-7
			15-17

**SENIOR YEAR—BIOLOGY**

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
4650	Histological Technique .....		3
4660	Biochemistry .....		3
	Electives .....		9-11
			15-17
		<b>Second Semester</b>	
4632	Invertebrate Zoology .....		5
	Zoology or Botany Elective .....		3
	Electives .....		7-9
			15-17

**JUNIOR YEAR—ZOOLOGY**

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
3634	Comparative Vertebrate Embryology .....		4
3662	Organic Chemistry .....		3
	Zoology Elective .....		3
	Electives .....		5-7
			15-17
		<b>Second Semester</b>	
3635	Comparative Vertebrate Anatomy .....		4
3636	Genetics and Evolution .....		3
3662	Organic Chemistry .....		3
	Electives .....		5-7
			15-17

**SENIOR YEAR—ZOOLOGY**

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
4650	Histological Technique .....		3
	Zoology Electives .....		3
4660	Biochemistry .....		3
	Electives .....		6-8
			15-17
		<b>Second Semester</b>	
4632	Invertebrate Zoology .....		5
	Botany Electives .....		3
	Electives .....		7-9
			15-17

**COURSE DESCRIPTIONS****3630. Concepts of Life Sciences (3) F**

A general education survey course designed for non-science majors. Includes the basic principles and interrelationships of living organisms. No prerequisites. (2 lecture, 3 lab hours)

**3631. Concepts of Life Sciences (3) S**

A general education survey course designed for non-science majors. Includes the basic principles and interrelationships of living organisms. No prerequisites. (2 lecture, 3 lab hours)

**3632. Principles of Entomology (3) S**

Studies in the classification, life history, structure, and basic physiology of insects. Prerequisites: General Biology; General Zoology; or equivalent. (2 lecture, 3 lab hours)

**3633. Mammalian Anatomy (3) F**

Human anatomy as illustrated by the dissection of a representative mammal. Prerequisites: General Biology or equivalent. (2 lecture, 3 lab hours)

**3634. Comparative Vertebrate Embryology (4) F**

Comparative study of the development of several representative vertebrate forms. Prerequisites: General Zoology (1 year). (2 lecture, 6 lab hours)

**3635. Comparative Vertebrate Anatomy (4) S**

Gross dissection and comparison of organ systems in representative vertebrates. Prerequisites: General Zoology (1 year). (2 lecture, 6 lab hours)

**3636. Genetics and Evolution (3) S**

An introduction to the mechanisms of inheritance and the factors that underlie the evolution of living things. Prerequisites: General Biology or equivalent. (3 lecture hours)

**3637. Physiology (3) S**

Human physiology as illustrated by the study of the functions of representative vertebrates. Prerequisites: General Biology or equivalent; One semester of chemistry is recommended. (2 lecture, 3 lab hours)

**3640. Principles of Plant Anatomy (3) F**

Morphology, anatomy, and reproductive cycles of plants. Prerequisites: General Biology; General Botany; or equivalent. (3 lecture hours)

**3641. Flowering Plants of California (3) S**

An introduction to the kinds, taxonomic relationships and classification of local flowering plants with practice in their collection and identification.

**3642. Principles of Plant Physiology (3) S**

An analysis of selected topics pertaining to the metabolism, nutrition, and growth of plants. Prerequisites: Principles of Plant Anatomy and organic chemistry or by permission of the instructor. (3 lecture hours)

**4630. History of Biology (3) F**

The rise and development of Biological theories and laws. Prerequisites: 1 year of upper-division Biology. (3 lecture hours)

**4631. Parasitology (4) F**

Studies on parasitism with emphasis on the parasites of man. Prerequisites: 2 years of Zoology or by permission of the instructor. (2 lecture, 6 lab hours)

**4632. Invertebrate Zoology (5) S**

Structure, classification, distribution and life histories of the invertebrates. Prerequisites: 1 year of Zoology. (3 lecture, 6 lab hours)

**4650. Histological Technique (3) F**

Principles and practice in the methods of preparing tissues for microscopic study. Prerequisites: 2 years of Biology. (1 lecture, 6 lab hours)

**4651. Individual Studies (2-4) F, S**

By permission of the instructor only.

### Graduate Courses

**5630. Comparative Vertebrate Histology (5) F, '62**

Comparative microscopic study of tissues and organs with special attention to their evolutionary relationships. Prerequisites: Comparative Vertebrate Embryology and Comparative Vertebrate Anatomy. (3 lecture, 6 lab hours)

**5631. Experimental Embryology (3) S**

Mechanics of fertilization, cleavage and gastrulation; studies on the development of selected invertebrate animals. Prerequisites: Comparative Vertebrate Embryology, Genetics and Evolution or equivalent; or by permission of the instructor. (1 lecture, 6 lab hours)

**5632. Comparative Physiology (5) F, '62**

The interrelationships of the physiological systems among major animal groups. Prerequisites: 2 years of Zoology and Organic Chemistry. (3 lecture, 6 lab hours)

**5633. Biology of the Cell (5) S, '63**

Physics and Chemistry of protoplasm; Cellular Physiology; Chromosomes in genetics and evolution; Physiology of the gene. By permission of the instructor. (3 lecture, 6 lab hours)

**5650. Individual Graduate Study (2-4) F, S, SS**

By permission of the instructor only.

**5651. Graduate Seminar (2-4) F, S, SS, '62**

**5652. Graduate Research (2-4) F, S, SS, '62**

**5653. Thesis (4) F, S, SS**

## Department of Mathematics

Liberal Arts-Mathematics — Applied Mathematics

The work required for a major in this department presupposes at least seven semesters of high school mathematics, including trigonometry. Deficiencies may be made up by proper selection from courses in lower division.

The curriculum is designed to serve the needs of majors in engineering, science, and other departments as well as mathematics majors. Prospective teachers in the elementary and secondary schools are able to obtain a minor or major in mathematics. The M.A. degree accompanied by a teaching credential is available.

