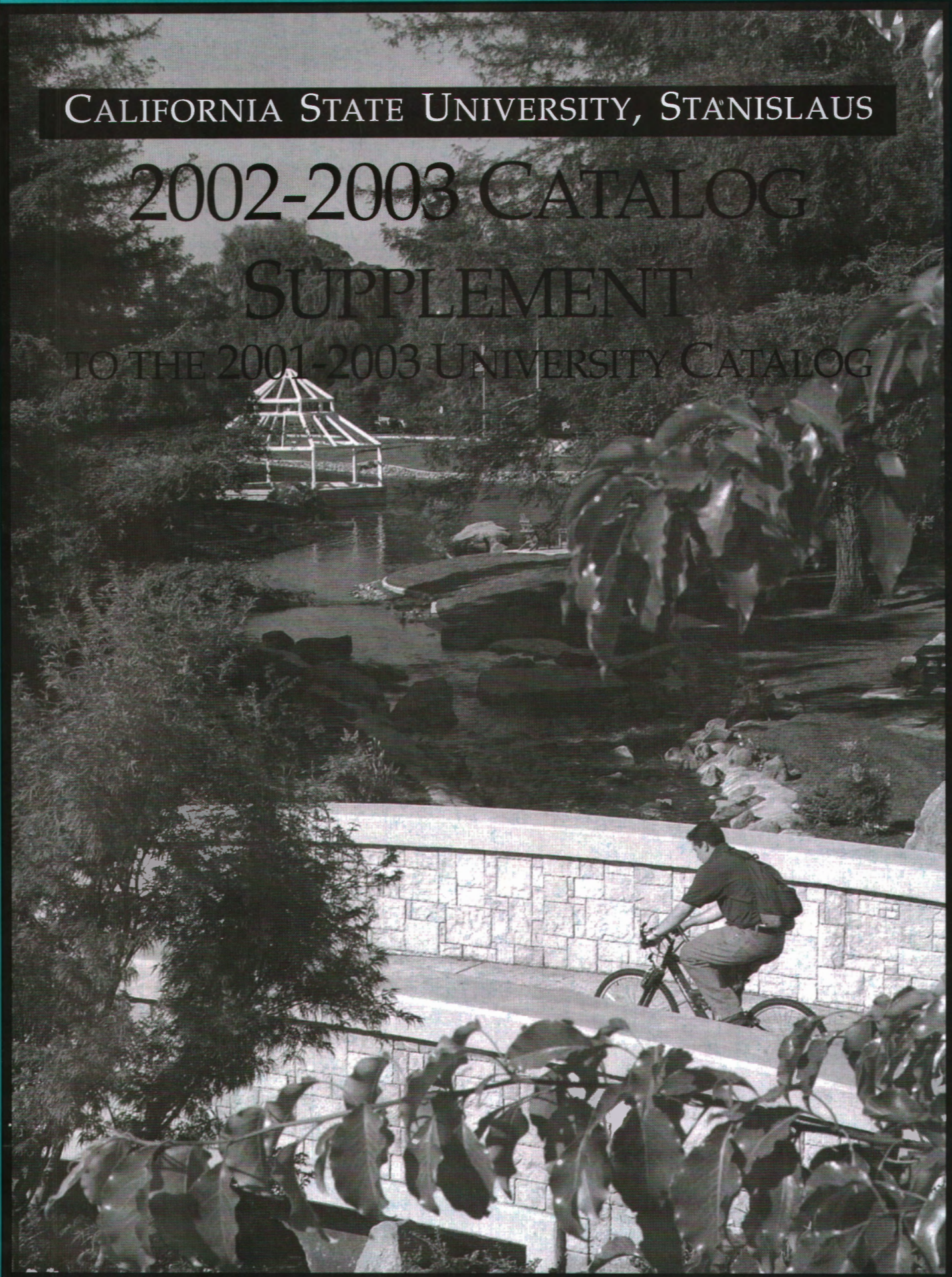


CALIFORNIA STATE UNIVERSITY, STANISLAUS

# 2002-2003 CATALOG

## SUPPLEMENT

TO THE 2001-2003 UNIVERSITY CATALOG





**2002-2003  
Catalog Supplement  
to the  
2001-2003 University Catalog**



**CSU  
STANISLAUS**

801. West Monte Vista Avenue  
Turlock, California 95382-0299  
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<http://www.csustan.edu>



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# President's Cabinet and Administration

## University Executive Cabinet

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Vice President for Student Affairs .....	Stacey L. Morgan-Foster
Vice President for Development and University Relations .....	Walter L. Strong
Executive Assistant to the President .....	Hobart Hamilton (Interim)
Assistant to the President for Equal Opportunity and Internal Relations .....	Thomas J. Young
Chief of Staff .....	Julia B. Fahrenbruch

