THE CALIFORNIA STATE COLLEGE
AT
SAN BERNARDINO

1967–68
CATALOG
DIRECTORY FOR CORRESPONDENCE

Inquiries by students seeking admission to the College should be addressed to:

Director of Admissions
The California State College at San Bernardino
5500 State College Parkway
San Bernardino, California 92407

Other inquiries should be addressed to the offices listed below, at the same post office address as above.

General Information Concerning the College Office of the Dean of Academic Affairs
Financial Aid Office of The Dean of Students
Housing Office of The Dean of Students
Student Bills and Fees Office of the Bursar
Transcripts of Records Office of the Registrar
Veterans Office of The Dean of Students
Vocational Placement Office of The Dean of Students
GENERAL CATALOG
OF
THE CALIFORNIA STATE COLLEGE
AT
SAN BERNARDINO

SAN BERNARDINO, CALIFORNIA 92407
Telephone: 714 887-6311

Fall, Winter, and Spring Quarters 1967–68

NOTE: ALL ANNOUNCEMENTS HEREIN ARE SUBJECT TO REVISION WITHOUT PREVIOUS NOTICE
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### COLLEGE CALENDAR 1967–68

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TRUSTEES OF THE CALIFORNIA STATE COLLEGES

EX OFFICIO TRUSTEES

Ronald Reagan, B.A. .................................................... State Capitol, Sacramento 95814
Governor of California and President of the Trustees

Robert H. Finch, B.A., LL.B. ........................................... State Capitol, Sacramento 95814
Lieutenant Governor of California

Jesse M. Unruh, B.A ..................................................... State Capitol, Sacramento 95814
Speaker of the Assembly

Max Rafferty, A.B., M.A., Ed.D. .......................... 721 Capitol Mall, Sacramento 95814
State Superintendent of Public Instruction

Glenn S. Dumke, A.B., M.A., Ph.D., LL.D., L.H.D ........................................ 5670 Wilshire Blvd., Chancellor of the California State Colleges Los Angeles 90036

APPOINTED TRUSTEES

Appointments are for a term of eight years expiring March 1 on dates in parentheses. Names are listed in order of accession to the Board.

44 Montgomery St., San Francisco 91404

Donald M. Hart, B.A. (1968)
P.O. Box 1556, Bakersfield 93302

9220 Sunset Blvd., Los Angeles 90069

Paul Spencer, B.A. (1969)
1323 La Terracita Drive, San Dimas 91773

Theodore Meriam, A.B. (1971)
P.O. Box 370, Chico 95927

600 Bank of America Bldg., San Jose 95113

Mrs. Philip Conley, B.A. (1972)
3729 Huntington Blvd., Fresno 93702

E. Guy Warren, B.A. (1973)
P.O. Box 59, Hayward 94541

Daniel H. Ridder, B.A. (1967)
604 Pine St., Long Beach 90801

George D. Hart, A.B. (1967)
111 Sutter St., San Francisco 94104

Gregson F. Bautzer, B.A., LL.B. (1968)
190 N. Canon Drive, Beverly Hills 90210

310 Sansome St., San Francisco 94104

10889 Wilshire Blvd., Suite 1550, Los Angeles 90024

Alec L. Cory, B.A., LL.B. (1973)
530 B St., Suite 1900, San Diego 92101

William A. Norris, A.B., LL.B. (1972)
609 South Grand, Los Angeles 90017

1100 67th St., Oakland 94608
OFFICERS OF THE TRUSTEES

Governor Ronald Reagan  
President

Donald M. Hart  
Vice-Chairman

Albert J. Ruffo  
Chairman

Glenn S. Dumke  
Chancellor

OFFICE OF THE CHANCELLOR
OF THE CALIFORNIA STATE COLLEGES

5670 Wilshire Boulevard
Los Angeles, California 90036
213 938-2981

Glenn S. Dumke —— Chancellor
Raymond A. Rydell —— Executive Vice Chancellor
Harry E. Brakebill —— Vice Chancellor, Business Affairs
C. Mansel Keene —— Assistant Chancellor, Faculty and Staff Affairs

CALIFORNIA STATE COLLEGE AT SAN BERNARDINO

ADVISORY BOARD

Earl Wilson, Chairman  
San Bernardino

James E. Cunningham, Sr.  
San Bernardino

Mrs. Don H. (Wilma) Goodcell  
San Bernardino

James K. Guthrie  
San Bernardino

Leroy Hansberger  
Redlands

Leslie I. Harris  
San Bernardino

Hayes Hertford  
Riverside

Henry H. Holder, M.D.  
San Bernardino

Ernest H. Krause  
San Bernardino

Martin Matich  
Rialto
California State College, Dominguez Hills
809 East Victoria Street
Dominguez Hills, California 90247
Leo F. Cain, President
213 532-4300

California State College at Fullerton
800 North State College Boulevard
Fullerton, California 92631
William B. Langsdorf, President
714 871-3300

California State College at Hayward
25800 Hillary Street
Hayward, California 94542
Fred F. Harcleroad, President
415 538-8000

California State College at Long Beach
6101 East Seventh Street
Long Beach, California 90801
Carl W. McIntosh, President
213 433-0951

California State College at Los Angeles
5151 State College Drive
Los Angeles, California 90032
John A. Greenlee, President
213 224-2011

California State College at San Bernardino
5500 State College Parkway
San Bernardino, California 92407
John M. Pfau, President
714 887-6311

California State Polytechnic College
Kellogg-Voorhis
Pomona, California 91766
Robert C. Kramer, President
213 964-6424

California State Polytechnic College, San Luis Obispo
San Luis Obispo, California 93401
Presidency Vacant
805 546-0111

Chico State College
First and Normal Streets
Chico, California 95927
Robert E. Hill, President
916 343-4411

Fresno State College
Shaw and Cedar Avenues
Fresno, California 93726
Frederic W. Ness, President
209 222-5161

Humboldt State College
Arcata, California 95521
Cornelius H. Siemens, President
707 822-1771

Sacramento State College
6000 Jay Street
Sacramento, California 95819
Robert Johns, President
916 454-6011

San Diego State College
5402 College Avenue
San Diego, California 92115
Malcolm A. Love, President
714 286-5000

San Fernando Valley State College
18111 Nordhoff Street
Northridge, California 91326
Ralph Prator, President
213 349-1200

San Francisco State College
1600 Holloway Avenue
San Francisco, California 94132
John Summerskill, President
415 469-9123

San Jose State College
125 South Seventh Street
San Jose, California 95114
Robert D. Clark, President
408 294-6414

Sonoma State College
Rohnert Park, California
Ambrose R. Nichols, President
707 795-2011

Stanislaus State College
800 Monte Vista Avenue
Turlock, California 95380
Alexander Capurso, President
209 634-9101
THE CALIFORNIA STATE COLLEGES

The California State Colleges are a unique development of the democratic concept of tax-supported public higher education for all qualified students. Spanning the state from Humboldt County in the north to San Diego in the south, the 18 campuses of the California State Colleges (with another campus soon to be constructed) represent the largest system of public higher education in the Western Hemisphere and one of the largest in the world. Current enrollment exceeds 157,000 full and part-time students. The faculty and administrative staff numbers approximately 8,000.

The individual colleges, each with a geographic, curricular and academic character of its own, offer a solid basic program in the liberal arts. Beyond this, each college is noted for its individuality in academic emphasis which makes for a diversified system. Course offerings leading to the bachelor's and master's degree are designed to satisfy existing student interests and to serve the technical and professional manpower requirements of the state.

The California State Colleges are dedicated to rigorous academic standards. Constant striving for academic excellence is at the heart of the system. The primary responsibility of each faculty within the system is the instructional process on the teacher-student level, with appropriate recognition of the necessary and constructive role of research in any institution of higher education.

Responsibility for the California State Colleges is vested in the Board of Trustees, which is appointed by the Governor, and the Board's administrative arm, the Chancellor. The Trustees and the Chancellor set broad policy for the colleges while delegating considerable independent responsibility for implementation at the college level. A Statewide Academic Senate, made up of representatives elected by the faculty at each college, acts as a consultative body to the Chancellor in the area of academic affairs.

Although the oldest of the colleges, San Jose State College, dates back a century, the California State College system under an independent Board of Trustees was created by the Donahoe Act of 1960. Formerly, the colleges were under the jurisdiction of the State Board of Education.

Today, the California State Colleges are in a particularly dynamic period of their development. Prior to World War II, there were seven State Colleges with a peak total enrollment of some 13,000. Since 1947, eleven new colleges have been established and a site has been selected for a new college in Kern County. Enrollment in the system is expected to reach 225,000 by 1970.
THE CALIFORNIA STATE COLLEGE
AT SAN BERNARDINO

ADMINISTRATIVE OFFICERS OF THE COLLEGE

President ............................................ John M. Pfau, Ph.D.
Dean of Academic Affairs ......................... Gerald M. Scherba, Ph.D.
Associate Dean, Academic Administration ....... Peter T. Marcy, Ph.D.
Director of Admissions and Records ............. H. Stephen Prouty, M.S.
College Librarian .................................... Arthur Nelson, M.A.
Director of Audio Visual Services ............... L. George Lawrence, B.S.
Chairman, Division of Humanities ............... Jesse Hiraoka, Ph.D.
Chairman, Division of Natural Sciences .......... Ralph Petrucci, Ph.D.
Chairman, Division of Social Sciences .......... Robert R. Roberts, Ph.D.
Chairman, Department of Education .............. Robert L. West, Ed.D.
Chairman, Department of Physical Education .... C. Michael O'Gara, M.S.
Executive Dean ....................................... Joseph K. Thomas, Ed.D.
Building Coordinator ............................... James H. Urata, M.A.
Assistant to Executive Dean ....................... Ben M. Adams, B.S.
Dean of Students .................................... Kenton L. Monroe, Ph.D.
Associate Dean, Activities and Housing .......... G. William Hume, M.A.
Associate Dean, Counseling and Testing ........ John M. Hatton, Ph.D.
Director, Placement and Financial Aid .......... Doyle J. Stansel, M.A.
Director, Student Health Services ............... Samuel M. Plaut, M.D.
Business Manager ................................. Leonard B. Farwell, M.B.A.
Director of Physical Plant ........................ Herbert Brown, M.S.C.E.
Accounting Officer ................................... John Fredericks, B.S.
Personnel Officer .................................... Joseph Jerz, M.A.
Purchasing Officer .................................. R. Joy Robertson, A.A.

THE COLLEGE AND ITS ACADEMIC PROGRAM

The California State College at San Bernardino opened in the fall of 1965 with limited degree programs in a small number of disciplines. In 1967-68 the College will offer undergraduate programs to freshmen, sophomores, juniors, seniors, and credential candidates, and will offer courses leading toward a baccalaureate degree in 14 major areas. Graduate programs will be offered after 1970.

The College has adopted a three-course, three-term academic program. Under such a program, the academic year extends from September to June and is divided into three terms of about eleven weeks each. An equivalent fourth term during the summer will be offered within a few years. The plan differs from the conventional quarter system by limiting to three the number of academic courses taken by any full-time student. In each academic year a student will take a total of nine full-term courses. Thirty-six full-term courses plus three physical education courses are required for graduation. Each full-term course is the equivalent of a conventional five quarter-hour or three and one-third semester-hour course.

Under the three/three plan, each full-term course will normally meet four times a week (laboratory and studio courses are exceptions). The student is thus in class twelve hours per week or the equivalent, instead of the traditional fifteen. Such reduction of classroom time is balanced by increased assignment of written work and greater emphasis on independent study and independent laboratory work.

This academic program is designed to afford the student the opportunity to carry on studies in depth and in breadth, to develop abilities to work independently, and to achieve intellectual growth.
ACCREDITATION
The California State College at San Bernardino is accredited by the Western Association of Schools and Colleges, the official accrediting body for institutions of higher learning in the West.

THE COLLEGE LIBRARY
The Library of The California State College at San Bernardino consists of a general undergraduate collection of 67,000 books and bound periodicals. The Library currently subscribes to 900 periodicals in addition to other serial publications.

SUMMARY OF BACCALAUREATE DEGREE PROGRAMS AND COURSES OF INSTRUCTION *
In the 1967–68 academic year, the College will offer Bachelor of Arts degree programs in the following fields:

Division of Humanities
- Art (for freshmen only)
- English
- French
- Music (for freshmen and juniors only)
- Spanish

Division of Natural Sciences
- Biology (for freshmen, sophomores and juniors only)
- Chemistry (for freshmen and sophomores only)
- Mathematics
- Physics (for freshmen only)

Division of Social Sciences
- Business Administration (for freshmen and sophomores only)
- History
- Political Science
- Psychology (for freshmen and sophomores only)
- Sociology

COLLEGE FOUNDATION
The Foundation of The California State College at San Bernardino, a California non-profit corporation, was established in 1962 for the purpose of promoting and assisting the educational services of the College.

* See page 41 and following for complete information on courses of instruction.
ADMISSION TO THE COLLEGE
ADMISSION TO THE COLLEGE

Requirements for admission to The California State College at San Bernardino are in accordance with Title 5, Chapter 5, Subchapter 2 of the California Administrative Code as amended by the Board of Trustees of the California State Colleges on January 21, 1965. The prospective applicant who is unsure of his status under these requirements is encouraged to consult a school or college counselor or the Office of Admissions at The California State College at San Bernardino.