### GENERAL REQUIREMENTS

#### *Bachelor of Arts Degree*

All mathematics majors will:

- A. Satisfy the general education requirements of the college. (Physics and foreign language credit may be applied here.)
- B. Complete:
  - (1) One year of college work in any modern foreign language or demonstrate competence.
  - (2) One year of college physics (8 units).
- C. Complete the liberal arts requirement.

## D. Elect one of the following options:

- (1) Liberal Arts—Mathematics. (a) A minimum of 30 units of mathematics, including the following:  
 Lower division Analytic Geometry and Calculus 3-4 semesters  
 Projective Geometry  
 Theory of Numbers  
 Advanced Calculus  
 and additional courses to total 18-24 units in upper division mathematics.  
 (b) A minor (Science) in consultation with the adviser.
- (2) Teaching Mathematics. (a) A minimum of 30 units of mathematics including the following:  
 Lower division Analytic Geometry and Calculus 3-4 semesters  
 Projective Geometry  
 Theory of Numbers  
 Differential Equations  
 Advanced Calculus  
 and additional courses to total 18-24 units in upper division mathematics  
 (b) Education 3310                      Learner and Society  
 Education 4351                      Educational Testing  
 Education 4352                      Guidance and Counseling  
 (c) A minor in a subject taught in the high school.

*Minor in Mathematics for the Bachelor of Arts Degree*

This work is designed to develop strength in a particular branch of mathematics for the student who will enter industry in one of the fields of application of mathematics and to make available courses in pure mathematics to the interested student of the humanities.

*Minor in Mathematics for the Bachelor of Arts Degree (Pre-secondary)*

This program will provide the student with a minor for his Bachelor of Arts degree which in a fifth year can be readily expanded into a minor in mathematics for the general secondary credential.

<b>JUNIOR YEAR</b>		
<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
3620	Advanced Calculus .....	3
3623	Theory of Numbers .....	3
	Minor .....	3
	Liberal Arts .....	3
	Elective .....	3
		15
<b>Second Semester</b>		
3621	Integration .....	3
3625	Differential Equations .....	3
	Minor .....	3
	Liberal Arts .....	3
	Elective .....	3
		15

**SENIOR YEAR**

**First Semester**

<i>Title</i>	<i>Units</i>
4610 Projective Geometry .....	3
4611 Theory of Functions .....	3
Minor .....	3
Liberal Arts .....	3
Elective .....	3

15

**Second Semester**

4610 Projective Geometry .....	3
4613 Statistics and Probability .....	3
Minor .....	3
Liberal Arts .....	3
Elective .....	3

15

**COURSE DESCRIPTIONS**

**3610. Concepts of Mathematics (3) F, S, 55**

Selected topics in elementary algebra and geometry, treated from an advanced standpoint.

**3613. History of Mathematics (3) F, 55, '62**

Consideration of the historical background of mathematics.

**3620. Advanced Calculus (3) F, 55**

Point sets on the line and in Euclidean spaces, metric spaces, spaces of functions, differentiation, Riemann integration, interchange of order of limit operations, methods of successive approximations, existence theorems.

**3621. Integration (3) F, '62**

Functions of bounded variation, Riemann-Stieltjes integration, measure theory, Lebesgue-Stieltjes integration, Fubini and Radon-Nikodym theorems.

**3622. Algebra (3) S, '62**

Linear dependence, matrices, characteristic values, quadratic forms.

**3623. The Theory of Numbers (3-3) F, S, '62**

Divisibility, congruences, theory of prime numbers, Diophantine analysis, partitions.

**3624. Analysis of Mathematical Problems (3) S, '63**

An undergraduate seminar in methods of attack on mathematical problems.

**3625. Differential Equations (3) S, '63**

General methods of solutions of differential equations. Linear equations and systems of linear equations. Bessel's functions and Legendre-polynomials.

**4610. Modern Geometry (3-3) F**

Axiomatic foundation of projective geometry. Introduction of coordinates in the plane. Synthetic and analytic treatment of conics. Higher dimensional spaces.

**4611. Introduction to the Theory of Functions of a Complex Variable (3) S, '63**

Differentiability of complex functions. Cauchy's integral. Power series. Laurent series. Analytic continuation. Singularities of analytic functions.



**4612. Individual Study for Advanced Undergraduates (1-5) F, S, SS**

Investigation of special problems under the direction of members of the department.

**4613. Statistics and Probability (3) S, '62**

Tests of statistical hypothesis introduced to continuous probability, point and interval estimation.

**GRADUATE COURSES**

**5610. Higher Mathematics for Physical Sciences (3-3) F, '62**

Boundary value problems for the heat, potential and wave equations. Laplace and Fourier transforms. Bessel and Legendre functions. Green's functions. Integral equations, variational methods.

**5611. Higher Mathematics (3-3) S, '63**

Introduction to Hilbert space and linear operations. Spectral theory of matrices and ordinary differential operators. Green's functions and solution of partial differential equations.

**5612. Seminars (2-6) F, S, SS**

Topics in foundations of mathematics, theory of numbers, numerical calculation, analysis, geometry, algebra, and their applications, by means of lectures and informal conferences; work based largely on original memoirs.

## Department of Physical Science

Chemistry — Physics — Physical Sciences (General)

Studies in this department are undertaken by three principle classes of students: Those preparing for careers in professional fields, such as life science and elementary school education, those who wish to include any of the physical sciences as a part of a general education program, and those who are preparing for teaching or research careers in the physical sciences area.

The Department of Physical Sciences offers a Bachelor of Arts Degree, Liberal Arts—Science—Mathematics with areas of emphasis in chemistry, physics, physical sciences (general).

Physical Science courses required for a general secondary teaching credential are offered by the department.

### GENERAL REQUIREMENTS

#### *Bachelor of Arts Degree*

For a Major: In addition to the College's basic requirements for the Bachelor's Degree a minimum of 36 units in the subject area, 24 of which must be in the upper division, are required.