## CSU Stanislaus Administration

<b>President</b> .....	<b>Marvalene Hughes</b>
Executive Assistant to the President .....	Hobart Hamilton (Interim)
Assistant to the President for Equal Opportunity and Internal Relations .....	Thomas J. Young
Chief of Staff .....	Julia B. Fahrenbruch

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Associate Dean .....	James M. Klein
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Biological Sciences .....	Wayna Pierce
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History .....	Nancy Taniguchi
Liberal Studies .....	Kathy Shipley
Mathematics .....	Judith L. Clarke
Modern Languages .....	Enrique López-Contreras
Music .....	Stephen Thomas
Nursing .....	Nancy Clark
Philosophy .....	James A. Tuedio
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Politics/Public Administration .....	Judith J. Hendricks
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Sociology/Criminal Justice .....	Paul O'Brien
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Senior Assistant Librarian  
(Reference) ..... Amy Andres  
Senior Assistant Librarian  
(Reference) ..... Virginia Orenstein  
Associate Librarian (Technical  
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Librarian (Systems) ..... Priscilla S. Peters  
Associate Librarian (Collection  
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Librarian (University Archivist/  
Reference) ..... Robert L. Santos  
Senior Assistant Librarian (Reference/  
Stockton Branch) ..... John Brandt

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Coordinator, Academic Services .. Pamela Craft

Dean, University Extended

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Services ..... Leland R. Bettencourt

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Lieutenant ..... Reggie Thompson  
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Safety Officer ..... Ronald Y. Misaki  
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**University Relations** ..... Walter L. Strong  
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Senior Director, University  
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Director, Research and Prospect  
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Director, Stanislaus Fund ..... Donna Dami  
Director, Alumni Relations ..... Jami Westervelt  
Director, Stockton  
Advancement ..... Frank Damrell III  
Public Affairs Specialist ..... Don Hansen

# California State University Stanislaus - Stockton

**Location:** 612 East Magnolia Street  
Stockton, CA 95202  
(209) 467-5300

**Dean:** Cynthia L. Morgan

**Director of Academic**

**Services:** Dave Hamlett

**Office Hours:** 8 a.m.-7 p.m. Monday-Thursday,  
8 a.m.-5 p.m. Friday

**Website:** <http://stockton.csustan.edu>

**Degree programs offered at CSU Stanislaus-Stockton:**

## **Bachelor of Arts**

- Child Development
- Criminal Justice
- History
- Liberal Studies Concentrations in:
  - Anthropology
  - Bilingual/Cross-Cultural Studies
  - Child Development
  - Communication Studies
  - Ethnic Studies
  - History
  - Psychology
  - Sociology
- Organizational Communication
- Psychology
  - Concentration in Developmental Psychology
- Social Sciences
- Communicative Disorders  
(offered by CSU Fresno in partnership with CSU Stanislaus)

## **Bachelor of Science**

- Applied Studies
- Nursing (BSN)

## **Master's Degrees**

- Education (MA)
  - Administration and Supervision
  - Multilingual Education
  - Reading
- Public Administration (MPA)
- Social Work (MSW)

## **Credentials**

- Elementary
  - CLAD/BCLAD (Preliminary and Clear)
- Secondary
  - Preliminary and Clear (Manteca field site)
- School Administration
  - Preliminary and Professional
- Reading
- Teacher Internships (Multiple Subject/CLAD)

The College of Business Administration offers undergraduate and graduate courses toward the B.S. in Business Administration and the Master of Business Administration (MBA) degrees at the Stockton campus. Students should consult with their academic advisers regarding regular class schedule, business course offerings in Stockton, and business administration degree requirements and completion.

## **CSU Stanislaus-Stockton**

CSU Stanislaus-Stockton is a branch campus of California State University, Stanislaus located in Stockton, California. The Stockton campus offers upper-division and graduate courses that earn full academic credit and lead to selected baccalaureate and master's degrees and credentials. CSU Stanislaus-Stockton has computer lab facilities, a library access center, a student lounge, a student health center, a bookstore, several beautifully landscaped courtyards for informal student and faculty gatherings, and an assortment of student services. The Stockton campus offers programs and courses at flexible hours. Working with other institutions, CSU Stanislaus-Stockton offers collaborative initiatives and programs to benefit the community. CSU Stanislaus-Stockton provides an opportunity to create a unique environment for learning and to form partnerships in the Stockton area and beyond. During the more than twenty years that CSU Stanislaus has been a presence in Stockton, productive relationships with other institutions and organizations have been developed. These relationships continue to enhance and enrich the programs offered at the Stockton campus.