PROCEDURES FOR ADMISSION

All students, including those attending part-time, are required to matriculate in the following manner:
1. Submit a completed Application for Admission accompanied by the $5 application fee.
2. Have the high school of graduation send a transcript of record directly to The California State College at San Bernardino.
3. Have each college attended (if any) send a transcript of record directly to The California State College at San Bernardino.
4. Submit a completed Statement of Residence (forms obtainable at the Office of Admissions).
5. Submit the scores from the American College Testing Program (ACT).
6. Upon receipt of a letter of admission, submit the health history and physical examination forms to the Student Health Center (forms obtainable at the Office of Admissions).

ENTRANCE EXAMINATIONS

All new lower division students applying for admission to The California State College at San Bernardino who have attempted fewer than 60 semester units (90 quarter units) of college work are required, as part of their application, to submit scores from the American College Testing Program (ACT) examination prior to the first registration at this institution. Students who have completed this test for another institution should arrange to have the results sent to the Office of Admissions and Records, The California State College at San Bernardino, in lieu of taking the test a second time.

The ACT may be taken at testing centers throughout the United States on established national testing dates during the year, or at specially designated testing sessions at The California State College at San Bernardino. Registration forms and Student Information Bulletins are available from your high school counselor or at the Office of Admissions, The California State College at San Bernardino.

ADMISSION AS A FRESHMAN

An applicant who has had no college work will be considered for admission under one of the following five provisions. Except as noted, submission of the results of the American College Test (ACT) is required.

Provision one: California High School Graduates and Residents

An applicant who is a graduate of a California high school or a legal resident for tuition purposes must have a grade point average and a composite on the ACT which provides an eligibility index * placing him among the upper one-third of California high school graduates. The grade point average is based

* For 1967–68 the minimum eligibility index using the ACT test score is 826. It is computed by multiplying grade point average by 200 and adding it to 10 times the composite ACT score.
upon the last three years and does not include physical education or military science. The table below does not cover every case, but gives several examples of the test score needed with a given grade point average to be eligible for admission. Each applicant’s eligibility will be computed by the College.

<table>
<thead>
<tr>
<th>Grade Point Average</th>
<th>Score Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.21 and above</td>
<td>Eligible with any score</td>
</tr>
<tr>
<td>2.80</td>
<td>19</td>
</tr>
<tr>
<td>2.40</td>
<td>27</td>
</tr>
<tr>
<td>2.00</td>
<td>35</td>
</tr>
<tr>
<td>1.99 and below</td>
<td>Not eligible</td>
</tr>
</tbody>
</table>

Provision two: Non-Residents Graduating from High Schools in Other States or Possessions

An applicant who is a non-resident for tuition purposes and who is a graduate of a high school in another state or a U.S. possession must have an eligibility index which would place him among the upper one-sixth of California high school graduates for 1966–67. The eligibility index is based on the grade point average and the entrance examination score. It is calculated by the College.

Provision three: Graduates of High Schools in a Foreign Country

An applicant who is a graduate of a foreign high school must have preparation equivalent to that required of eligible California high school graduates. The College will carefully review the previous record of all such applicants, and only those with promise of academic success equivalent to that of eligible high school graduates will be admitted. Such applicants are not required to take the ACT.

Provision four: Non-High School Graduates

An applicant who is over 21 years of age but who has not graduated from high school will be considered for admission only when his preparation in all other ways is such that the College believes his promise of academic success is equivalent to that of eligible California high school graduates.

Provision five: Other Applicants

An applicant not admissible under one of the four above provisions should enroll in a junior college or other appropriate institution. Only under the most unusual circumstances will such applicants be permitted to enroll in the College. Permission is granted only by special action of the College.

ADMISSION OF FOREIGN STUDENTS

At the present time, the College usually does not accept foreign student applicants directly from foreign countries where English is not the native language. Foreign students will normally be accepted who have completed a two-year transfer program in a junior college in the United States with a good academic record.

ADVANCED PLACEMENT FOR ENTERING STUDENTS

The College grants advanced credit to students who have obtained a score of 3, 4, or 5 on the Advanced Placement Tests given by the College Entrance Examination Board. For information on taking advanced placement examinations, students should consult their high school counselors or the Office of Admissions and Records of the California State College at San Bernardino.
ADMISSION TO THE COLLEGE

CLASSIFICATION IN COLLEGE
Undergraduate students who have completed fewer than 9 full-term courses (0 to 44 quarter hours) are classified as freshmen, 9 to 18 full-term courses (45 to 89 quarter hours) as sophomores, 18 to 27 full-term courses (90 to 134 quarter hours) as juniors, and more than 27 full-term courses (135 quarter hours or more) as seniors.

RECOMMENDED HIGH SCHOOL PREPARATION
Overall excellence of performance in high school subjects and evidence of academic potential provide the basis for admission to The California State College at San Bernardino. While no specific course pattern is required, the applicant, to be properly prepared to undertake a full program of studies, is strongly encouraged to include the following subjects in his high school program:

1. College preparatory English.
2. Foreign language.
3. College preparatory mathematics.
4. College preparatory laboratory science.
5. College preparatory history and/or social science.
6. Study in speech, music, art, and other subjects contributing to general academic background.

ADMISSION AS AN UNDERGRADUATE TRANSFER STUDENT
Any applicant who has attempted college work will be considered for admission under one of the following provisions (A through C below). An applicant must report all college work attempted (including extension and correspondence courses) no portion of which may be disregarded in transferring. An applicant disregarding this regulation will be subject to dismissal from the College.

A: Applicants with 60 or More Semester Units
An applicant who has completed 60 or more semester units or the equivalent will be admitted if he has achieved a grade point average of 2.0 (C) on all college work attempted and he was in good standing at the last college attended.

B: Applicants With Fewer Than 60 Semester Units
An applicant who has completed fewer than 60 semester units or the equivalent may be admitted if he meets the above requirements and he meets requirements currently in effect for first-time freshmen or, if he has been in full-time continuous enrollment at a college since his graduation from high school, he meets the requirements in effect for first-time freshmen at the time of his high school graduation.

C: Junior College Credit
No unit credit will be allowed for course work taken at a junior college after the student has earned a total of 70 semester units of junior college credit. No upper division credit may be allowed for courses taken in a junior college. No credit may be allowed for professional courses in education taken in a junior college, other than an introduction to education course.

ADMISSION ON ACADEMIC PROBATION
An applicant with advanced undergraduate standing who does not meet the requirements stated above is eligible for admission on probation, if in the opinion of the proper college authorities, he is likely to succeed in college.

Ordinarily, consideration for probationary admission is granted only to the mature applicant who, while his total college record does not meet the admission requirements, has demonstrated sufficient academic ability through college work recently completed elsewhere.
Applicants who are admitted with a grade point deficiency are given probationary status and are expected to remove the entrance deficiency during the first year at The California State College at San Bernardino. A student admitted on probationary status may be restricted by his advisor to a limited program.

TRANSFER OF CREDIT

The Office of Admissions and Records will evaluate previous college work to determine its applicability to the requirements of The California State College at San Bernardino. All degree and credential candidates will be issued a Credit Summary, indicating which requirements remain unfilled. Once issued to a student, the Credit Summary remains valid as long as the student matriculates at the date specified, pursues the objective specified, and remains in continuous attendance. The student will not be held to additional graduation requirements unless such requirements become mandatory as a result of changes in the California Administrative Code or the California Education Code.

Credit for work completed at accredited institutions will be accepted toward the satisfaction of degree requirements at The California State College at San Bernardino within limitations of residence requirements, junior college transfer maximums, and course applicability.

CREDIT FOR EXTENSION AND CORRESPONDENCE COURSES

The maximum amount of extension and correspondence credit which may be allowed toward the bachelor's degree is three full-term courses or 15 quarter hours.

ADMISSION AS AN AUDITOR

Qualified persons who wish to audit courses must meet all admission requirements and must obtain a Permit to Register by presenting to the Office of Admissions and Records written authorization from the instructors of the courses to be audited. Auditors are required to pay the usual fees. Students registered as auditors may not apply for credit in such courses after the last day to add courses.

Students enrolled in classes for credit may not become auditors in such classes after the last day to drop classes.

ADMISSION TO TEACHING CREDENTIAL PROGRAMS

Admission to the College as a student does not constitute admission to a teaching credential program. Students who intend to work toward credentials must make application to the Department of Education of the College.

CANCELLATION OF ADMISSION

A student who is admitted to the College for a given term but who does not register in that term will have his admission cancelled. The student must file a new application form when he again seeks admission and must meet the then current admission requirements.

READMISSION OF FORMER STUDENTS

Students in good standing may be readmitted to the College after an absence of more than one term by filing a new Application for Admission. Students who have attended another institution since their last attendance at The California State College at San Bernardino must have a transcript of record from that institution sent directly to the Office of Admissions and Records.
ADMISSION TO THE COLLEGE

READMISSION OF PREVIOUSLY DISQUALIFIED STUDENTS

A disqualified student will be required to remain out of college for one term following the end of the term for which he was disqualified. During that term in which he is not in attendance, the student may petition to the Admissions and Academic Standards Committee for readmission. All petitions for readmission must be submitted to the Office of Admissions and Records no later than the Monday of the week prior to the week in which registration for the following term takes place.

ADMISSION OF UNCLASSIFIED GRADUATE STUDENTS

General Qualifications

Applicants may be considered for admission to unclassified graduate standing at The California State College at San Bernardino if they (1) possess a baccalaureate degree or its equivalent from an accredited college or university, (2) are in good standing in the last college or university attended, and (3) have maintained a minimum "C" average in all postgraduate work taken.

Unclassified Graduate Status

Upon admission to candidacy, not more than four courses taken in unclassified graduate standing will be accepted in partial fulfillment of requirements for a graduate degree or an advanced credential. Such units will be accepted only upon approval of a graduate advisor. There are two types of unclassified graduate status:

(1) Course Objective Only. Students who wish only to undertake courses (course objective only) at the College with a professional growth objective, but not with an objective of a graduate degree or teaching credential, may be considered for admission with graduate standing when they meet the requirements specified in the General Qualifications, above.

(2) Elementary or Secondary Teaching Credential Objective. A student interested in working toward a standard elementary or secondary teaching credential at The California State College at San Bernardino must meet the General Qualifications, above. In addition he must submit all required college transcripts to the Office of Admissions to initiate consideration for acceptance into the appropriate credential program. The Office of Admissions will determine if the student is admissible to the College as an unclassified graduate student and will admit the student provisionally to the credential program of his choice. The student will be required after admission to the College to meet the particular requirements for participation and formal acceptance in the credential program as specified by the appropriate instructional area. All credential candidates must have maintained a minimum 2.5 grade point average in undergraduate course work in their major field.

Admissions Procedures. Each applicant must:

1. Submit an application for admission; $5 application fee, except for currently enrolled students, and Statement of Residence form.

2. All unclassified graduate students working for teaching credentials must file two complete official sets of all college transcripts. Composite transcripts cannot be accepted. Unclassified (course objective only) students must file an official transcript indicating evidence of an earned baccalaureate or higher degree from an accredited college or university. All graduate students are urged to have a personal set of transcripts which they can take to their advising sessions each semester.
SCHEDULE OF FEES
SCHEDULE OF FEES

The regular fees of the College are given below. Students are required to pay registration fees at registration. The non-resident tuition fee is required of all students who have not been legal residents of the State of California for one year immediately preceding the date of enrollment. Checks will be accepted at registration only for the amount of fees due. Fees are subject to change by action of the Trustees of The California State Colleges. Tuition is not charged to legal residents of California.

All Students:
- Application fee (non-refundable) $5.00
- Associated Students fee (more than one full-term course) $6.50
- Associated Students fee (one full-term course or less) $3.00

Residents of California:
- Material and service fee (over 6 units) $30.00
- Material and service fee (6 units or less) $15.00

Note: Tuition payable by non-residents and foreign-visa students is in addition to fees required of other students.

Non-residents:
- Tuition (15 or more units) maximum $240.00 per unit $16.00

Foreign-visa students as prescribed by regulations:
- Tuition (15 or more units) maximum $85.00
- Tuition (less than 15 units) per unit for the first 14 units $5.75
- Tuition (15th unit) for the 15th unit $4.50

Summer Session Fee
- Per quarter hour $13.25

Special fees:
- Credential Fee $10.00
- Late registration $5.00
- Change of program after filing date $1.00
- Failure to meet required appointment or time limit $2.00
- Late filing of student program or application for degree or credential $2.00
- Parking Fees (academic year)
  - Regular student $27.00
  - Limited student $12.00
- Two-wheeled vehicle 25% of regular or limited student fee
- Each alternate in addition to first vehicle $3.00
- Summer session $5.00
- Check returned for any cause $2.00
- Transcript of academic record (first copy free) $1.00

* All applications for admission beginning December 1, 1967 shall pay an application fee in the amount of ten dollars.

ALL FEES ARE SUBJECT TO CHANGE BY THE TRUSTEES OF THE CALIFORNIA STATE COLLEGES
REGISTRATION
REGISTRATION REQUIREMENTS

Students who have been admitted to the College are required to register each term at announced times and locations. Registration is not official until fees have been paid. No student may attend classes until his registration has been completed. A number of Academic Regulations related to registration are listed below. All students should become familiar with them as well as other pertinent portions of the college catalog.

STATEMENT OF RESIDENCE

Prior to registration each student must complete a Statement of Residence. A student in continuous attendance during successive terms is not required to file a Statement of Residence after the initial filing. Any break in attendance of more than one term does, however, require the filing of a new Statement of Residence.

LATE REGISTRATION

The last day for late registration each term will be announced in the “Class Schedule”. The “College Calendar” in the front of this catalog lists the registration dates. Late registrants will find themselves handicapped in arranging their programs and must pay a $5.00 late registration fee.