For a Minor: A minimum of 20 units in the subject area is required, at least 12 units must be in the upper division.

General Secondary Credential: The curriculum as suggested in this bulletin under the heading "Physical Science" is designed to meet the particular needs of those students seeking teaching in secondary schools as their career. All candidates for a General Secondary Credential with either a teaching major or minor in Physical Sciences must have at least a "B" average in all courses taken in the Department of Science and

Mathematics. Students who have received a Bachelor of Arts in Physical Science will have fulfilled all requirements, except a minimum of 6 units of graduate work, to be completed during a fifth year. To fulfill these requirements the department requires all candidates for the Secondary Teaching Credential to carry a research project of their own—subject to approval by the adviser—and to present it in form of a thesis.

### Suggested Program

It is suggested to all candidates for a degree in chemistry, physics, or physical sciences to take during their freshman and sophomore years the following courses as part of their general education program and towards fulfillment of the requirements of their major or minor subject areas.

*Mathematics:* Analytic Geometry and Calculus, 6 units.

*Physics:* Mechanics, Heat, Sound; Electricity and Optics.

*Chemistry:* Inorganic Chemistry; Qualitative and Quantitative Inorganic Analysis. Or Equivalent Courses.

#### SCIENCE-MATHEMATICS (CHEMISTRY)—JUNIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
3662	Organic Chemistry and Laboratory I .....		5
4664	Physical Chemistry .....		3
	Liberal Arts, Minor and Elective .....		7
			—
			15

#### Second Semester

3662	Organic Chemistry and Laboratory II .....	5
3672	Modern Physics .....	3
	Liberal Arts, Minor and Elective .....	7
		—
		15

#### SENIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
4660	Biochemistry .....	3	
4665	Advanced Organic Chemistry .....	2	
4661	Radiochemistry and Laboratory .....	3	
	Liberal Arts, Minor and Elective .....	7	
		—	
		15	

#### Second Semester

4666	Chemistry Seminar .....	1
4663	Industrial Chemistry .....	3
	Liberal Arts, Minor and Elective .....	11
		—
		15

#### SCIENCE-MATHEMATICS (PHYSICS)—JUNIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
3672	Modern Physics .....	3	
3625	Differential Equations .....	3	
	Liberal Arts, Minor and Elective .....	9	
		—	
		15	

		<b>Second Semester</b>	
	<i>Title</i>		<i>Units</i>
3673	Thermodynamics .....		3
3674	Intermediate Mechanics and Laboratory .....		3
	Liberal Arts, Minor and Elective .....		9
			15

### SENIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
3676	Intermediate Electricity and Magnetism and Laboratory .....		4
4670	Physics of Solids .....		3
	Liberal Arts, Minor and Elective .....		8
			15

### Second Semester

4671	Physics of Gases and Liquids .....	3
4672	Optics and Wave Motion .....	3
	Liberal Arts, Minor and Elective .....	9
		15

### SCIENCE-MATHEMATICS (PHYSICAL SCIENCES, GENERAL)

Candidates working for a Bachelor of Arts degree with emphasis in Physical Sciences (general) are urged to take courses in Geology and Astronomy as part of their general education program during their freshman and sophomore years in addition to those courses suggested earlier. Failure to do so may result in additional course requirements in the areas of Geology and Astronomy.

### JUNIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
3660	Chemistry for High School Teachers I .....	3	
3661	Laboratory Demonstrations & Instruments .....	1	
3670	Physics for High School Teachers and Laboratory I .....	4	
	Liberal Arts, Minor and Elective .....	7	
			15

### Second Semester

3660	Chemistry for High School Teachers II .....	3
3661	Laboratory Demonstrations and Instruments .....	1
3670	Physics for High School Teachers II and Laboratory .....	4
	Liberal Arts, Minor and Elective .....	7
		15

### SENIOR YEAR

		<b>First Semester</b>	
	<i>Title</i>		<i>Units</i>
4660	Biochemistry .....	3	
4664	Physical Chemistry .....	3	
	Liberal Arts, Minor and Elective .....	9	
			15

		Second Semester	
	Title		Units
4663	Industrial Chemistry .....		3
3672	Modern Physics .....		3
	Liberal Arts, Minor and Elective.....		9
			15

### COURSE DESCRIPTIONS

**3660. Chemistry for High School Teachers I and II (3-3) F, S**

Principles of Chemistry, introduction to physical chemistry, organic chemistry and biochemistry. Prerequisite: College courses in organic chemistry and quantitative inorganic analysis.

**3661. Laboratory Demonstrations and Instruments (1) F, S**

The tools and modern methods of chemistry with emphasis upon laboratory techniques. A laboratory course. Prerequisite: Inorganic chemistry and analytical chemistry.

**3662. Organic Chemistry I and II (3-3) F-S**

Prerequisite: Inorganic Chemistry. Aliphatic and aromatic compounds. Heterocyclic compounds and natural products.

**3670. Physics for High School Teachers I and II (4-4) F, S**

Principles of physics with emphasis on meeting the needs for effective high school instruction. A lecture and laboratory course. Prerequisite: College algebra, College physics.

**3672. Modern Physics (3) F**

Basis of modern atomic theory, structure and properties of atoms, the nucleus, radioactivity. Prerequisite: Mechanics, Heat, Electricity, Optics, Algebra.

**3673. Thermodynamics (3) S, '62**

Derivation of laws of thermodynamics from basic postulates. Macroscopic properties of matter as consequences of these laws. Prerequisite: Differential Equations.

**3674. Intermediate Mechanics (4) S, '63**

Vectors, static of rigid bodies, dynamics of point particles, the physical pendulum, elementary mechanics of deformable solids, introduction to special theory of relativity. Prerequisite: Mechanics, Sound, Electricity, Optics, Calculus.