**Accreditation:** Degree programs offered at CSU Stanislaus-Stockton are fully accredited by the Western Association of Schools and Colleges and are an integral part of the program of CSU Stanislaus. In addition, the following programs, offered at the Stockton campus, are accredited by their speciality organizations:

- College of Education - the National Council for Accreditation of Teacher Education (NCATE)
- and the California Commission on Teacher Credentialing (CCTC)
- Public Administration - the National Association of Schools of Public Affairs and Administration
- Nursing - Commission on Collegiate Nursing Education
- Social Work - Council on Social Work Education

**Recognition:** The American Association of State Colleges and Universities (AASCU) in Washington, D.C., with a membership of 360 universities and colleges nationwide, selected the Stockton Center and CSU Stanislaus for national recognition as an innovative educational program in 1984. In 1985, AASCU recognized the University's single subject credential fieldsite program in San Joaquin County in its annual "Showcase of Excellence" awards given for developing innovative teacher preparation curriculum.

**Applications and Information:** CSU Stanislaus-Stockton provides selected student services including admissions information, academic advising, assistance with financial aid, cashiering, WPST Testing, and writing tutoring.



## Admission and Registration Policies, Procedures, Fees

### Auditors

With the instructor's permission, admitted students may register in courses as auditors without credit. Auditors are not authorized in a full course. Enrollment will be permitted only after students otherwise eligible to enroll in the course on a credit basis have had an opportunity to do so. To add a class for audit, a registered student must file a program change form at the Enrollment Services Office. Auditors must pay the same registration fees as other students and may not change their registration to obtain credit after the last day to drop a course. A student registered for credit may not change to audit status after the last day to drop a course. An auditor may participate in class activities or take examinations with the instructor's consent. Regular class attendance is expected. An audited course will not be posted on the permanent academic record unless the student has formally registered for the course and, in the opinion of the instructor, has attended a substantial number of class meetings.

### Incomplete Work

An incomplete signifies (1) that a portion of required course work has not been completed and evaluated in the prescribed time period due to unforeseen but fully justified reasons beyond the student's control, and (2) that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the attention of the instructor and to determine from the instructor the remaining course requirements which must be satisfied to remove the incomplete. The conditions for removal of the incomplete shall be put in writing by the instructor and given to the student, with a copy placed on file with the department chair. A final grade will be assigned when the work agreed upon has been completed and evaluated.

Any incomplete must be made up within the time limit set by the instructor; in any case, no more than one calendar year following the end of the term in which the incomplete was assigned. This limitation prevails whether or not the student maintains continuous enrollment. Failure to complete the assigned work will result in an incomplete reverting to a grade of NC for grading options 1 and 2, and to a grade of IC for grading option 3. (See "Academic Standards" section of this catalog and the *Schedule of Classes* for grading options.)

In cases of prolonged illness or any emergency which necessitates an extension of time to complete the course, the student may petition through the academic departments where the course was offered. Students may not be permitted to graduate until all incompletes are removed or evaluated as "F" grades. **Students are not to reregister in courses in which they have an incomplete.**

### Report in Progress Work

The RP (Report in Progress, formerly Satisfactory Progress Work) symbol is used in connection with courses that extend beyond one academic term (e.g. master's thesis or project). It indicates that work is in progress, but that assignment of a final grade must await completion of additional work.

RP grades shall be removed within one year after issuance of the grade except for graduate degree thesis or project. A student whose thesis or project is planned to extend over more than the term of first enrollment in a 5990 or 5960 course may receive a report in progress (RP) grade. The RP will remain through the period of the program which is limited to a maximum of seven years. If the RP is not removed within these time limits, the grade will revert to NC for grading options 1 and 2, and to a grade of F for grading option 3. An extension of time may be granted via appropriate petition to the academic department where the courses were offered for undergraduate students or the Graduate School for graduate students.

### Administrative Symbols

**WU—Withdrawal Unauthorized:** The symbol WU indicates that an enrolled student did not withdraw from the course and failed to complete course requirements. It is used for courses graded A–F when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. In courses where the student is graded CR/NC, use of the WU is inappropriate and NC is used instead. For purposes of grade point average computation, the WU symbol is equivalent to an F.

**IC—Incomplete Course:** Students have not completed course requirements due to reasons beyond their control. Must be made up within the time limit set by the instructor (no more than one calendar year following the end of the term in which the grade was assigned). Failure to complete the assigned work will result in an incomplete reverting to a grade of NC for grading options 1 and 2; and to a grade of IC for grading option 3. (See Grading Options below.) An extension of time may be granted via approved petition. Not used in grade point average calculation. (See Incomplete Work under Academic Policies and Procedures.)