CHANGE OF REGISTRATION

Each student is responsible for the program of courses for which he registers. Changes may not be made thereafter without the filing of a Change of Program form in the Office of Admissions and Records. All applications for courses dropped or added incur a $1.00 Change of Program fee.

CONCURRENT ENROLLMENT

A student enrolled at The California State College at San Bernardino may enroll concurrently for additional courses at another institution only with advance written approval from the Dean of Academic Affairs.

In the event that a student fails to receive approval for subsequent concurrent enrollment or fails to report his concurrent enrollment, credit for courses taken that term at this College will be withheld.

FULL-TIME–PART-TIME ENROLLMENT

Students registered for three full-term courses (exclusive of physical education) are considered to be full-time students. Part-time students are those registered for fewer than three full-term courses (exclusive of physical education).
GENERAL INFORMATION
AND
REGULATIONS AND REQUIREMENTS

NOTE: ALL ANNOUNCEMENTS HEREIN ARE SUBJECT TO REVISION WITHOUT PREVIOUS NOTICE
ADVISORY SYSTEM

Every student is assigned a faculty member as an advisor immediately upon entrance into the College. In general, the student's faculty advisor is a specialist in the area of the student's major interest. Other advisors are provided for those students who have not yet chosen a major field of concentration.

In addition to such academic counseling, specialized counseling in vocational and personal matters is available in the Office of the Dean of Students. See "Counseling."

SCHOLARSHIP REQUIREMENTS

(a) A grade point average of 2.0 (C) or better is required on all units attempted, including those accepted by transfer from another institution.

(b) A grade point average of 2.0 (C) or better is required on all units in the major.

(c) A grade point average of 2.0 (C) or better is required on all units attempted at The California State College at San Bernardino.

GRADING SYSTEM

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A—Excellent</td>
<td>4 points</td>
</tr>
<tr>
<td>B—Good</td>
<td>3 points</td>
</tr>
<tr>
<td>C—Average</td>
<td>2 points</td>
</tr>
<tr>
<td>D—Passing</td>
<td>1 point</td>
</tr>
<tr>
<td>F—Failure</td>
<td>0 points</td>
</tr>
<tr>
<td>FW—Failed, withdrew</td>
<td>0 points</td>
</tr>
<tr>
<td>CR—Credit</td>
<td>no points</td>
</tr>
<tr>
<td>I—Incomplete</td>
<td>no points</td>
</tr>
<tr>
<td>W—Withdraw</td>
<td>no points</td>
</tr>
</tbody>
</table>

GRADES FOR WITHDRAWAL

If a student withdraws from a class before the "last day to withdraw..." (see the "College Calendar") no grade will be recorded. Thereafter, the grade assigned will be: "W" if the student is passing at the time he withdraws, "FW" if the student is failing at the time he withdraws. See "Withdrawal from College" for an explanation of the procedure for withdrawal.

ACADEMIC PROBATION AND DISQUALIFICATION

A student shall be placed upon probation if his grade point average falls below a 2.0 (C) average.

A student shall be removed from probation and restored to good standing when he earns a cumulative grade point average of 2.0 (C) in all work attempted at the College.

A student on probation shall be disqualified for readmission when:

(a) As a lower division student (fewer than 90 quarter hours of college work completed) he falls 23 or more grade points below a 2.0 (C) average on all units attempted.

(b) As a junior (90 to 134 quarter hours of college work completed) he falls 14 or more grade points below a 2.0 (C) average on all units attempted.

(c) As a senior (135 or more quarter hours of college work completed) he falls 9 or more grade points below a 2.0 (C) average on all units attempted.
STUDENT COURSE LOAD

A student is normally permitted to enroll in a maximum of three full-term courses (the equivalent of 15 quarter hours). During terms in which physical education is included, a student may be enrolled in four courses (the equivalent of 17 quarter hours). Students may exceed these maximums only if they give promise of high academic achievement and only with the written approval of their Division Chairman and the Dean of Academic Affairs.

REPETITION OF COURSES

When a course is repeated, the units and grade points of both the repetition and the original course are included in the grade point average. When a course is repeated, where the original grade was passing, the repetition will carry no subject or unit credit toward a degree. Grade point deficiencies incurred by courses completed at The California State College at San Bernardino may not be made up by courses taken at other colleges.

CLASS ATTENDANCE REGULATIONS

Class attendance is expected of all students enrolled at the College. The instructor in each course sets the standard he expects his students to meet in this regard. There are no excused absences.

LEAVE OF ABSENCE

A student who expects to be absent from the College for two weeks or more should apply to the Office of the Dean of Students for a leave of absence. Should the absence be for the remainder of a term, a withdrawal should be obtained.

Where such absence is caused by illness, a student must report to the Health Center upon return to the College.

RESIDENT REQUIREMENT

A minimum of nine full-term courses (45 quarter hours) must be completed at this College. At least four full-term courses (20 quarter hours) must be completed among the last six such courses (or 30 quarter hours) counted toward the degree.

Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.

WITHDRAWAL FROM COLLEGE

Students who wish to withdraw from the College must complete a “Withdrawal from College” card. No student may withdraw after the date shown on the College Calendar as the last day of classes. (See “Grading System” and “Grades for Withdrawal” for an explanation of grades pertinent to withdrawal from the College.)

WRITTEN ENGLISH PROFICIENCY

Demonstration of written English proficiency (by examination or exemption) is required of all upper-classmen, normally in their junior year. Students who fail to pass such an examination or to qualify for exemption from such an examination will not be approved for graduation by the College.

Deficiency in writing ability may be regarded as sufficient reason for failure in any course in which the deficiency is apparent.

FOREIGN LANGUAGE COMPETENCY

Each field of major concentration in the College requires foreign language competency as a prerequisite to graduation.

Students are directed to the announcement of each departmental program for a description of specific departmental foreign language requirements.
FINAL EXAMINATIONS

Written examinations of two hours' duration are held at the close of each term. In courses extending over more than one term, the examination in the concluding term may also cover work done in the preceding term or terms. The schedule for final examinations is established by the Registrar. Examinations may not be given before or after the scheduled period nor may the time of an examination be changed without authorization by the Dean of Academic Affairs. Permission to take a final examination with a different section in the same course may be granted by the Dean of Academic Affairs with the consent of the instructors concerned. Failure to take or to pass any final or other course examinations will result in such deficiencies as instructors may impose.

CREDIT BY EXAMINATION

A student may petition to receive course credit by examination. Proficiency examinations in a course are offered during the second week of each term in which that course is offered. Students are encouraged to take proficiency examinations, especially in courses required for freshmen and sophomores.

No fee is charged for these examinations. A student who passes a proficiency examination is given credit toward graduation, provided that this does not duplicate credit counted for his admission to the College. The grade in the proficiency examination is "pass" or "fail", but no student is given a grade of "pass" unless he has made at least "C" in the examination. No official record is made of failures in these examinations, and grades received on proficiency examinations are not considered in computing averages.

Proficiency examinations are given under the following restrictions:
1. They may be taken only by persons (a) who are in residence or (b) who are candidates for degrees and need no more than four full-term courses to complete the requirements for their degrees.
2. They may not be taken by students who have received credit for work in the subject in advance of the course in which the examination is requested.
3. They may not be taken to raise grades or to remove failures in courses.
4. Credit for no more than twelve full-term courses may be received through such examinations.
5. A student may repeat an examination for credit only upon approval of the Dean of Academic Affairs.

Exact times and places of proficiency examinations are announced by the departments concerned. Students who wish to take a proficiency examination should consult the departmental office well in advance of the examination.

COMPREHENSIVE EXAMINATIONS

Each student is required to pass a comprehensive examination in his field of major concentration, as a prerequisite to the degree. The examination is taken during the senior year.

The examination is designed to encourage the student to synthesize the material of his major field; it is not necessarily related to specific course work undertaken by the student. The examination may be written or oral or both, and may be conducted by examiners from other institutions.

Students who fail to pass the comprehensive examination may be given a second opportunity.

READING PROGRAM

The College Reading Program is designed to further encourage independent reading and study by all students and to generate collegewide interest in contemporary intellectual issues.
Under the reading program, all students read and are examined on one or more books during each term. As a prerequisite to graduation, students are required to pass reading program examinations in two-thirds of the terms in which they are in full-time attendance (requirements for part-time students are adjusted proportionately).

PHYSICAL EDUCATION

One year (three terms) of physical education is required of all students, usually in the first year of attendance. A student will be excused from the physical education requirement who files a statement with the Office of the Dean of Academic Affairs that the course is contrary to his religious beliefs.

GRADE OF INCOMPLETE

In order to receive a final grade in the course, a student who receives a grade of Incomplete must complete remaining requirements in the manner and by a time acceptable to the instructor, but not later than the close of the next regular term in which the student is enrolled in the College. A student may petition the Dean of Academic Affairs to be exempt from this proviso.
REQUIREMENTS FOR DEGREES
UNDERGRADUATE DEGREE REQUIREMENTS

To be eligible for the bachelor of arts degree, a student must:

1. Complete a minimum of 36 full-term courses plus 3 terms of Physical Education, the equivalent of 186 quarter hours of college credit.

2. Complete a minimum of 18 full-term courses in General Studies which shall be distributed in the following manner:
   a. Freshman Composition ........................................ 2 full-term courses
   b. Natural Sciences (including Mathematics) .................. 5 full-term courses
   c. Humanities .................................................... 4 full-term courses
   d. Social Sciences ................................................ 6 full-term courses
   e. General Studies Senior Seminar ............................. 1 full-term course

3. Complete all requirements for a major, including at least four upper-division courses in the major.

4. Complete at least nine full-term courses (45 quarter hours) at this College.

5. Complete at least 60 quarter hours of upper-division work (12 courses).

6. Earn a grade point average of 2.0 (C) or better in all units attempted here and elsewhere.

7. Meet the requirements of the College Reading Program, the Junior English Proficiency Examination, and the Senior Comprehensive Examination.

8. Be recommended for graduation by the faculty of the College.

A candidate for graduation should request a Graduation Requirement Check at the Office of Admissions and Records by the dates indicated in the “College Calendar.” No Graduation Requirement Check should be requested unless and until the senior has completed 30 full-term courses (150 quarter hours), including the current work in progress. If the candidate does not complete the requirements in the term indicated, he must request a second Graduation Requirement Check indicating the new date at which he expects to graduate.
COURSES OF INSTRUCTION
COURSES OF INSTRUCTION, 1967–68

The departments of instruction follow the section "General Studies" and are arranged in alphabetical order.

PREREQUISITES

These are stated either in terms of class standing in the College or successful completion of certain preliminary courses.

DIVISIONS OF THE COLLEGE

For purposes of administration, the instructional areas of the College are grouped into three Divisions as follows:

- **Humanities**: Art, Drama, Foreign Languages, Music, Philosophy
- **Natural Sciences**: Biology, Chemistry, Geography, Geology, Mathematics, Physics
- **Social Sciences**: Business Administration, Economics, History, Psychology, Political Science, Sociology-Anthropology

In addition, courses of instruction are offered in the following Departments:
- Physical Education
- Education

COURSE NUMBERING SYSTEM

The "full-term course" is the unit of measurement of academic credit at The California State College at San Bernardino. For purposes of comparison with other colleges, a full-term course matches or exceeds the standards required of a conventional 5 quarter-hour course or a 3 1/3 semester-hour course.

- 1–99......Non-credit courses
- 100–299......Lower division course designed primarily for freshmen and sophomores
- 300–499......Upper division courses
- 500–599......Courses for upper division and graduate students

EVENING CLASSES

Classes offered in the late afternoon or evening are part of the regular college instructional offerings. They carry equal credit and have equal requirements. Students whose time for study is limited by work or other outside activities should remember that each college course constitutes one-third of a full load.

NOTE: All information and announcements herein are subject to change without notice. All students should consult the "Class Schedule" issued before each term to determine precisely what courses will be available that term.
The General Studies program was devised to provide all graduates with a common understanding of the major fields of knowledge. For this, the College has designed a series of broad, general courses that span many fields and offer fundamental materials and ideas in the natural sciences, the social sciences, and the humanities.

The General Studies courses are planned to complement the specialized interests a student may elect to pursue in his field of major concentration. General Studies courses begin in the freshman year and continue through all four undergraduate years, culminating in the General Studies Senior Seminar.

The General Studies Senior Seminar is designed to help the student develop powers of investigation, analysis, and interpretation. Each student is obliged to select his General Studies Senior Seminar from among offerings of an academic division other than that of his major field of concentration.

**LOWER DIVISION**

**G.S. 101. Freshman Composition I**

The first course in a two-course sequence in writing. Analytical study of the language and structure of prose is undertaken in order to help students develop a clear, mature, and flexible expository style. Frequent writing is required.

**G.S. 102. Freshman Composition II**

A continuation of G.S. 101. Prerequisite: G.S. 101 or the equivalent.

**G.S. 110. Principles of Biology I**

First term of a two-term General Studies lecture and laboratory course which examines the nature, organization, and evolution of living systems.

**G.S. 111. Principles of Biology II**

A continuation of G.S. 110.

**G.S. 120. Principles of Physical Science I**

A General Studies lecture and laboratory course dealing with basic concepts of physical science such as motion, force, and energy.

**G.S. 121. Principles of Physical Science II**

A General Studies lecture and laboratory course which presents a historical development of theories concerning the nature of matter, with applications to chemical systems.

**G.S. 122. Foundations of Physical Science I**

An elective alternate to G.S. 120 with a more advanced treatment of basic concepts and theories for students with a strong background in science and mathematics. The major areas of study are mechanics, kinetic theory, and astronomy. Prerequisite: Mathematics 210 or equivalent, or concurrent enrollment.