**3676. Intermediate Electricity and Magnetism (4) F, '62**

Electric and magnetic fields and potential; electrostatics, magnetostatics; Maxwell equations; propagation in non-isotropic media, motion of charged particles in electric, magnetic fields. Prerequisite: Electricity and Optics.

**3680. Concepts of Physical Sciences (3-3) F-S**

A general education course for non-science majors, providing an overview of physics, chemistry, Astronomy, and Geology. (Formerly known as 3631)

**3689. Individual Study (1-3) F, S**

**4660. Biochemistry (3) F, '62**

Carbohydrates, Proteins, Fats, and their basic metabolism. Prerequisite: Organic chemistry.

**4661. Radiochemistry (4) F, '62**

Properties of radioisotopes and their application to chemistry. Tracer technique. Prerequisite: Inorganic and organic chemistry, Modern Physics.

**4663. Industrial Chemistry (3) S, '63**

Chemical technology for some inorganic and organic products. Sulfuric acid, Ammonia, oil, sugar, paper, fertilizers, plastics, and others. Prerequisite: Inorganic and organic chemistry.

**4664. Physical Chemistry (3) F, '62**

Introduction to chemical thermodynamics, chemical kinetics, and electro-chemistry. Prerequisite: Inorganic chemistry, analytical geometry and calculus.

**4665. Advanced Organic Chemistry (2) F, '62**

Lectures on chemistry of natural products (alcaloides, hormones) Prerequisite: Organic chemistry.

**4666. Chemistry Seminar (1) S**

Topics from the areas of organic chemistry and physical chemistry will be prepared for discussion by individual students.

**4670. Physics of Solids (3) F, '62**

Introduction to the principal types of solids with emphasis on their electrical and magnetic properties. Elementary treatment of electrons in metals, semiconductors. Prerequisite: Atomic Physics, Calculus.

**4671. Physics of Gases and Liquids (3) S, '63**

Kinetic Theory and introduction of statistical mechanics. Dynamics of gases and fluids. Prerequisite: Atomic Physics, Calculus.

**4672. Optics and Wave Motion (3) S, '63**

Theory of wave motions. Interference and diffraction phenomena. Prerequisite: Electricity and Optics, Differential Equations.

**4699. Individual Study in Chemistry (1-3) F, S, SS**

By permission of the instructor only.

**4673. Individual Study in Physics (1-3) F, S, SS**

By permission of the instructor only.

**5660. Graduate Laboratory (3) F, S**

Supervision of Research projects in the areas of organic and analytical chemistry.

## DIVISION OF SOCIAL SCIENCES

Economics — Geography — History  
 Political Science and Public Administration  
 Psychology — Sociology

Course offerings in the Division of Social Sciences are designed to give the student the generally recognized essentials for teaching and other professional activities, and for advanced study. In 1961-1963 specialties of 24 units or more in the upper division will be offered in economics, history, political science-public administration, and sociology-anthropology.

The Division of Social Science offers curricula leading to:

1. The Bachelor of Arts degree in Social Science, with specialties in economics, history, political science, public administration, or a broad major in social science. Service courses are offered in geography, psychology, and anthropology.
2. The Division of Social Sciences cooperates with the Division of Education in offering programs for the preparation of teachers.

### GENERAL REQUIREMENTS

Students planning a divisional major must meet the following requirements:

1. The general graduation requirements of the College;
2. Complete a major of not less than 36 units, of which not less than 18 must be in the upper division;
3. Meet the Liberal Arts requirement of the College;
4. After June 30, 1963, demonstrate proficiency in a foreign language appropriate to the student's objective: normally French, German, or Russian.

The Division of Social Sciences recommends that for the distributed major the student complete a minimum of nine units from the following courses of their equivalent during the freshman and/or sophomore years, in addition to the general education requirements:

	<i>Units</i>
1. Introduction to Sociology 1, 2 or Cultural Anthropology 2A-2B.....	6
2. Economic Principles 1A; Problems in Economics 1B.....	6
3. European History 4A-4B .....	6
4. Economic Geography 5A .....	3
	21

The general education requirement must include one year of General Biology and a semester of General Psychology 1A; a year of physics or

geology is desirable. In addition, the student should acquire a ready reading knowledge of one language.

To complete a distributed or division-wide major in Social Science, 18 semester units must be in the upper division, of which 12 shall be in a single department, and based on an appropriate lower division course in the same department.

## COURSE DESCRIPTIONS

### DIVISION OF SOCIAL SCIENCES

*See also the listings under the appropriate departments.*

**4790. Individual Study in Social Sciences (2-4) F, S, SS**

This title is appropriate to study programs covering several disciplines, and primarily for students completing a divisional major.

**4792. Social Science Research Methods and Materials (3) F**

Lays a broad foundation in bibliography and methods. Critical analysis and evaluation of sources; design of research; questionnaires and interviews; statistical treatment. Required of all majors in any branch of social sciences in their senior year.

#### Graduate Courses

**5790. Individual Graduate Study (2-4) F, S, SS**

This title is appropriate to graduate study programs covering several disciplines. Prerequisite: consent of instructor to act as sponsor prior to registration.

**5799. Thesis (3-4) F, S, SS**

An interdisciplinary research study, based so far as possible on field research, conducted by the graduate student under the general direction of his major professor.

## Department of Economics

History and Theory — Business Economics — Public Policy

### DEGREE PROGRAM

The Department of Economics offers programs leading to:

1. The Bachelor of Arts Degree in Social Science with emphasis in:
  - a. History and Theory of Economics
  - b. Business Economics
  - c. Public Economic Policy
2. The Department of Economics cooperates with the Division of Education in offering programs for the preparation of teachers.

### GENERAL REQUIREMENTS

Students seeking a bachelor's degree in the Department of Economics must meet the following requirements:

1. The general graduation requirements of the College.
2. Complete a major of 30 hours, of which not less than 24 must be in the upper division. Six hours may be taken in other departments, with the consent of the adviser.
3. Complete the Liberal Arts requirement of the College.
4. After June 30, 1963, demonstrate proficiency in one foreign language: normally French, German or Russian.