**RD—Report Delayed:** No grade reported by the instructor. RD grades will revert to a NC or WU grade, depending on the course grading option, **one semester** after assignment.

**W—Withdrawn from Course:** Indicates that the student was permitted to drop the course after the enrollment census date. It carries no connotation of quality of student performance and is not used in calculating grade point average. (See Withdrawal from CSU Stanislaus in "Policies and Procedures" section of this catalog.)

**RP—Report in Progress:** Indicates that work is in progress, but that assignment of a final grade must await completion of additional work which normally requires more than one term to complete (e.g., master's thesis). RP grades shall be removed within **one year** after issuance of the grade except for thesis or project. A student whose graduation thesis or project is planned to extend over more than the term of first enrollment in a 5990 or 5960 course may receive an RP grade. The RP will remain through the period of the program which is limited to a maximum of seven years. If the RP is not removed within these time limits, the grade will revert to NC for grading options 1 and 2 and to a grade of F for grading option 3. An extension of time may be granted by approved petition. The RP is not used in grade-point average calculation. (See Academic Policies and Procedures.)

**AU—Audit:** The recorded grade if a student enrolls in a class and fulfills attendance requirement but is not receiving credit. Not used in grade point average calculation. (See Auditors under Academic Policies and Procedures.)

**IC—Incomplete Charged:** The IC symbol is used when a student who received an authorized incomplete "I" in a course with grading option 3 has not completed the required course work within the allowed time limit. The IC replaces the "I" and is counted as a failing grade for grade point average and progress point computation.

### Grade Point Computation

Grade point averages are computed by multiplying units and grade points in courses graded A, B, C, D, F, IC, and WU and dividing the total number of grade points by the number of graded units attempted. Prebaccalaureate courses and courses with the administrative symbols: AU (Audit), CR (Credit), I (Incomplete), NC (No Credit), RD (Report Delayed), RP (Report in Progress), and W (Withdrawn) are not included in this calculation. Plus/minus grading is a faculty option. Faculty members who choose this option must state in their course syllabi if this option will be used. If an instructor uses this option it applies to all students in the class. The effect is explained below:

Grade	Plus (+) Grade Points	Standard Grade Points	Minus (-) Grade Points
A	N/A	4.0	3.7
B	3.3	3.0	2.7
C	2.3	2.0	1.7
D	1.3	1.0	0.7
F	N/A	0.0	N/A
WU	N/A	0.0	N/A

### Repeated Courses

Courses may be repeated **by undergraduate students** and only the most recent grade earned will be used for credit and grade points. The grading option for the

original effort and the repeated effort must be the same. This provision for repetition is not applicable when a course may be taken additional times for credit. The replacement grade policy also is not applicable to grades or administrative symbols which do not affect units allowed or grade point average (e.g., NC, I, RD, W, RP, AU).

Postbaccalaureate students doing work at the undergraduate level, such as pursuing a second major, are to be treated as undergraduates for purposes of repeating a course. Graduate students, by prior permission of the department, may repeat a course, and the original grade will be included in computing the grade point average but will not be included in computing the grade point average for the master's degree.

A student should file a Notification of Repeated Course form at the Enrollment Services Office immediately after the course is repeated.

At admission to CSU Stanislaus, the repeated-course actions and policies of former institutions will be honored. This section concerning repeated courses applies only to CSU Stanislaus course work taken after Spring 1973.

### Course Level Identification

- 0001-0999... Prebaccalaureate. These courses do not carry unit credit toward the 120 units required for a Bachelor's degree and is not included in grade point average calculations. May be used in financial aid unit calculations and excess unit approval requirements.
- 1000-2999... Lower-division courses designed primarily for freshmen and sophomores
- 3000-4999... Upper-division courses designed primarily for juniors and seniors, and certain selected courses for graduate students. These courses should be taken by freshmen and sophomores only under unusual circumstances approved by both the instructor and major adviser.
- 5000-5999... Graduate Courses for degrees. These courses are open only to qualified graduate students. (Last semester seniors within 9 semester units of graduation may enroll for postbaccalaureate credit after obtaining written approval.)
- 6000-6999... Professional postbaccalaureate courses. These courses do not substitute for course credit in a credential sequence and will not be applied toward General Education, major, minor, or elective requirements for the bachelor's degree.
- 7000-7999... Noncredit courses. Not applicable to baccalaureate or advanced degrees, or to a credential program.
- 8000-8999... Extended Education Certificate program courses and those yielding continuing education units (CEUs). Not applicable to baccalaureate or advanced degrees, or to a credential program.