**G.S. 123. Foundations of Physical Science II**

An elective alternate to G.S. 121 which features an examination in depth of the structure of matter and the nature of chemical reactions. Prerequisite: Two years of high school science and three years of high school mathematics, or consent of instructor.

**G.S. 130. The Ideas of Mathematics**

A one-term General Studies course which traces the development of mathematical ideas, and the impact of mathematical thought on our culture.
G.S. 140. World Civilizations I, the Rise of Civilization
A General Studies survey of the activities of man from the beginnings through the rise and diffusion of civilization in the era of Middle Eastern dominance to about 500 B.C.

G.S. 142. World Civilizations II, the Civilizations of the East and West
A General Studies survey of the major achievements of the great civilizations from the flowering of Greek culture to the close of the Middle Ages in Europe.

G.S. 144. World Civilizations III, the Expansion of Europe
A General Studies survey of the rise to dominance of the European states and their impact throughout the world, 1500 A.D. to the present.

G.S. 146. American Civilization
A General Studies history of the United States as it emerged from colonial status to the present time. This course meets the State Code requirement in United States History, Constitution, and American ideals.

G.S. 150. Contemporary Civilization I
A General Studies course that describes and analyzes the political and economic systems and institutions of modern society and the issues confronting these. This course meets the State Code requirement in California state and local government.

G.S. 160. Contemporary Civilization II
A General Studies course that interprets contemporary society in the light of the knowledge and theories of sociology, anthropology, and psychology. This course meets the State Code requirement in Psychology.

G.S. 170. Studies in Literature
A General Studies course analyzing the forms and content of literature.

G.S. 180. Studies in Music
A General Studies course exploring the elements of music and the nature of meaning and musical style, with emphasis on listening and analysis.

G.S. 190. Studies in Philosophy
A General Studies introduction to the analysis of philosophic problems centered on things done, things known, and things made. Intensive group discussion is based on selections from Greek, medieval, early modern, and contemporary philosophers.

G.S. 200. Studies in Art
A General Studies course exploring the form and content of art.

UPPER DIVISION

G.S. 401. Senior Seminar: Utopia: The Idle Dream?
A study of the nature of utopias, the circumstances fostering their conception, and the extent to which purpose, deceit, and desire go into their making. Offered by the Division of Humanities.

G.S. 402. Senior Seminar: The Search for Conformity or Individuality
A study, through reading fiction and non-fiction, of the significance and responsibilities inherent in being an individual and of certain aspects of conformity and its slight rewards. Offered by the Division of Humanities.
G.S. 403. Senior Seminar: Technology Versus the Pastoral Ideal in American Literature

A study of the impact of industrialism on the American ethos as seen in such representative works of fiction and non-fiction as *Walden*, *The Gilded Age*, *Huckleberry Finn*, *The Education of Henry Adams*, *The Octopus*, *The Machine in the Garden*, and *The American Adam*. Offered by the Division of Humanities.

G.S. 404. Senior Seminar: Assumptions, Methods, and Problems in the Natural and Social Sciences

Analysis of some typical twentieth-century works in the natural and social sciences in order to examine such problems as moral relativism in anthropological literature, Freud and psychoanalytic explanations of art and religion, mechanical technique and creative invention in mathematics, and theories of evolution. Offered by the Division of Humanities.

G.S. 405. Senior Seminar: Creative Man

A study of the processes of creativity, explored through reading, discussion, experimentation, and examination of relevant examples from the arts. Offered by the Division of Humanities.

G.S. 406. Senior Seminar: The Limitations of Science

A study of the scope and limitations of science, including discussions of the present attitudes of society toward science, the limitations inherent in the scientific method, the economic limitations of science, and the limitations of science due to the nature of man. Offered by the Division of Natural Sciences.

G.S. 407. Senior Seminar: Biological Basis of Social Behavior

An inquiry into the various kinds of animal groups and their significant characteristics. A wide variety of social traits and processes shared by animals and man will be examined. Offered by the Division of Natural Sciences.

G.S. 408. Senior Seminar: Human Values in a Scientific Age

A study of the effect of science on human values, including consideration of problems caused by the machine age and rapid scientific growth as well as possible solutions. Offered by the Division of Natural Sciences.

G.S. 409. Senior Seminar: Probability, Indeterminacy, and Relativity

An inquiry into the concepts of probability, indeterminacy, and relativity and how they have radically altered ideas about the nature of the universe and man's ability to understand events in the universe. Offered by the Division of Natural Sciences.

G.S. 410. Senior Seminar: Development of the Mathematical and Physical Sciences

An examination of the history of major scientific developments in mathematics, chemistry, and physics, including examination of the foundations and present assumptions of modern science. The growth and importance of mathematics to science is stressed. Not recommended for students who lack Mathematics 210 or its equivalent. Offered by the Division of Natural Sciences.

G.S. 411. Senior Seminar: The American Worker in an Affluent Society

An historical analysis of the role of the American working man and woman in this society since 1900, with emphasis on the problems of labor unions in crisis and success and the changing status of the worker in America. Offered by the Division of Social Sciences.
G.S. 412. Senior Seminar: Peasant Cultures in the Modern World
An intensive study of village life in the developing countries, with special refer­ence to their increasing involvement in the “revolution of rising expectations” and the new national, social, political, and economic movements. Offered by the Division of Social Sciences.

G.S. 413. Senior Seminar: Class Conflict in American History
An examination of various views of the role of class conflict in American history, including consideration of the relative importance of conflict and consensus which is at the core of many interpretive disagreements in American historiography. The course will test the Marxist interpretation of American history while covering the various class conflicts in American society from colonial times to the present. Offered by the Division of Social Sciences.

G.S. 414. Senior Seminar: Major Political Parties in the United States
An examination of the strengths and weaknesses, the changes and continuities, that have characterized the American two-party system since its inception. This course will stress how the two-party system, which was not foreseen by the framers of the Constitution, has molded American historical development. Offered by the Division of Social Sciences.

G.S. 415. Senior Seminar: The Machine and Man
The study of the effects of the machine on man in his many facets: social, political, and economic. Based on the English experience, the sources will include novels, histories, and sociological tracts. Offered by the Division of Social Sciences.

G.S. 416. Senior Seminar: U.S. National Security
A study of approaches employed by various disciplines in the social sciences, including a survey of the literature of games theory, as applied to military and diplomatic problems among nations, with particular attention to U.S. national security policy. Offered by the Division of Social Sciences.

G.S. 417. Concepts of Twentieth Century Physics
An elementary presentation of topics in modern physics such as elementary particles, nuclear energy, space physics and quantum theory. Offered by the Division of Natural Sciences.

G.S. 418. Senior Seminar: Frontiers in Science
A presentation of the ideas, concepts and discoveries of science that are currently unfolding. Major advances in several disciplines of science and their border areas, such as the molecular basis of heredity, evolution of the elements and the universe and new chemical materials will be discussed. Offered by the Division of Natural Sciences.

G.S. 419. Myth, Metaphor, and Symbol
A study of modes of expression in the natural sciences, the social sciences, and the arts. Offered by the Division of Humanities.
MAJOR FIELDS OF STUDY

Work in a major field of study is designed to afford each student the opportunity to engage in intensive study of a discipline.

Not later than the beginning of the junior year, each student shall select one or more specialized areas in which he wishes to concentrate. Thereafter his program will be supervised by an advisor from his chosen major department.

Major programs are available in 1967-68 in the fields listed below. Students are required to complete not less than eight full-term courses in their major field, including at least 4 upper division courses, and to pass the Senior Comprehensive Examination in the major of their choice.

DIVISION OF HUMANITIES

Art (for freshmen only) 16
English 35
French 16
Music (for freshmen and juniors only) 25
Spanish 15

DIVISION OF NATURAL SCIENCES

Biology (for freshmen, sophomores and juniors only) 9
Chemistry (for freshmen and sophomores only) 8
Mathematics 24
Physics (for freshmen only) 3

DIVISION OF SOCIAL SCIENCES

Business Administration (for freshmen and sophomores only) 7
History 33
Political Science 22
Psychology (for freshmen and sophomores only) 8
Sociology 18 41 24
Art

Requirements for the major: Twelve courses in Art, including Art 252, 253, 254, 300, 310, 320, 330, 352, 353, 452, 453, 470, or 480.

The major in Art requires the completion of three full-term courses in a foreign language or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

**LOWER DIVISION**

252. Drawing and Painting I
Introduction to basic drawing and painting techniques involving various media.

253. Drawing and Painting II
Continuation of Drawing and Painting I.

254. Spatial Design
Introduction to three-dimensional design.

**UPPER DIVISION**

300. History of Art I
The history and development of styles and procedures in art from prehistoric times through the Middle Ages.

310. History of Art II
The history and development of styles and procedures in art from the proto-Renaissance period in Italy through the rise of French Impressionism. Prerequisite: Art 300 or consent of instructor.

320. History of American Art
The development of American Art from the Colonial period to the present day. Significant examples from the field of architecture, sculpture, painting, and the minor arts.

330. Contemporary Art
The development and significance of contemporary art in the Western World. Prerequisite: Art 300 and 310, G.S. 200 or equivalent.

352. Advanced Painting I
Advanced painting theory and practice with emphasis on personal expression. Prerequisite: Art 252 or consent of instructor.

353. Advanced Painting II
Continuation of Advanced Painting I. Prerequisite: Art 352 or consent of instructor.

425. Directed Individual Study
One or two quarter units of credit by arrangement. Requires prior approval of division or department chairman, and consent of instructor. Can be taken for credit once.

452. Sculpture I
Introduction to sculptural techniques involving various media. Prerequisite: consent of instructor.

453. Sculpture II
Continuation of Sculpture I. Prerequisite: consent of instructor.
470. Specialized Studio Projects
Specialized study and experimentation based upon individual abilities and preferences. Prerequisite: consent of instructor.

480. Ceramics
Procedures of hand building, throwing, slip casting, jiggering, and glazing as practiced by the studio potter and the ceramic sculptor. Prerequisite: consent of instructor.

550. Colloquium in Art
Inquiry into the nature and problems of art history, aesthetics and art criticism. Prerequisite: Art 300, 310, 320 and 330 or equivalent.
470. Specialized Studio Projects
   Specialized study and experimentation based upon individual abilities and preferences. Prerequisite: consent of instructor.

480. Ceramics
   Procedures of hand building, throwing, slip casting, jiggering, and glazing as practiced by the studio potter and the ceramic sculptor. Prerequisite: consent of instructor.

550. Colloquium in Art
   Inquiry into the nature and problems of art history, aesthetics and art criticism. Prerequisite: Art 300, 310, 320 and 330 or equivalent.
Biology

Requirements for the major: Ten courses in Biology including Biology 203, 301 or 302, 401, 403, 405, 407 and 409. Two courses in Mathematics selected from Mathematics 101, 150, 210 and 211; Chemistry 202, 301 and 302; Physics 102. Students may substitute one or two courses in a related discipline for Biology courses not specified above with the consent of the departmental advisor.

The major requires two full-term courses in a foreign language or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

Biology majors should fulfill their General Studies physical science requirement by electing G.S. 122 or G.S. 120, and G.S. 123.

LOWER DIVISION

203. Biology of the Protista and Higher Plants
A survey of the major structural and physiological features in the evolution of protista and plants. Lectures and laboratory. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.

UPPER DIVISION

301. Biology of the Invertebrates
The evolution of the invertebrate phyla with emphasis on major phylogenetic changes. Lectures and laboratory. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.

302. Biology of the Chordates
Consideration of structural, physiological and ecological changes in the evolution of the chordate groups. Lectures and laboratory. Prerequisite: G.S. 110 or G.S. 111 or their equivalent.

401. Cell and Molecular Biology
Introduction to cellular and molecular physiology with emphasis on the relationship of structure and function. Lectures and laboratory. Prerequisite: G.S. 110 and G.S. 111.

403. Genetics
Principles of classical and modern genetics including an introduction to population genetics. Lectures and laboratory. Prerequisite: G.S. 110 or G.S. 111.

405. Comparative Physiology
A comparative analysis of the physiological mechanisms and processes of organisms with emphasis upon trends of evolutionary specialization. Lectures and laboratory. Prerequisite: G.S. 110 and G.S. 111, Chemistry 302.

407. Principles of Development
A comparative analysis of patterns and processes of development in organisms, with emphasis upon the role of genetic and biochemical mechanisms. Lectures and laboratory. Prerequisites: G.S. 110 and G.S. 111, Chemistry 302.

409. Ecology
An analysis of the interrelationships of organisms and their physical and biotic environment with a consideration of the role of the environment in natural selection. Lectures, laboratory and field studies. Prerequisite: Biology 203, and 301 or 302. Recommended: Completion of or concurrent enrollment in an elementary statistics course.

425. Directed Individual Study
One or two quarter units of credit by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.
Business Administration

A major in Business Administration may be chosen by freshmen and sophomores only, in 1967–68.

The major in Business Administration requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

**LOWER DIVISION**

**150. Principles of Accounting I**
A course designed for the general student of business, surveying the basic accounting concepts and practices.

**152. Principles of Accounting II**
A continuation of 150 with special attention to the use of accounts as sources of information for analysis and decision-making purposes.

**UPPER DIVISION**

**300. Principles of Marketing**
A study of marketing methods and institutions, including retail, wholesale, and industrial marketing.