The Department of Economics recommends that the student complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements:

	<i>Units</i>
1. Economic Principles 1A .....	3
2. Problems of Economics 1B .....	3
3. Economic Geography 5A-5B .....	6
4. Introduction to Sociology 1 .....	3
5. Accounting 1A-1B, 42 .....	6-9
6. Introduction to Business 48 .....	3
	24-27

The following courses outside the Department of Economics are required of all majors and may be counted toward the major in Economics: Statistics and Probability (Math 4610), and Social Science Research Methods and Materials (Soc. Sci. 4792).

The recommended pattern for the degree program:

<b>JUNIOR YEAR</b>		
<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
3703 Economic Theory I .....		3
3761 American National Government (if not completed in lower division) .....		3
3240 Principles of Marketing .....		3
Courses to complete minor and liberal arts requirements .....		6
		15
<b>Second Semester</b>		
3704 Economic Theory II .....		3
3762 American State and Local Governments .....		3
4230 Business Finance .....		3
Courses to complete minor and liberal arts requirements .....		6
		15
<b>SENIOR YEAR</b>		
<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
4701 History of Economic Thought .....		3
4703 Public Finance .....		3
4721 American Economic History (or other American History) .....		3
4610 Statistics and Probability .....		3
4792 Social Science Research Methods and Materials .....		3
		15
<b>Second Semester</b>		
4702 Comparative Economic Systems .....		3
4704 Industrial Organization and Public Policy .....		3
4233 Business Management Policies .....		3
Courses to complete minor and liberal arts requirements .....		6
		15

### COURSE DESCRIPTIONS

#### **3700. Concepts of Economics (3) F**

Intensive survey of economic principles at an advanced level. Not acceptable for upper division credit for Economics majors. Acceptable as prerequisite to other Economics courses.



**3702. Managerial Economics (3) S; SS**

Concepts of economics essential to business enterprise: national income, international trade and finance. Prerequisite: Principles of Economics.

**3703-3704. Economic Theory I, II (3-3) F, S**

Theories involving the market under varying conditions of competition and monopoly. Analysis of national economic factors: national output, employment, fiscal and monetary policy, growth rates. Prerequisite: Principles of Economics.

**3705. Economics of the Business Firm (3) F**

Economic factors governing and influencing managerial decisions. Prerequisite: Principles of Economics.

**3706. Money and Credit (3) S**

Commercial banking; Federal Reserve System; credit creation and monetary theory. Prerequisite: Principles of Economics.

**4701. History of Economic Thought (3) F**

Economic ideas from the mercantilists to the present. Prerequisite: Principles of Economics.

**4702. Comparative Economic Systems (3) S**

Comparisons between North American capitalism and European capitalism, socialist economies, and the economies of underdeveloped countries. Sources of economic decisions; organization of production; exchange; banking and investment; distribution of income; status of labor; international trade; public finance. Prerequisite: Principles of Economics.

**4703. Public Finance (3) F, '62**

Raising and spending of public money; principles, incidence, problems and economic effects of taxation. Prerequisite: Principles of Economics.

**4704. Industrial Organization and Public Policy (3) S, '63**

Public policies relative to stimulus and control of industry and commerce. Prerequisite: Principles of Economics.

## Department of Geography

### Service Course

**4711. World Political Geography (3) S**

Influence of the nations' geographical character and location, economic resources, peoples and culture on their international power.

## Department of History

United States — Europe — Asia  
Great Britain and the Commonwealth

### DEGREE PROGRAM

The Department of History offers curricula leading to:

1. The Bachelor of Arts degree in Social Science with specialties in the areas listed above.
2. The Department of History cooperates with the Division of Education in offering programs for the preparation of teachers.

## GENERAL REQUIREMENTS

Students seeking a bachelor's degree in the Department of History must meet the following requirements:

1. The general graduation requirements of the College.
2. Complete a major of not less than 30 units, of which not less than 24 must be in the upper division.
3. After June 30, 1963, demonstrate proficiency in one foreign language: French, German, Russian, or a language appropriate to their particular geographical area of concentration.

The Department of History recommends that the student complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements:

	<i>Units</i>
1. European History 4A-4B, or an equivalent course in World Civilization ..	6
2. Economic Principles 1A .....	3
3. Problems of Economics 1B .....	3
4. Introduction to Sociology 1, 2, or Cultural Anthropology 2A .....	3-6
5. Economic Geography 5A-5B .....	6
	21-24

Social Science 4792, Social Science Research Methods and Materials, is required of all History majors, in place of a historical methods course.

The recommended pattern for the degree program:

<b>Junior Year</b>	<i>Units</i>
American history sequence .....	6
European history sequence .....	6
Literature sequence appropriate to area of interest .....	6
American government or Economics sequence .....	6
Liberal arts sequence to be selected .....	6
	30
<b>Senior Year</b>	<i>Units</i>
American or European history sequence .....	6
Russia-Asia, Germany-Asia, or England sequence .....	6
Political Science, Economics or Sociology sequence .....	6
Social Science Research Methods and Materials (4792) .....	3
Statistics and Probability (4610) .....	3
Electives .....	6
	30

## COURSE DESCRIPTIONS

### DEPARTMENT OF HISTORY

#### **3720. California History and Geography (3) F, S**

Environment; Spanish, exploration and settlement; political, economic and social developments which give California its unique character. (Formerly 3722)

#### **3721. American Economic History (3) F, '62**

Development of American economic institutions.

**3722. American Constitutional History (3) S, '63**

English and Colonial background; the Constitutional Convention; the resolution of basic issues in the growth of American democratic government. (Formerly 4720)

**3735. England and Her First Empire (3) F**

England, 1485 to 1783.

**3736. England and the Commonwealth (3) S**

England, the Empire and the Commonwealth from 1783 to date.

**4722. American Politics Since 1865 (3) F**

Intensive study of a century of American political history.