**310. Financial Management**
A survey of the problems of business finance based on the identification, analysis, and solution of managerial problems in finance.
Chemistry

A major in Chemistry may be chosen by freshmen and sophomores only, in 1967–68. Requirements for the major: A minimum of eight courses in Chemistry, including two terms each of General, Organic, and Physical Chemistry, one term of Inorganic Chemistry, and one advanced Chemistry course; Mathematics 210, 211, and 212; one or two courses in Physics.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

Students seeking a major program meeting the minimum requirements of the American Chemical Society must complete three additional advanced courses in Chemistry, must present German or Russian as their foreign language, and must elect Physics 202 and 203.

Chemistry majors should fulfill their General Studies Physical Science requirement by electing G.S. 122 and G.S. 123. With the consent of their departmental advisor, students may substitute a maximum of two General Studies Senior Seminars for two lower division General Studies courses in the same fields.

LOWER DIVISION

202. Introduction to Chemical Kinetics and Equilibrium
Chemical reaction kinetics and mechanisms together with a study of chemical equilibria, particularly ionic equilibria. Laboratory work includes both qualitative and quantitative analysis. Prerequisite: G.S. 123 or consent of instructor.

203. Introduction to Chemical Thermodynamics
A study of the three laws of thermodynamics and their application to chemistry. A number of applications in the area of analytical chemistry (e.g., electroanalytical chemistry) are considered in the laboratory work. Prerequisite: Chemistry 202 and Mathematics 210, or consent of instructor.

UPPER DIVISION

301. Organic and Biological Chemistry I
The chemistry of carbon compounds, including a discussion of organic structures, reactions, and mechanisms having biological significance. Lecture and laboratory. Prerequisite: Chemistry 202.

302. Organic and Biological Chemistry II
A continuation of Chemistry 301. Prerequisite: Chemistry 301.

A detailed study of organic molecules and their structures, reaction mechanisms, stereochemistry and synthesis. Lectures and laboratory. Prerequisite: Chemistry 203 or consent of instructor.

322. Principles of Organic Chemistry II
A continuation of Chemistry 321, with inclusion of topics in heterocyclic and natural products chemistry. Lectures and laboratory. Prerequisite: Chemistry 321 or consent of instructor.

371. Inorganic Chemistry
The study of inorganic compounds and reactions. Special emphasis is placed on structure, mechanism and thermodynamic principles. Lectures and laboratory. Prerequisite: Chemistry 322 or consent of instructor.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.
Drama

No major program in Drama will be offered in 1967-68. Courses listed below will be offered as electives in support of other major programs.

**UPPER DIVISION**

**310. Experimental Theatre I**
A basic study of the form and structure necessary to translate the play for the audience. Experience in the classroom and in performance before a select audience. Prerequisite: consent of instructor.

**311. Experimental Theatre II**
Continuation of Drama 310. Prerequisite: Drama 310, or consent of instructor.

**410. Dramatic Production I**
A study of the theory and method of the separate arts of the theatre and of their interrelation in dramatic production. Students will have the opportunity to develop their particular interests through experience in production. Prerequisite: consent of instructor.

**411. Dramatic Production II**
A continuation of Drama 410. Prerequisite: Drama 410.

Students interested in Drama should consider the following courses:

- English 302 Analysis of Drama
- English 350 Classical Drama
- English 355 Modern Drama I
- English 356 Modern Drama II
- English 375 Shakespeare I
- English 376 Shakespeare II
Economics

No major program in Economics will be offered in 1967-68. Courses listed below will be offered as electives in support of other major programs.

LOWER DIVISION

100. Elements of Economics I
An introduction to modern economic society with emphasis on the changing social values and institutions of the American economy, the monetary system, and the theory of income determination.

102. Elements of Economics II
The completion of the introduction to Economics with emphasis on the theory of market organization, contemporary public policy issues, economic growth and development, and international trade.

UPPER DIVISION

420. Comparative Economic Systems
A description and analysis of the major theories and forms of economic organizations.
Education

The Department of Education offers undergraduate and graduate level courses primarily concerned with the Standard Teaching Credentials and the in-service education of teachers. The entire program in teacher education is operated under policies recommended by the Faculty Senate, a collegewide organization of faculty members. Details of all programs are available from the Department of Education Office.

Admission to the Teacher Credential Program

Admission to the College as a student does not constitute admission to a teaching credential program. There are three steps in securing a credential: (1) Admission to course work; (2) Admission to student teaching; and (3) Completion of the program.

Any junior in good standing and interested in becoming a teacher may enroll in Education 330, Psychological Foundations of Education. While enrolled in this course, students will file the “Application for Admission to Candidacy for a Teaching Credential.” Students must be admitted to candidacy before they enroll in additional courses in Education. A faculty committee will review and pass on each applicant.

(1) Admission to course work.
   a. Students enrolled in Education 330 will complete the necessary application.
   b. A candidate must have earned at least a 2.0 (C) grade point average at this College; and in addition, must have earned at least a 2.5 (C+) average in his major.
   c. A candidate must secure at least two recommendations from faculty members in his major department. Additional recommendations are also required.
   d. Special tests may be required for some candidates.
   e. Students who plan to teach in California must meet citizenship requirements.
   f. Candidates must satisfactorily meet the health standards required of credentialed teachers.

(2) Candidates are required to file application for permission to enroll in student teaching at least one quarter prior to enrolling in student teaching. Forms for this may be secured from the Department of Education Office.

(3) Completion of the program. Successful completion of the program depends upon the candidate’s maintenance of high levels of performance.

Elementary Teaching Credential Program

This College offers three programs through which a student may secure an elementary credential: (1) A four-year program through which a student secures a Standard Elementary Teaching Credential Issued on Partial Fulfillment of Requirements; (2) A five-year program; and (3) An intern program. Requirements are as follows:

A. The Four-year Program.* (Because of the minimum preparation provided, students are encouraged to elect one of the other options.)
   (1) Completion of required General Studies as described on page 37. Students with degrees from other colleges must meet the minimum requirements of

* Programs may be arranged in the following departments: Art, Chemistry, English, French, History, Mathematics, Music, Political Science, Psychology, Sociology, and Spanish.
the State of California.

(2) Completion of an acceptable major.

(3) Completion of the following course work in Education:
   Ed. 330—Psychological Foundations of Education
   Ed. 340—Methods
   Ed. 341—Methods and Materials II
   Ed. 350—Student Teaching I
   Ed. 351—Student Teaching II
   Ed. 352—Seminar in Elementary Education

(4) A fifth year of college must be completed within seven years. During this time students must complete the following:
   Ed. 495—Social Foundations of Education
   Math 301—Mathematics for Elementary Teachers
   Electives chosen in consultation with an advisor.

B. The Five-year Program.

(1) General Studies

(2) Requirements of the major department

(3) As an undergraduate the student is encouraged to enroll in the following courses:
   Ed. 330—Psychological Foundations of Education
   Math 301—Mathematics for Elementary Teachers

(4) After receiving the baccalaureate degree, students must complete the following:
   Ed. 340—Methods
   Ed. 341—Methods and Materials II
   Ed. 350—Student Teaching I
   Ed. 351—Student Teaching II
   Ed. 352—Seminar in Elementary Education
   Ed. 495—Social Foundations of Education
   Three electives chosen in consultation with an advisor.

C. The Intern Program for Elementary Teachers.

(1) General Studies

(2) Requirements of the major department

(3) As an undergraduate the student is encouraged to enroll in the following courses:
   Ed. 330—Psychological Foundations of Education
   Math 301—Mathematics for Elementary Teachers

(4) In the quarter following award of the baccalaureate degree, a student must take the following courses:
   Ed. 340—Methods
   Ed. 341—Methods and Materials II
   One elective, if possible.

(5) With college approval the student then becomes a full-time paid teacher of a school district in this area. During each of the three following quarters the student must enroll in:
   Ed. 360—Internship I
   Ed. 361—Internship II
   Ed. 362—Internship III

(6) In the summer session after teaching and during succeeding quarters the student must complete:
   Ed. 495—Social Foundations of Education
   Two or three electives chosen in consultation with an advisor.
Secondary Teaching Credential Program

All students seeking a Standard Teaching Credential with a Specialization in Secondary Teaching must complete one full year of course work after receiving the baccalaureate degree. Requirements for this credential are as follows:

1) General Studies

2) Major. At least two courses in the major must be taken at the graduate level.

3) Minor. A minor for the secondary credential is not required at this College; however, minors are available in many departments. Students should consult an advisor in the Department of Education for further information.

4) As an undergraduate the student should complete the following courses:
   Ed. 330—Psychological Foundations of Education, and the 499 course dealing with methods and materials of teaching in the student's major field in the secondary school. (These courses may be taken during the fifth year.)

5) After receiving the baccalaureate degree, students should complete the following courses:
   Ed. 350—Student Teaching I
   Ed. 351—Student Teaching II
   Ed. 353—Seminar in Secondary Education
   Ed. 495—Social Foundations of Education
   At least two courses in the major.
   Electives chosen in consultation with advisors.

UPPER DIVISION

330. Psychological Foundations of Education
A study of learning, motivation, evaluation, and human growth and development as applied to teaching.

340. Methods I
An introductory course in the study of basic teaching techniques appropriate to elementary school teaching. Prerequisite: admission to the Teacher Education Program and Psychological Foundations of Education. Lectures and laboratory.

341. Methods and Materials II
An introductory course in educational materials appropriate to the elementary school. A survey and analysis of text and trade books, audiovisual equipment, and supplementary teaching materials. Prerequisites are admission to the Credential Program and Psychological Foundations of Education. This course to be taken concurrently with or after Methods I. Lectures and laboratory.

350. Student Teaching I

351. Student Teaching II
Prerequisite: Ed. 350 and 351 must be taken together, and concurrently with Ed. 352 or 353. Requires full-time teaching in the public schools.

352. Seminar in Elementary Education
Must be taken concurrently with elementary student teaching.

353. Seminar in Secondary Education
Must be taken concurrently with secondary student teaching.

360. Internship I
Supervised intern teaching. Includes a two-hour seminar each week.

361. Internship II
362. Internship III

495. Social Foundations of Education
American cultural values and their influence on education; role of the school in renewal with special attention to contemporary disadvantaged groups; social class structure.

532. The Educationally Disadvantaged
Identification and analysis of programs, materials and classroom approaches. Course stresses better understanding and instruction of children and youth from homes of the economically disadvantaged, and ethnic minorities who are disadvantaged.

535. Seminar in Reading
Review of research, curriculum issues and instructional procedures. For experienced teachers only.

540. Elementary School Curriculum
History, organization and operation of the elementary school; curriculum trends; newer practices in elementary education.

599. Secondary School Curriculum
Study of the development of the American secondary school with emphasis on current and emerging patterns of organization and curriculum.
English

Requirements for the major: A minimum of eight upper division courses in English.
The major also requires four full-term courses in a foreign language, or equivalent proficiency.
A comprehensive examination covering the major field of study will be required in the senior year.

LOWER DIVISION

110. World Literature I
Readings in Oriental and continental European literature to the Renaissance (in English translation).

111. World Literature II
Readings in Oriental and continental European literature from the Renaissance to the contemporary period (in English translation).

120. English Literature I
Readings in English literature from the Middle Ages to the Renaissance.

121. English Literature II
Readings in English literature from the Renaissance to the contemporary period.

UPPER DIVISION

301. Analysis of Poetry
An approach to an understanding of the literary experience through a study of structure and theme in selected lyric poems.

302. Analysis of Drama
An approach to an understanding of the literary experience through a study of structure and theme in selected plays.

303. Analysis of Prose Fiction
An approach to an understanding of the literary experience through a study of structure and theme in selected pieces of narrative prose.

310. English Literature of the Middle Ages
Lyric, drama, prose and verse narrative from the beginnings of English literature through Malory.

312. English Literature of the Renaissance
Poetry, prose, and drama (exclusive of Shakespeare) of the sixteenth century.

321. Seventeenth Century Literature
English prose and poetry from Bacon through Milton.

328. English Literature of the Augustan Age
Emphasis on Dryden, Pope, and Swift.

332. Romantic Prose and Poetry
A study of major English Romantics such as Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron.

334. Victorian Literature
A study of major writers of Victorian England.

340. American Literature I
Colonial and Federal American literature to the early nineteenth century.
341. American Literature II
The romantic movement in American literature.

342. American Literature III
The age of realism in American literature.

345. Modern Poetry

346. Modern Fiction
Emphasis on James, Lawrence, Joyce, Faulkner, and Hemingway.

350. Classical Drama
Development of comedy and tragedy in Greece and Rome.

355. Modern Drama I
European, English, and American Realism.

356. Modern Drama II
European, English, and American Anti-realism.

360. Development of the Novel I
The eighteenth century novel in historical perspective, with emphasis on close reading of selected English novels.

362. Development of the Novel II
The nineteenth century novel in historical perspective, with emphasis on close reading of selected English novels.

375. Shakespeare I
The comedies and history plays.

376. Shakespeare II
The tragedies and romances.

385. Introduction to Literary Criticism
The major issues in literary criticism considered in historical perspective.

390. Advanced Composition
A course in advanced expository writing.

391. Creative Writing
A course in which the student writes fiction and/or poetry and interprets literature in the light of that experience. Admission by consent of instructor.

395. History of the English Language

400. Grammar and Linguistics

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

440. Studies in Literary Figures and Genres

499. Methods and Materials in the Teaching of English
May not be counted toward fulfilling requirement of courses in the major.

510. Graduate Seminar in English Literature

520. Graduate Seminar in American Literature
French

Requirements for the major: Twelve courses in French or their equivalent, including 301 and 302.
A comprehensive examination covering the major field of study will be required in the senior year.

LOWER DIVISION

101. Elementary French I
Pronunciation, grammar, reading, and conversation.

102. Elementary French II
Continuation of French 101.

103. Intermediate French I
Grammar, composition, and conversation; discussion in French of literary texts. Prerequisite: French 102 or equivalent.

104. Intermediate French II
Continuation of French 103.

UPPER DIVISION

All upper division courses are conducted in French.

301. Advanced French I
The study of French phonology, with emphasis on improvement of the students' pronunciation. Prerequisite: French 104 or equivalent.

302. Advanced French II
The study of the structure of the French language, with emphasis on improvement of the students' ability to write French. Prerequisite: French 104 or equivalent.

303. Literature of the Middle Ages and the Sixteenth Century
Prerequisite: French 104 or equivalent.

304. Literature of the Seventeenth Century
Prerequisite: French 104 or equivalent.

305. Literature of the Eighteenth Century
Prerequisite: French 104 or equivalent.

401. The French Novel in the Nineteenth Century
Prerequisite: one 300 level French course or equivalent.

402. French Poetry of the Nineteenth and Twentieth Centuries
Prerequisite: one 300 level French course or equivalent.

403. The French Novel in the Twentieth Century
Prerequisite: one 300 level French course or equivalent.

404. The French Theatre in the Twentieth Century
Prerequisite: one 300 level French course or equivalent.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

499. Materials and Methods in the Teaching of Foreign Languages
May not be counted toward fulfilling requirement of courses in the major.

510. Graduate Seminar in French Literature
Geography

No major program in Geography will be offered in 1967–68. Courses listed below will be offered as electives in support of other major programs.

LOWER DIVISION

110. General Physical Geography
A study of the elements of physical environment, including land forms, climate, water resources, vegetation, and soils.

111. World Regional Geography
Man's distribution and activities in the various geographic regions of the world, with emphasis on the uses of various environments and the effects of geographic conditions on man.

112. Geography of California
Analysis of the geographic regions of California—their environmental diversity, settlement patterns, economic development, and current problems.
German

No major program in German will be offered in 1967-68. Courses listed below will be offered as electives in support of other major programs.

LOWER DIVISION

101. Elementary German I
Pronunciation, grammar, reading, and conversation.

102. Elementary German II
Continuation of German 101.

103. Intermediate German I
Reading and discussion of modern German prose and poetry, grammar review, composition, and conversation. Prerequisite: German 102 or equivalent.

104. Intermediate German II
Continuation of German 103.

UPPER DIVISION

301. Advanced German I
Development of correct pronunciation and speaking style. Oral reports and class discussion based on reading and analysis of literary works. Prerequisite: German 104 or equivalent.

302. Advanced German II
Development of good writing and expressive vocabulary. Study and application of the characteristics of German critical writing. Written assignments based on reading of literary works. Prerequisite: German 104 or equivalent.

304. German Classicism
Drama and poetry of Goethe and Schiller; study of selected critical works. Prerequisite: German 104 or equivalent.

308. Readings in German Literature
The study of a selected literary genre or writer. Prerequisite: German 104 or equivalent.
History

Requirements for the major: Ten courses in History, including History 590 and at least seven other upper division courses. With the approval of the departmental advisor, up to two courses in related fields may be counted toward the upper division course requirement in History. History majors are required to include courses in American History and Modern European History in their programs. The major also requires three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

LOWER DIVISION

200. United States History to 1877
A survey of the history of the United States from the colonial beginnings to 1877.

201. United States History, 1877 to the Present
A survey of the history of the United States from 1877 to the present.

UPPER DIVISION

300. Early Modern Europe, the Renaissance to 1815.
The institutions, culture, and political development of Europe from the Renaissance to the end of the Napoleonic Wars.

301. Modern Europe, 1815 to the Present
The institutions, culture, and political development of Europe from the Congress of Vienna to the present.

302. Renaissance and Reformation
Principal political, economic, intellectual, and religious developments in Europe from about 1300 to 1648.

304. The Age of Absolutism and Enlightenment
A study of the period from 1648 to 1789, emphasizing the development of the modern state, the new scientific movement, and the growth of revolutionary ideas.

306. The Revolutionary Era, 1789–1815
The crisis in European civilization from the French Revolution to the Congress of Vienna.

308. Europe in the Nineteenth Century
A study of the political, social, and intellectual changes of the period 1815 to 1914.

310. Twentieth Century Europe
A history of Europe from the outbreak of the first World War to the present.

350. The American Colonies, 1607–1783
A history of the thirteen colonies from European origins to the attainment of independence.

352. The Early Republic
A history of the United States from the Confederation period through the administration of Van Buren.

354. Civil War and Reconstruction
The background and causes of the Civil War and the problems of Reconstruction.
356. The United States, 1877-1917
A history of the transformation of the nation between the end of Reconstruction and entrance into World War I.

358. Modern America
A study of the principal developments in American life since the first World War.

370. History of California
The political, economic, and social development of California from Spanish times to the present.

400. Tudor and Stuart England
A history of the principal political, economic, religious, and intellectual developments of England from 1485 to 1714.

404. Modern Britain
A history of Great Britain from the accession of the Hanoverian dynasty to the present.

410. Russia to 1855
History of the Russian empire from the accession of Peter the Great to 1855.

414. Russia Since 1855
History of the last years of the empire and origins and development of the Soviet Union.

420. Economic History of the United States
The economic history of the United States from the founding of the colonies to the present.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

499. Methods and Materials in the Teaching of the Social Sciences
May not be counted toward fulfilling requirement of courses in the major.

510. France Since 1815
A history of French culture and politics from the fall of Napoleon to the present.

514. Germany Since 1815
A history of German culture and the emergence of the German state from the Congress of Vienna to the present.

540. Constitutional History of the United States
A history of American constitutional development from English and European origins to the present day.

550. Social and Intellectual History of the United States to 1860
A history of American civilization to 1860, including the development of American society, thought, and culture.

552. Social and Intellectual History of the United States Since 1860
A history of American civilization since 1860, including the development of American society, thought, and culture.
554. Foreign Relations of the United States to 1898
A survey of American foreign relations from the American Revolution to the Spanish-American War.

556. Foreign Relations of the United States Since 1898
The history of United States foreign relations as the nation emerges as a world power in the twentieth century.

560. History of the American West
A survey of the western expansion of the American nation.

590. The Study of History
An introduction to the nature of History through a consideration of the problems of historical knowledge and of the works of major historians of the past.

592. Seminar in Modern European History
An intensive study of some phase of modern Europe to be developed by the instructor with the class. May be repeated for credit, with consent of instructor.

594. Seminar in United States History
An intensive study of some phase of American History to be developed by the instructor with the class. May be repeated for credit, with consent of instructor.
Mathematics

Requirements for the Major: Ten courses in Mathematics including Mathematics 210, 211, 212, 213, 311, 312, and 331 and three upper division elective courses in Mathematics selected in consultation with the advisor. Physics 202 and 203 are recommended for Mathematics majors. Students planning to earn a high school teaching credential should include Mathematics 539. A Mathematics major may substitute a maximum of two General Studies Senior Seminars for two lower division General Studies courses in the same fields.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

LOWER DIVISION

101. Pre-Calculus Mathematics
Inequalities, absolute value; algebraic, logarithmic, trigonometric, and exponential functions; elements of analytic geometry; complex numbers and theory of equations; progressions, mathematical induction. Prerequisite: Plane geometry and two terms of high school advanced algebra or their equivalent.

150. Elementary Statistics
A course in the basic principles of statistics with applications to the natural and behavioral sciences. Prerequisite: A year of high school advanced algebra or its equivalent.

210. Analysis I
The basic elements of calculus and differential equations. Functions, graphs, limits, continuity; a heuristic treatment of differentiation and integration with applications. Prerequisite: Mathematics 101 or 3½ years of high school mathematics including the equivalent of 2 years of algebra, 1 year plane geometry, and ½ year trigonometry.

211. Analysis II
Transcendental functions, differentials, formal integration, theory of the definite integral with applications, improper integrals. Prerequisite: Analysis I with a grade of C or better or consent of the department chairman.

212. Analysis III
Vectors in a plane; the inverse square law and conic sections; vectors in space; partial derivatives; multiple integration, volumes; series and expansion of functions. Prerequisite: Analysis II with a grade of C or better or consent of department chairman.

213. Analysis IV
Systems of linear equations and elements of matrix algebra; separable and exact first order differential equations; the general linear first order equation, linear equations with constant coefficients; matrix algebra applied to the solution of systems of linear differential equations. Prerequisite: Analysis III with a grade of C or better or consent of the department chairman.

301. Mathematics for Elementary Teachers
A study of the foundations of modern arithmetic and geometry for effective teaching at the elementary school level. Not open to mathematics majors. Prerequisite: G.S. 130 or its equivalent.
311. Introduction to Analysis and Abstract Algebra I
Modern algebra and the foundations of calculus. Axiomatically defined real number system and its subsystems; mappings, relations, and abstract systems including groups, rings, integral domains, and fields. Prerequisite: Mathematics 213 or the consent of department chairman.

312. Introduction to Analysis and Abstract Algebra II
Modern algebra and the foundations of calculus. Construction of the complete ordered field of real numbers, Cauchy sequences, topology of the real line, properties of continuous functions, the Riemann integral, elementary functions. Prerequisite: Mathematics 311 or consent of the department chairman.

331. Linear Algebra
Vector spaces over a field, linear dependence, dimension; matrices and systems of linear equations; special matrices and canonical forms; characteristic values and vectors; diagonalization of quadratic and Hermitian forms; applications. Prerequisite: Mathematics 213 or consent of the department chairman.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

444. Probability and Statistics I
The mathematical theory of probability and statistics with application to the problems of sampling and decision making. Axiomatic development of probability; discrete random variables and their probability distributions with emphasis on the Bernoulli and Poisson distributions; discrete stochastic processes. Prerequisite: Mathematics 213 or consent of the department chairman.

445. Probability and Statistics II
The mathematical theory of probability and statistics with application to the problems of sampling and decision making. Continuous random variables and their probability distributions; moment generating functions; the normal, t, chi-square, and F distributions applied to testing hypotheses. Prerequisite: Mathematics 444 with a grade of C or better or consent of the department chairman.

499. Methods and Materials in the Teaching of Mathematics
May not be counted toward fulfilling requirement of courses in the major.

501. Topics in Applied Mathematics I
Series solutions of differential equations, systems of differential equations; finite difference calculus, difference equations, numerical solution of differential equations; least square approximations, orthogonal polynomials. Prerequisite: Mathematics 213.

502. Topics in Applied Mathematics
Fourier series and integrals, Laplace transformations, partial differential equations. Prerequisite: Mathematics 501 or the consent of department chairman.

520. History and Philosophy of Mathematics
A study of the historical development of major trends in mathematics and their logical basis. Prerequisite: Upper division standing in mathematics.

539. Foundations of Geometry
The foundations of Euclidean and non-Euclidean geometries. Recommended for prospective high school mathematics teachers. Prerequisite: Mathematics 312 or consent of department chairman.
551. Advanced Calculus I
The calculus of vector functions, differentiable functions, transformations, implicit functions, extrema, multiple integrals, line and surface integrals. Prerequisite: Mathematics 312 or consent of the department chairman.

552. Advanced Calculus II
Uniform convergence, computation with series, improper integrals, functions represented by integrals, Fourier series. Prerequisite: Mathematics 551 or consent of the department chairman.

561. Functions of a Complex Variable
Complex numbers, derivatives and integrals of analytic functions, the geometry of elementary functions, Cauchy's integral theorem and formula; Laurent expansions and evaluation of contour integrals by residues. Prerequisite: Mathematics 312 or consent of the department chairman.

568. Number Theory
Topics from the theory of numbers including congruences, Diophantine equations, and a study of prime numbers. Prerequisite: Mathematics 312.

572. Modern Algebra
Polynomials over integral domains, algebraic and transcendental extension of number fields, Galois theory. Prerequisite: Mathematics 312.

581. Topology
An introduction to point set topology; general topological and metric spaces. Prerequisite: Mathematics 312.
551. Advanced Calculus I
The calculus of vector functions, differentiable functions, transformations, implicit functions, extrema, multiple integrals, line and surface integrals. Prerequisite: Mathematics 312 or consent of the department chairman.

552. Advanced Calculus II
Uniform convergence, computation with series, improper integrals, functions represented by integrals, Fourier series. Prerequisite: Mathematics 551 or consent of the department chairman.

561. Functions of a Complex Variable
Complex numbers, derivatives and integrals of analytic functions, the geometry of elementary functions, Cauchy's integral theorem and formula; Laurent expansions and evaluation of contour integrals by residues. Prerequisite: Mathematics 312 or consent of the department chairman.

568. Number Theory
Topics from the theory of numbers including congruences, Diophantine equations, and a study of prime numbers. Prerequisite: Mathematics 312.

572. Modern Algebra
Polynomials over integral domains, algebraic and transcendental extension of number fields, Galois theory. Prerequisite: Mathematics 312.

581. Topology
An introduction to point set topology; general topological and metric spaces. Prerequisite: Mathematics 312.
Music

Requirements for the major: Nine courses in theory and history, including Music 111, 112, 113, 314, 301, 302, 303, 351, 571. In addition each student must participate in a performing organization and continue the study of applied music during every term of his residence. Under special circumstances and with the consent of the departmental advisor, a student may be permitted to substitute up to two full-term courses in a related discipline for work in the major field.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

LOWER DIVISION

111. Theory I
An integrated theory course including a study of basic literature, standard harmonic practice, two-part counterpoint, ear training, keyboard dictation, and sight singing.