**4724. American Intellectual and Social History (3) S**

Analysis of important trends in American thought and conduct from colonial days to present.

**4725. American Colonial History (3) SS, '62**

British American colonies and the Revolutionary War.

**4727. The Westward Movement (3) S**

The advance and characteristics of the frontier, and its effect in molding American life.

**4731. Europe, 800 to 1600 (3) F, '62**

Survey of Europe through medieval times, the Renaissance and the Reformation. History 4A-4B desirable, but not prerequisite.

**4732. Europe, 1600 to 1789 (3) S, '63**

Early Modern Europe; growth of national states; the *Ancien régime*; rise of science; the Enlightenment.

**4733. Europe in the 19th Century (3) F**

Growth of modern national states, their international conflicts and colonial rivalries.

**4734. Europe in the 20th Century (3) S**

The world wars and the search for collective security; the cold war and the quest for western solidarity.

**4737. Modern Germany (3) F, '62**

Germany since the 18th century, with emphasis on her key role in Europe since 1871.

**4738. Modern Russia (3) F, SS**

Russia since the 18th century; the Soviet Union as a world power.

**4741. Asia Before 1900 (3) S, '63**

Survey of the cultures of Asia; the period of colonialism.

**4742. Modern Asia (3) S**

Decline of the colonial empires; rise of Asian nationalism.

**4746. Science, Technology and Society Since 1787 (3) S, '63**

Growth of science and technology, and their influence on modern life and thought.

**4748. Individual Study (2-4) F, S**

An opportunity for the student to acquire depth in a field to which he has already had an introduction. Prerequisite: Consent of instructor, obtained before registration.

## GRADUATE COURSES

**5721. Problems in United States History, 1783-1865 (3) F**

Familiarizes the student with monograph and periodical materials through the problem approach. Prerequisite: 6 units in U.S. history.

**5722. Seminar in United States History Before 1865 (3) S**

Seminar research in colonial and early United States history. Prerequisite: 12 units in United States history and consent of instructor.

**5723. Problems in United States History Since 1865 (3) F, '62**

See History 5721. (Formerly 5791)

**5724. Seminar in United States History Since 1865 (3) S, '63**

Seminar research in recent United States history. Prerequisite: 12 units in United States History and consent of instructor.

**5726. Seminar in California and the West (3)**

**Alternative offering to 5723 or 5724**

Seminar research in history of the region west of the Rockies. Prerequisite: 12 units in United States history, including a course in history of California or of the Westward Movement.

**5731. Problems in European History Before 1789 (3) F, '62**

Familiarizes the student with monograph and periodical materials through the problem approach. Prerequisite: 6 units in European history.

**5732. Seminar in European History 1789 (3) S, '63**

Seminar research in European history. Prerequisites: 12 units in European history and consent of instructor.

**5733. Problems in European History Since 1789 (3) F, S5**

Seminar research in European history. Prerequisite: 6 units in European history.

**5734. Seminar in European History Since 1789 (3) S**

Seminar research in European history. Prerequisites: 12 units in European history and consent of instructor.

**5748. Individual Graduate Study (2-4) F, S, S5**

An opportunity for the graduate student to acquire depth in a field, or to broaden his training. Prerequisite: Consent of instructor, obtained before registration.

**5749. Thesis (4) F, S, S5**

Under the general direction of his major professor, the graduate student will prepare a research study, based so far as possible on original sources.

## Department of Political Science

Political Theory — Public Administration — International Relations

### DEGREE PROGRAM

The Department of Political Science offers curricula leading to:

1. The Bachelor of Arts degree in Social Science with a specialty in political science (political theory or international relations), or in public administration;
2. The Department of Political Science cooperates with the Division of Education in offering programs for the preparation of teachers.

## GENERAL REQUIREMENTS

Students seeking a bachelor's degree in the Department of Political Science must meet the following requirements:

1. The general graduation requirements of the College.
2. Complete a major of not less than 30 units, of which not less than 24 must be in the upper division.
3. After June 30, 1963, demonstrate proficiency in one foreign language appropriate to the student's objective: normally French, German or Russian.

The Department of Political Science recommends that the student complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements:

	<i>Units</i>
1. Introduction to Government 1, 2 .....	6
2. Introduction to Sociology 1, 2 .....	6
3. Economic Principles 1A; Problems in Economics 1B .....	6
4. Economic Geography 5A .....	3
	21

The general education requirement must include one year of General Biology and General Psychology 1A; a year of physics is desirable. In addition, the student should acquire a ready reading knowledge of one language. The recommended pattern for the degree program:

### POLITICAL SCIENCE—JUNIOR YEAR

<b>First Semester</b>		
<i>Title</i>		<i>Units</i>
4750 Contemporary World Problems .....		3
4751 American Political Thought .....		3
3767 Principles of Public Administration .....		3
United States History (per offering) .....		3
Course to meet minor and Liberal Arts requirement .....		3
		15
<b>Second Semester</b>		
3768 Public Personnel Administration .....		3
4752 Comparative Governments .....		3
United States History (per offering) .....		3
Course to meet minor and liberal arts requirements .....		6
		15

### SENIOR YEAR

<b>First Semester</b>		
4753 Contemporary International Politics .....		3
4792 Social Science Research Methods and Materials .....		3
Courses to complete minor and liberal arts requirement .....		9
		15

**Second Semester**

4754	United States Foreign Policy .....	3
4776	Social Psychology (if offered) .....	3
4610	Statistics and Probability .....	3
	Courses to complete minor and liberal arts requirements .....	6
		<hr/>
		15

**PUBLIC ADMINISTRATION—JUNIOR YEAR**

**First Semester**

	<i>Title</i>	<i>Units</i>
3767	Principles of Public Administration .....	3
3751	American National Government (if not cleared in lower division) .....	3
3780	Principles of Sociology (if not cleared in lower division) .....	3
	Managerial Accounting .....	3
4551	Arts in Contemporary Society .....	3
		<hr/>
		15