112. Theory II
A continuation of Theory I. Prerequisite: Theory I or departmental consent.

113. Theory III
A continuation of Theory II. Prerequisite: Theory II or departmental consent.

UPPER DIVISION

314. Theory IV
Three and four-part counterpoint and contemporary harmonic practice. Prerequisite: Theory III or departmental consent.

301. History of Music I
The development of Western music from antiquity through the Renaissance, with emphasis on analysis, listening, and individual study. Prerequisite: Theory III or consent of instructor.

302. History of Music II
A continuation of History I. Baroque to the late nineteenth century. Prerequisite: Theory III or consent of instructor.

303. History of Music III
A continuation of History II. Debussy to the present. Prerequisite: Theory IV or consent of instructor.

351. Orchestration and Conducting
A correlated study of the art of orchestration and basic conducting technique. Prerequisite: Theory IV or departmental consent.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

499. Methods and Materials in the Teaching of Music
May not be counted toward fulfilling requirement of courses in the major.

527. Special Studies in Music
Intensive project in theory, history, or composition. Prerequisite: Music 303 or 571 and consent of instructor.
531. Music in the Modern Classroom
A correlated study of basic music theory, piano and vocal technique, and class­­room skills. Designed for the elementary teacher. Not open to majors in music.

571. Structure and Composition
A correlated study of analytic technique, musical structure, and original com­­position in traditional forms. Prerequisite: Theory IV or departmental consent.

APPLIED MUSIC
A special fee will be charged for individual instruction in most areas of applied music. For specific information regarding fees and course offerings, consult the Division of Humanities Office prior to registration each term.

Courses in applied music are open to all students without prerequisite. The study of at least one instrument or voice is required of all majors every term. Two quarter units of credit (available to music majors only) are accumulated through three terms of study.

240. Voice
241. Keyboard Instrument
242. String Instrument
243. Wind Instrument

Advanced Applied Music. Prerequisite: Completion of six courses in applied music at the 200 level.

440. Voice
441. Keyboard Instrument
442. String Instrument
443. Wind Instrument

PERFORMING ORGANIZATIONS
Performing organizations are open to all students without prerequisite. Participa­­tion in at least one organization is required of all majors every term. One quarter unit of credit per term is available to music majors only.

260. Chorus
261. Instrumental Ensemble

Advanced level performance. Prerequisite: Completion of six courses in performance at the 200 level.

460. Chorus
461. Instrumental Ensemble
Philosophy

No major program in Philosophy will be offered in 1967-68. Courses listed below will be offered as electives in support of other major programs.

LOWER DIVISION

200. Logic I
An introduction to analysis of expression, statement, and argument in terms of their systematic functions in processes of reasoning.

250. Ethics I
An introductory study of problems of individual human action.

UPPER DIVISION

300. History of Philosophy I
Analysis of readings from Greek and Roman philosophy.

302. History of Philosophy II
Analysis of readings from medieval philosophy, St. Augustine to Ockham.

304. History of Philosophy III
Analysis of readings from early modern philosophy, Descartes to Kant.

306. History of Philosophy IV
Analysis of readings from nineteenth- and twentieth-century philosophy, Hegel to the present.

312. Logic II
The operations, structure, and theory of formal logic in Aristotle's *Organon* and contemporary mathematical logic. Philosophy 200 is not a prerequisite to Philosophy 312.

315. Philosophy of Science
A comparative study of diverse conceptions of the nature of science, the relations of the sciences to each other, and the methods, assumptions and problems characteristic of science.

350. Ethics II
An examination of issues inherent in individual human action in the light of major alternative formulations offered by past and present philosophers. Philosophy 250 is not a prerequisite to Philosophy 350.

360. Political Philosophy
Systematic study of some important ancient, medieval, and modern works that examine the principles and problems of action by a community.

370. Philosophy of Art and Criticism: Aesthetics
Investigation of problems and issues in texts by philosophers and critics from Plato to the present.

463. The Structure of Political Concepts
Systematic analysis of such major political concepts as authority, responsibility, freedom, obligation, and sovereignty.

465. Philosophy of Law
Intensive study of the concept of law and its relation to power, command, reason, nature, justice, and prediction.

520. Philosophy of Education
Inquiry into some characteristic problems. Intensive consideration will be given to both ancient and contemporary works. Exemplary authors: Plato, Rousseau, Newman, and Dewey.
Physical Education

Requirements for graduation: Each student is required to complete three courses (6 quarter units of credit) in Physical Education including health. It is recommended that these courses be taken during the first year on campus. The Physical Education 100 courses include instruction in Health Education. Activities such as basketball, handball, squash, tennis, and volleyball are offered on the courts, and the playing fields provide for soccer, hockey, and other field sports. As the gymnasium and swimming pool are completed, the program of classes will be broadened to include many more activities.

Students who are over twenty-five years of age are not required to take physical education classes but may substitute six credit hours of their choice. Health education requirements for those exempt from Physical Education may be completed by written examination, which may be arranged at the Department of Physical Education Office.

The College does not offer an undergraduate major in Physical Education. Students should consult the “Class Schedule” issued each term for specific information on Physical Education course offerings during each term of the 1967-68 academic year.

100. Physical Education
Physics

A major in Physics may be chosen by freshmen only, in 1967-68.
Requirements for the major: A minimum of ten courses in Physics, including Physics 202, 203, two courses in Electromagnetism, one course in Statistical Physics, two courses in Quantum Physics, and one course in Classical Mechanics; six courses in Mathematics: Mathematics 210, 211, 212, 213, and two upper division courses selected with the consent of the advisor.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

Physics majors should fulfill their General Studies Physical Science requirement by electing G.S. 122 and G.S. 123. With the consent of their departmental advisor, students may substitute one General Studies Senior Seminar for one lower division General Studies course in the same division.

LOWER DIVISION

102. General Physics
A lecture and laboratory course on selected topics in Physics. Prerequisite: G.S. 120 and Mathematics 101 or equivalent.

202. Principles of Physics I
A lecture and laboratory course using calculus concepts for a more rigorous treatment of basic principles. Prerequisites: G.S. 122 and Mathematics 210.

203. Principles of Physics II
A continuation of Physics 202. Prerequisites: Physics 202 and Mathematics 211.
Political Science

Requirements for the major: A minimum of ten courses in Political Science including Political Science 200, 202 or their equivalent, and eight upper division courses. With the approval of the departmental advisor, up to two courses in related fields may be counted toward the upper division course requirement in Political Science.

The major also requires a minimum of three full-term courses in a foreign language or equivalent proficiency.

A comprehensive examination in the major field will be required in the senior year.

LOWER DIVISION

200. Introduction to Political Science
Introduction to the scope of the discipline, to its basic philosophical concepts, methods, and to political action in various cultural contexts.

202. American Government
A study of the political structure and institutions of the American governmental system. This course will satisfy the State Code requirement in the United States Constitution and in California state and local government.

UPPER DIVISION

300. Comparative Government I
A study of major Western Political systems.

304. Comparative Government II
A study of Communist political systems and an examination of the relationships among such systems.

310. History of Political Theory I
A study of the political ideas from the time of the Greeks to the rise of the sovereign state in the 16th century, and the ideas of Thomas Hobbes.

312. History of Political Theory II
A study of the major political ideas from Hobbes to the present, emphasizing the European theorists.

314. American Political Thought
A study of the development of political ideas in America from colonial times to the present.

320. The Legislative Process
A cross-cultural analysis of the law-making processes in the United States and other selected political systems.

326. Parties and Elections
A study of the structure, operation, and control of the American political parties and their role in the selection of state and national leaders.

330. State and Local Government
A comparison of state and local governments in the American federal system.

400. International Politics
A study of the principles and practices of international politics as developed within the nation-state system and applied to current problems.
410. American Constitution
A study of the principles of the American Constitution and the nature of the federal system.

420. Public Administration
A study of the nature, scope, and development of the American administrative system.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

500. International Law
A study of the historical basis and present trends in the development of international law.

510. International Organization

520. The Soviet System
A study of Communist political theory in its Russian setting and of the development, operation, and structure of the contemporary Soviet system.

550. Metropolitan Politics
A study of the problems of metropolitanism and the impact of urbanization on the political environment. Prerequisite: Political Science 330.

560. Political Behavior
Approaches to the study of politics emphasizing the use of quantitative methods of the social sciences.

570. The National Government and the National Economy
A study of the interaction of political and economic power illustrated through a review of major contemporary issues and activities in national affairs.

590. Seminar in International Relations
An intensive study of some phase of international politics, law, or organization to be developed by the instructor with his class. May be repeated for credit, with the consent of the instructor.

592. Seminar in Government
An intensive study of some phase of government to be developed by the instructor with his class. May be repeated for credit, with the consent of the instructor.
Psychology

A major in Psychology may be chosen by freshmen and sophomores only, in 1967-68.

Requirements for the major: A minimum of ten courses in Psychology, including Psychology 100, 302, 310, 440, and Elementary Statistics (Math. 150).

The major in Psychology requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination will be required in the senior year.

LOWEr DIVISION

100. Introduction to Psychology
   A survey of the field of modern psychology.

102. Mental Hygiene
   The psychology of adjustment and related principles of mental health.

UPPER DIVISION

302. Advanced General Psychology
   A course in general psychology, emphasizing the scientific study of behavior, including principles and application. Prerequisite: Psychology 100, or equivalent.

310. Introduction to Experimental Psychology
   The experimental analysis of behavior with laboratory. Prerequisite: Psychology 302.

320. Personality
   An advanced treatment of the experimental approach to personality.

330. History of Psychology
   A survey of the development of psychological concepts, methods, and theories from their origins to the present.

420. Abnormal Psychology
   An introduction to psychopathology with considerations of the major conceptions of the nature of behavioral disorders.

440. Tests and Measurements
   A study of the administration of psychological tests and scales, and of the interpretation and use of the data which they yield.
Sociology and Anthropology

Requirements for the major in Sociology: A minimum of ten courses in Sociology, including Sociology 500, 510 and six other upper division Sociology courses. With the approval of the department advisor, up to two courses in related fields may be counted toward the upper division course requirement in Sociology.

The major also requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the senior year.

SOCIOLGY—LOWER DIVISION

100. The Study of Society
An introduction to the basic characteristics and dynamics of society, culture, and personality as related to man's group behavior.

200. Social Problems
A study of the nature and extent of the problems of present day society related primarily to family, community, and other institutions in America.

SOCIOLGY—UPPER DIVISION

340. Sociology of the Family
A systematic and comparative analysis of family structure and change: marriage, reproduction, child-rearing, marital problems.

350. Criminology
A study of the causes of crime with emphasis on sociological factors.

360. Social Psychology
A study of interpersonal relations and communication with special reference to development of self, role behavior, attitudes, values, and social norms.

380. Sociology of Religion
Religion as a social institution in primitive and folk culture and in contemporary modern society.

400. Social Change
A study of the nature of the processes of social change, revolutionary and evolutionary, and of contemporary theories of social change.

410. Racial and Cultural Minorities
A study of the minority group status in contemporary American society.

420. Population Problems
A study of the social causes and consequences of population trends.

425. Independent Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.

430. Urban Sociology
A study of the nature, causes, and consequences of urbanization; metropolitan areas; location and types of cities; social and demographic characteristics of urban populations.

440. Social Stratification
Class, caste, and other systems of social stratification with particular reference to the United States.
500. Sociological Research and Analysis
   Principles of research design, methods of data collection and analysis. Prerequisite: Mathematics 150.

510. History of Sociological Theory

520. Comparative Sociology
   A study of a selected number of aspects of the social structure of a major non-Western region. May be repeated for credit, with consent of instructor.

590. Seminar in Sociology
   An intensive study of some phase of sociology to be developed by the instructor with his class. May be repeated for credit, with consent of instructor.

ANTHROPOLOGY—LOWER DIVISION

100. Introduction to Anthropology
   An introductory study of fossil men and of primitive cultures, with analysis of the methods of inquiry and the current status of the field.

200. Cultural Anthropology
   A study of the basic concepts and theories; economic life, kinship systems, political organization, art, religion, and magic among non-literate people.
Spanish

Requirements for the major: Twelve courses in Spanish or their equivalent. A comprehensive examination covering the major field of study will be required in the senior year.

101. Elementary Spanish I
Pronunciation, grammar, reading, and conversation.

102. Elementary Spanish II
Continuation of Spanish 101.

103. Intermediate Spanish I
Grammar, composition, and conversation; discussion in Spanish of literary texts. Prerequisite: Spanish 102 or equivalent.

104. Intermediate Spanish II
Continuation of Spanish 103.

UPPER DIVISION

All upper division courses are conducted in Spanish.

301. Advanced Spanish I
Development of correct pronunciation and speaking style. Oral reports and class discussion based on reading and analysis of literary and other appropriate materials. Prerequisite: Spanish 104 or equivalent.

302. Advanced Spanish II
Development of good writing and expressive vocabulary. Written assignments based on reading of literary works. Prerequisite: Spanish 104 or equivalent.

303. Survey of Spanish Literature I
A survey of Spanish Literature from the twelfth century to Cervantes. Prerequisite: Spanish 104 or equivalent.

304. Survey of Spanish Literature II
A survey of Spanish Literature from Cervantes to the death of Calderon. Prerequisite: Spanish 104 or equivalent.

305. Survey of Spanish Literature III
A survey of Spanish Literature from 1700 to the period of Romanticism. Prerequisite: Spanish 104 or equivalent.

306. Modern Spanish Literature
Modern Spanish Literature from second half of the nineteenth century to the present. Prerequisite: Spanish 104 or equivalent.