**Second Semester**

3768	Public Personnel Administration .....	3
3752	American State and Local Government (if not cleared in lower division) .....	3
4610	Statistics and Probability .....	3
	Courses to complete minor and liberal arts requirements .....	6
		<hr/>
		15

**SENIOR YEAR**

**First Semester**

4703	Public Finance .....	3
4767	Public Management Procedures .....	3
4750	Contemporary World Problems .....	3
4751	American Political Thought .....	3
4792	Social Science Research Methods and Materials .....	3
		<hr/>
		15

**Second Semester**

4768	Public Financial Administration .....	3
4231	Systems and Procedures Analysis .....	3
4776	Social Psychology (if offered) .....	3
4752	Comparative Governments .....	3
	Courses to complete minor and liberal arts requirements .....	3
		<hr/>
		15

**COURSE DESCRIPTIONS**

**DEPARTMENT OF POLITICAL SCIENCE**

**3750. Federal, State and Local Governments (3) F, S, SS**

The Constitution and its meaning in American life; functions of the federal government. Emphasis on California's state and local governments, and how the citizen may participate in the governing process. Meets Constitution and California Government requirements. (Formerly 3760)

**3751. American National Government (3) F**

Intensive study of the federal government. Meets constitution requirement. Required for General Secondary Credential major in social sciences.

**3752. American State and Local Governments (3) S**

The government of California compared with the governments of other states. Required for General Secondary Credential major in social sciences. Meets the California Government requirement.

**3761. Principles of Public Administration (3) F**

The role of administration in the modern state; principles of organization, budgeting, management techniques, the public service, and the control of administration.

**3762. Public Personnel Administration (3) S**

Surveys public personnel administration; the history of civil service; the personnel agency, classification, recruitment, examinations, promoting, service ratings, training, discipline, and retirement.

**4750. Contemporary World Problems (3) F, S, 55**

A basis for understanding international news. The cold war; anti-colonialism; conservative-liberal-socialist-communist divisions abroad.

**4751. American Political Thought (3) F**

Basic problems of political theory as viewed by representative American thinkers.

**4752. Comparative Governments (3) S**

Comparison of modern constitutional democratic governments with authoritarian governments in theory and practice.

**4753. Contemporary International Politics (3) F, '62**

Study of international power politics. Prerequisite: Contemporary World Problems or consent of instructor.

**4754. United States Foreign Policy (3) S, '63**

Detailed study of recent United States policies.

**4758. Individual Study in Political Science (3) F, S**

An opportunity for the student to acquire depth in an area of political science to which he has already had an introduction. Prerequisite: Consent of instructor, obtained before registration.

**4761. Public Management Procedures (3) F, '62**

Study of governmental organization and the techniques and procedures of public management; history of the public management movement; problem of control; case studies of development of procedures. Prerequisite: Principles of Public Administration.

**4762. Public Financial Administration (3) S, '63**

The role of financial administration and budgeting in determination of governmental policy, in administrative planning and management, in control of governmental operations, in intergovernmental relations, and in relation to the private economy with emphasis on local government. Case studies. Prerequisite: Principles of Public Administration.

**4768. Individual Study in Public Administration (2-4) F, S**

An opportunity for the student to acquire depth in an area of political science to which he has already had an introduction. Prerequisite: Consent of instructor, obtained before registration.

**GRADUATE COURSES**

**5753. Problems in International Relations (3) F, '62**

Familiarizes the student with monograph and periodical materials through oral and written reports on phases of selected topics, such as: nationalism, imperialism, disarmament, economic relations, diplomacy, international organization, and war. Prerequisite: 3 units in a background course, including 4711, 4750, and 4753.

**5754. Seminar in International Relations (3) S, '63 (on demand)**

Seminar research in international relations. Prerequisites: 9 units in appropriate background courses and consent of instructor.

**5758. Individual Graduate Study in Political Science (3) F, S, SS**

An opportunity for the student to acquire depth in an area to which he has already had an introduction. Prerequisite: Consent of instructor, obtained before registration.

**5759. Thesis in Political Science (3-4) F, S, SS**

Under the general direction of his major professor, the graduate student will prepare a research study.

## Department of Psychology

In 1961-1963 service courses will be offered in fields where demand has been determined. *If you are interested in any of the courses listed below, write immediately to the Dean of Admissions, stating exactly what your interest is.*

### GENERAL REQUIREMENTS

In 1961-1962 there will be no degrees granted in psychology, but persons taking the available offerings will be granted a degree in Social Science. See requirements listed under the heading *Division of Social Science*.

### COURSE DESCRIPTIONS

**Prerequisite to all courses: 3 units of introductory psychology.**

**\*4700. Psychology of Learning (3)**

Consideration of major theoretical systems of learning.

Prerequisite: Psychological Foundations of Education or Learner and Society or consent of instructor.

**\*4774. Psychological Testing (3)**

Basic concepts of psychological measurements. To be taken with or subsequent to Statistics and Probability (Math 4610).

**\*4775. Psychology of Personality (3)**

Biological and cultural determinants of personality; measurement or appraisal of personality traits; the integration of personality.

**\*4776. Social Psychology (3)**

Inquiry into group dynamics; social interaction and its effects upon the individual and the group.

\* These courses will be given only if sufficient interest has been shown in them prior to Registration Week. *If you are interested in any of the courses listed, write immediately to the Dean of Admissions, stating exactly what your interest is.*

## Department of Sociology and Anthropology

Sociological History and Theory — Social Welfare — Anthropology

The Department of Sociology and Anthropology offers curricula leading to:

1. The Bachelor of Arts degree in Social Science with a specialty in sociology and anthropology.



- The Department of Sociology and Anthropology cooperates with the Division of Education in offering programs for the preparation of teachers.

### GENERAL REQUIREMENTS

Students seeking a bachelor's degree in Social Science with a specialty in Sociology and Anthropology must meet the following requirements:

- The general graduation requirements of the College.
- Complete a major of not less than 30 units, of which not less than 18 must be in the upper division.
- After June 30, 1963, demonstrate proficiency in one foreign language appropriate to the student's objective: Spanish for those entering social work in California; French, German or Russian for those specializing in history and theory or in anthropology.

The Department of Sociology and Anthropology recommends that the student complete study in the following areas during the freshman and/or sophomore years in addition to the general education requirements.

	<i>Units</i>
1. Introduction to Sociology 1, 2.....	6
2. Cultural Anthropology 2A-2B .....	6
3. General Psychology 1B or 41.....	3
4. Economic Principles 1A .....	3
5. Economic Geography 5A .....	3
	21

The general education requirement must include one year of General Biology.

The recommended pattern for the degree program:

In view of the fact that offerings will be limited in this department during 1961-1963, students must take a minimum of three year course sequences in the department during the semesters when they are offered, for 18 units credit.

Social Science Research Methods and Materials (4792) and Statistics and Probability (Math 4610) are required of all candidates for the degree in this department.

Students preparing for a teaching credential must offer the general education requirement in United States history and a year sequence each in American government and in European history. Recommended teaching minors: Life Science-Physical Science; Foreign Language, with Literature courses appropriate to the sociology-anthropology specialization; or English.

### COURSE DESCRIPTIONS

#### Department of Sociology and Anthropology

##### SOCIOLOGY

#### **3780. Principles of Sociology (3) F, S**

An introductory course for upper division students, it is a comprehensive survey of the fundamentals of general sociology, emphasizing the concepts and principles of the major fields of sociology. Does not count toward the upper division major.

#### **4781. Industrial Sociology (3) F**

Problems of the urban industrial worker; access to jobs; social stratification; living conditions, etc.

#### **4782. Principles of Social Welfare (3) S, '62, F, '62**

Basic concepts and methods of social work; case work techniques; public welfare agencies; social group work and community organizations.

**4783. Marriage and the Family (3) F, '62**

Nature of the family, contemporary trends and problems in American family life.

**4784. Rural and Urban Societies (3) S, '63**

Contrasts of traditional rural and urban societies, particularly in the United States; the current trend toward the dispersion of homes and industries to "suburbia."

**4786. Methods in Social Work (3) S, '63**

**4788. Individual Study (2-4) F, S**

An opportunity for the student to acquire depth in a field to which he has already had an introduction. Prerequisite: Consent of instructor obtained before registration.

**4792. Social Science Research Methods and Materials (3) F**

Lays a broad foundation in bibliography and methods. Critical analysis and evaluation of sources; design of research; questionnaires and interviews; statistical treatment. Required of all majors in their senior year.

**GRADUATE COURSES**

**5782. Sociology Seminar (3) S, '62, S, '63**

Research problems to be selected; in many cases there will be studies in local communities.

**5784. Social Work Seminar (3) Alternative to 5782, offered on demand.**

**5788. Individual Graduate Study. (2-4) F, S, SS**

An opportunity for the graduate student to acquire depth in a field, or to broaden his training. Prerequisite: Consent of instructor as sponsor prior to registration.

**5789. Thesis (4) F, S, SS**

Under the general direction of his major professor, the graduate student will prepare a research study, based so far as possible on field research.

**ANTHROPOLOGY**

**3793. Indians of California and the Southwest (3) F, '62**

Comparative study of the origins, crafts, social organization and relationships of the Indians of this richly varied area.

**3794. Middle American Cultures (3) S, '63**

Prehistoric and modern Indian civilizations of Mexico, Central America, and the West Indies.

## CALIFORNIA STATE COLLEGES

- Alameda County State College, 22300 Foothill Blvd., Hayward—Jefferson 8-8000  
Dr. Fred F. Harclerod, President
- California State Polytechnic College, San Luis Obispo—Liberty 3-2000 and Pomona-Lycoming 5-1241  
Dr. Julian A. McPhee, President
- Chico State College, First and Normal Streets, Chico—Fireside 3-4411  
Dr. Glenn Kendall, President
- Fresno State College, Shaw and Cedar Avenues, Fresno—Baldwin 2-5161  
Dr. Arnold E. Joyal, President
- Humboldt State College, Arcata—Van Dyke 2-1771  
Dr. Cornelius H. Siemens, President
- Long Beach State College, 6101 East Seventh Street, Long Beach 4—Geneva 3-0951  
Dr. Carl W. McIntosh, Jr., President
- Los Angeles State College of Applied Arts and Sciences  
5151 State College Drive, Los Angeles 32—Capitol 5-1631  
Dr. Howard S. McDonald, President
- Orange County State College, 800 North Cypress Ave., Fullerton—Trojan 1-3300  
Dr. William B. Langsdorf, President
- Sacramento State College, 6000 "J" Street, Sacramento 19—Gladstone 2-3252  
Dr. Guy A. West, President
- San Diego State College, 5402 College Avenue, San Diego 15—Juniper 2-4411  
Dr. Malcolm A. Love, President
- San Fernando Valley State College, 18111 Nordhoff Street, Northridge—Dickens 9-1200  
Dr. Ralph Prator, President
- San Francisco State College, 1600 Holloway Avenue, San Francisco 27—Juniper 4-2300  
Dr. Glenn S. Dumke, President
- San Jose State College, San Jose 14—Cypress 4-6411  
Dr. John T. Wahlquist, President
- Sonoma State College, Cotati  
Dr. Ambrose R. Nichols, Jr., President
- Stanislaus State College, P.O. Box 1000, Turlock—Mercury 2-2411  
Dr. J. Burton Vasche, President

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SITE

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STANISLAUS STATE COLLEGE  
TURLOCK, CALIFORNIA

CANAL DRIVE

CANAL DRIVE

NORTH BROADWAY

EAST MAIN STREET

WEST MAIN STREET

LANDER AVENUE

FROM: MERCED  
FRESNO