307. Spanish-American Literature I
Spanish-American Literature from the time of the Spanish Conquest to the end of the nineteenth century. Prerequisite: Spanish 104 or equivalent.

308. Spanish-American Literature II
Spanish-American Literature from Modernismo to the present. Prerequisite: Spanish 104 or equivalent.

425. Directed Individual Study
One or two quarter units of credit, by arrangement. Requires prior approval of division or department chairman and consent of instructor. Can be taken for credit once.
499. Materials and Methods in the Teaching of Foreign Languages
May not be counted toward fulfilling requirement of courses in the major.

510. Graduate Seminar in Spanish Literature

NOTE: All information and announcements herein are subject to change without notice. Students should consult the "Class Schedule" issued before each term, to determine precisely what courses will be offered.
The plan of undergraduate study at The California State College at San Bernar-dino emphasizes a liberal education in preparing for professional or vocational specialization.

Programs can be suited to students' individual needs in selecting courses which are specified by many professional schools as a basis for graduate study.

Some fields of professional training are listed below. Students interested in any of them should seek information and advisement from the division office indicated.

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INTERNATIONAL PROGRAMS

The California State Colleges offer academic year program of study at a number of distinguished universities abroad. For 1967-68 the cooperating universities are: University of Aix-Marseille, France; Free University of Berlin and University of Heidelberg, Germany; Waseda University, Tokyo, Japan; University of Granada and University of Madrid, Spain; University of Stockholm and University of Uppsala, Sweden; National University, Taiwan. Academic work successfully completed at the cooperating universities abroad may be applied toward the degree requirements of the College in accordance with college regulations.

A selection among applicants from all California State Colleges is made on the basis of academic, linguistic and personal qualifications. The criteria are:

a) Upper division or graduate standing by the beginning of the academic year abroad;

b) Academic achievement;

c) Proficiency in the language of instruction;

d) Faculty recommendations.

Cost to the student includes round trip transportation from San Francisco to the host university, room and board for the academic year, and medical insurance. In 1967-68 these costs will be: France, Germany, Spain, $1,970; Italy, Japan, $2,070; Sweden, $2,270; Taiwan, $1,770.

Programs in Japan, Sweden, and Taiwan do not require previous linguistic preparation; applicants for all other programs must demonstrate adequate facility in the language of instruction at the host university.

Application for the 1968-69 academic year should be made early in the fall semester of 1967. Detailed information may be obtained at the Office of the Dean of Students, or by writing to the Office of International Programs, The California State Colleges, 1600 Holloway Avenue, San Francisco, California 94132.
STUDENT SERVICES
COUNSELING AND TESTING

Students seeking professional assistance in educational, vocational, or personal matters may consult the Counseling and Testing Center. At the Center students may consult privately with a counselor, obtain information about themselves through psychological tests, obtain assistance in improving reading rate or study skills, or receive information about vocational fields.

Counseling is confidential. There is no fee for services.

ACTIVITIES AND HOUSING

Through the Office of the Associate Dean, Activities and Housing, students and faculty are assisted in the development and operation of special interest organizations and of the student government. A program of sponsored activities provides opportunities for relaxation and entertainment, and contributes to the cultural and intellectual aims of the College.

At the present time housing on the campus is not available. However, private housing is listed in the Office of the Associate Dean, Activities and Housing. The off-campus housing is not inspected, approved, or supervised by the College.

PLACEMENT AND FINANCIAL AID

The Placement and Financial Aid Center assists graduates of the College in locating career employment opportunities. This office also serves as a repository for the confidential papers of graduating seniors, candidates for teaching credentials, and alumni.

Assistance in obtaining part-time and vacation employment, both on and off the campus, is available through the Placement and Financial Aid Center. Employment on the campus is limited to 15 hours during any week when classes are in session.

The College offers a variety of financial aid programs to assist qualified students in meeting college expenses. Sources of assistance include the federally sponsored Educational Opportunity Grants, National Defense Student Loans, and the College Work-Study Program. The state sponsored Guaranteed Loan Program also is available. Short-term loans are available to assist students confronted with a financial emergency.

The College awards a small number of scholarships each year to students who possess academic promise and who have need for financial help. These scholarships are sponsored by the Foundation of the California State College at San Bernardino and by the Social Lites of San Bernardino.

Applications for scholarships and Educational Opportunity Grants must be completed by April 1. Applications for other aid forms should be submitted by July 1. Applicants are required to submit the financial need analysis obtained through the College Scholarship Service. Appropriate information and forms can be obtained from your high school or college counselor.

Personnel in the Placement and Financial Aid Center invite inquiries from any prospective student who desires more information about available financial assistance.

STUDENT HEALTH CENTER

The purpose of the Student Health Center is to maintain a state of optimum physical and emotional health. To this end the Student Health Center provides those services normally administered in a physician's office. In addition, all students are insured under a modest basic health and accident insurance policy, which covers emergencies on or off the campus, ambulance fees (up to $31.50), and x-ray and laboratory services (by referral through the Student Health Center).
A voluntary medical-hospital insurance plan is available at student rates. Students not already protected by an insurance program are urged to consider this supplementary plan. A brochure describing the coverage is mailed to each student upon notice of admission to the College.

Students planning to enroll at the College should note that the medical history and physical examination required by law must be submitted before they will be allowed to register.

**CAFETERIA**

The campus coffee shop serves light meals and refreshments prepared daily for students and staff.

**BOOKSTORE**

Students are able to purchase or order books and supplies needed for classes from the on-campus bookstore, owned and operated by the College Foundation. The bookstore is a non-profit operation, with proceeds used to further the educational aims of the College.

**VETERANS AND VETERANS' DEPENDENTS**

Students eligible for educational benefits under either the Federal or the State of California veterans programs should obtain a certificate of eligibility from the nearest Veterans Affairs Office well in advance of enrollment. At the time of registration the student must present the certificate of eligibility at the Office of Admissions and Records. On the last day of each month the student must visit this office to sign the Monthly Certification of Training Form.

**GRADE REPORTS TO STUDENTS**

A report of the final grade assigned in classes is sent to each student at the end of each term.

**TRANSCRIPTS**

Upon request to the college Office of Admissions and Records, each student will be provided with one official copy of his college record without charge. A charge of $1.00 will be made for each additional transcript requested by the student. No transcript will be supplied for college work taken in other institutions.
Faculty 1967–68

Ronald Edgar Barnes, Jr. (1965) Associate Professor of Drama
B.S.Ed. (1951), University of Minnesota; Ph.D. (1963), Stanford University.

Jeanette Bernthaler (1965) Librarian III
B.A. (1962), University of Redlands; M.A.L.S. (1963), University of Southern California.

Max Bloomberg (1966) Librarian III

Mary Ann Cisar (1965) Assistant Professor of Political Science

Charles Harold Clifton (1966) Assistant Professor of English
B.A. (1960), State University of Iowa.

James Davidson Crum (1966) Associate Professor of Chemistry
B.S. (1952), Ohio State University; M.S. (1953), Marshall University; Ph.D. (1958), Ohio State University.

Rene Felix Dennemeyer (1966) Professor of Mathematics

Russell J. DeRemer (1965) Assistant Professor of Physics

Alfred S. Egge (1966) Associate Professor of Biology
B.A. (1957), Long Beach State College; M.S. (1959), Ph.D. (1962), University of Arizona.

Desmond Fearnley-Sander (1966) Assistant Professor of Mathematics
B.Sc. (1962), University of Tasmania; M.Sc. (1964), Australian National University.

Robert Fisk (1962) Professor of Education
B.S. (1941), M.Ph. (1946), University of Wisconsin; Ed.D. (1953), Teachers College, Columbia University.

James Freeman (1967) Professor of Psychology
B.A. (1950), M.S. (1950), University of Oklahoma; Ph.D. (1953), Northwestern University.

Bruce Golden (1965) Assistant Professor of English

Richard E. Goodman (1967) Assistant Professor of Biology
A.B. (1960); Ph.D. (1965), University of California, Los Angeles.

Robert T. Goss (1966) Instructor in German

John E. Hafstrom (1965) Professor of Mathematics; Chairman, Department of Mathematics
B.S. (1936), North Dakota State University; M.A. (1949), Ph.D. (1954), University of Minnesota.

William L. Haney (1967) Assistant Professor of Art

Arlo D. Harris (1967) Assistant Professor of Chemistry
B.S. (1961), University of Dayton; Ph.D. (1964), Tulane University.
Robert R. Harrison (1965) Professor of Art
B.F.A. (1941), Wayne University; M.A. (1942), Ph.D. (1957), State University of Iowa.

John M. Hatton (1967) Associate Dean, Counseling and Testing; Assistant Professor of Psychology
B.A. (1961), University of Minnesota; Ph.D. (1965), Stanford University.

Jesse Hiraoka (1965) Professor of French; Chairman, Division of Humanities
B.A. (1950), Roosevelt University; M.A. (1955), University of Chicago; Ph.D. (1962), Northwestern University.

Dennis L. Ikenberry (1965) Assistant Professor of Physics

George Iwanaga (1966) Instructor in Spanish
B.A. (1959), Texas Western College; M.A. (1961), University of Arizona.

Jorun B. Johns (1965) Assistant Professor of German
Ph.D. (1956), University of Vienna.

Paul J. Johnson (1966) Assistant Professor of Philosophy

Lee H. Kalbus (1965) Professor of Chemistry
B.S.Ed. (1950), Wisconsin State University; Ph.D. (1954), University of Wisconsin.

Selma Keller (1966) Librarian II
B.A. (1940), University of Utah; B.S. in L.S. (1941), University of Denver.

Leo E. Kreter (1965) Associate Professor of Music

Joseph Labat (1966) Assistant Professor of French
B.A. (1960), University of Montreal; M.A. (1966), University of Missouri.

Kenneth E. Lyon (1967) Associate Professor of Education
B.S. (1950), M.S. (1952), Utah State University; Ed.D. (1962), University of California, Berkeley.

Sarojam K. Mankau (1966) Lecturer in Biology
B.A. (1949), Women's Christian College, India; M.S. (1952), Ph.D. (1956), University of Illinois.

Peter T. Marcy (1965) Assistant Professor of History; Associate Dean, Academic Administration

E. Clark Mayo (1967) Assistant Professor of English
B.A. (1960), Brown University; B.D. (1963), Union Theological Seminary; M.A. (1965), University of Chicago.

Kenton L. Monroe Associate Professor of Psychology; Dean of Students
B.A. (1959), University of Oregon, M.S. (1963), Ph.D. (1964), Purdue University.

Ward M. McAfee (1965) Assistant Professor of History

George L. McMichael (1962) Professor of English
Arthur Nelson (1963) — College Librarian

Emily Nisbet (1966) — Librarian II

C. Michael O’Gara (1964) — Professor of Physical Education;
B.S. (1944), M.S. (1952), University of California, Los Angeles.

Fernando Penalosa (1965) — Professor of Sociology

Stuart M. Persell (1967) — Assistant Professor of History
B.A. (1962), University of California, Santa Barbara; M.A. (1963), Stanford University.

Ralph H. Petrucci (1964) — Professor of Chemistry;
B.S. (1950), Union College; Ph.D. (1954), University of Wisconsin.

John M. Pfau (1962) — President; Professor of History

Phillip Present (1966) — Assistant Professor of Political Science
B.A. (1961), Principia College; M.A. (1962), University of California, Los Angeles; Ph.D. (1966), University of Southern California.

Robert R. Roberts (1963) — Professor of History;

Hortensia Sandoval (1965) — Instructor in Spanish
B.A. (1960), Texas Western College; M.A. (1966), University of Arizona.

Gerald M. Scherba (1962) — Dean of Academic Affairs;

Kent M. Schofield (1966) — Assistant Professor of History
B.A. (1961), University of California, Riverside; M.A. (1962), Claremont Graduate School; Ph.D. (1966), University of California, Riverside.

Peter R. Schroeder (1967) — Assistant Professor of English
A.B. (1962), Stanford University; M.A. (1963), Harvard University.

Clarence F. Shutts (1965) — Associate Professor of Biology

Charles Howard Slaughter (1966) — Associate Professor of Education

Robert Albert Smith (1965) — Professor of History
B.Ed. (1941), Southern Illinois University; M.A. (1946), Ph.D. (1950), University of Illinois.

Lawrence E. Sneden II (1966) — Assistant Professor of Sociology
Power B. Sogo (1966) Professor of Physics
A.B. (1950), San Diego State College; Ph.D. (1955), University of California, Berkeley.

Alexander Sokoloff (1965) Professor of Biology
A.B. (1948), University of California, Los Angeles; Ph.D. (1954), University of Chicago.

Peter W. Sprague (1967) Assistant Professor of Chemistry
A.B. (1963), Adelbert College; Ph.D. (1966), Western Reserve University.

Richard K. Stensgaard (1966) Assistant Professor of English
B.S. (1952), University of California, Los Angeles; M.S. (1960), University of Southern California; Ph.D. (1964), University of California, Los Angeles.

Dale Swire (1966) Associate Professor of Physical Education

Leslie E. Van Marter (1965) Associate Professor of Philosophy

Rosemary Ward (1966) Librarian II
B.A. (1962), University of California, Riverside; M.S.L.S. (1964), University of Southern California.

Florence Weiser (1966) Lecturer in Chemistry
A.B. (1946), Brooklyn College; M.A. (1948), Indiana University.

Robert L. West (1966) Professor of Education; Chairman, Department of Education

Edward M. White (1965) Associate Professor of English; Coordinator, Department of English
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