*Note: Only courses numbered 1000-4999 for undergraduate students carry unit credit toward the 120 units required for a Bachelor's degree.*

## General Education Curriculum

The curriculum of general education is central to the mission of CSU Stanislaus and to the explicit commitment to a quality liberal arts education.

The purpose of general education is to provide a common educational experience for students, regardless of major field of study. The faculty are committed to ensuring that the general education program cultivates knowledge, skills, and values that are characteristic of a learned person.

The general education program is organized into five subject areas of communication skills, natural sciences and mathematics, humanities, social sciences, and individual resources for modern living. The general education program also includes required courses in history and government. The multicultural education requirement offers students course work which addresses multicultural/ethnic studies/gender/or nonwestern cultures issues.

The academic goals of the University specify that the University will guide students to attain mastery in the search for knowledge and to become critical thinkers who have attained effective levels of expressive and scientific literacy. Those who graduate will be versatile in their approach to problems and refined in their ability to frame and test intellectual arguments and hypotheses. They will have knowledge of the arts, history, and cultural identities of past and current societies. They will understand the value of being caring and humane citizens engaged by the challenges facing their evolving communities.

The University provides curricular and co-curricular activities to enhance global thinking and environmental awareness, and to cultivate respect for cultural diversity, both within and beyond the boundaries of its educational community.

The University collaborates with partners in its surrounding communities to provide "service learning" opportunities for enhancing the educational experiences and civic awareness of our students.

The general education program is designed to ensure the following goals:

1. to provide students with a comprehensive overview of the disciplines' basic principles, methodologies, and perspectives.
2. to introduce students to the disciplines' subject matter.
3. to introduce students to cultural diversity as appropriate to the subject matter.
4. to demonstrate to students a discipline's interrelationships with other disciplines.
5. to require students to demonstrate clear communication and logical thinking skills.

The Schedule of Classes and the catalog designate the current courses offered at CSU Stanislaus, which are

applicable to General Education requirements. Only courses so designated are approved for credit applicable to General Education. All enrolled undergraduates should, therefore, refer to the current General Education Curriculum which lists acceptable General Education courses.

The University's General Education requirements are prescribed by the California Code of Regulations. It consists of a minimum of 51 semester units as described below, including at least 9 upper-division units. At least 9 of these 51-semester units shall be earned at the University. However, credit earned in fulfillment of the upper-division writing competency graduation requirement is not applicable to this 51-unit General Education program. The University accepts certification of General Education—Breadth requirements by a California Community College or a CSU campus, according to CSU regulations. Upon request, the University will report completion of these requirements to another CSU campus.

CSU General Education-Breadth Requirements are designed so that, taken with the major-depth program and electives presented by each baccalaureate candidate, they will assure that graduates have made noteworthy progress toward becoming truly educated persons. Particularly, the purpose of these requirements is to provide means whereby graduates

- will have achieved the ability to think clearly and logically, to find information and examine it critically, to communicate orally and in writing, and to reason quantitatively;
- will have acquired appreciable knowledge about their own bodies and minds, about how human society has developed and how it now functions, about the physical world in which they live, about the other forms of life with which they share that world, and about the cultural endeavors and legacies of their civilizations;
- will have come to an understanding and appreciation of the principles, methodologies, value systems, and thought processes employed in human inquiries.

### A. Communication Skills

(9 units minimum)

**Note:** Area A, 1, 2 and 3 must be completed before the junior year. Transfer students who have not completed Area A must do so during their first year in residence.

#### 1. Oral Communication Requirement

- |           |  |
|-----------|--|
| COMM 2000 | Public Speaking, 3 units, <i>or</i>            |
| COMM 2005 | Honors Communication Seminar, 3 units          |
|           | (COMM 2005 is the Honors version of COMM 2000) |
| COMM 2110 | Group Discussion Processes, 3 units            |

#### 2. Written Communication Requirement

- |           |  |
|-----------|--|
| ENGL 1001 | First-Year Composition, 3 units, <i>or</i>                                 |
| ENGL 1002 | First-Year Composition (Computer Assisted Instruction), 4 units, <i>or</i> |

ENGL 1005 Honors Composition, 3 units  
(ENGL 1005 is the Honors  
version of ENGL 1002)  
(All require an EPT score of 149 or above prior  
to enrollment.)

**3. One course selected from the following:**

ENGL 2000 Critical Inquiry, 3 units, or  
PHIL 2000 Philosophical Inquiry, 3 units  
PHIL 2005 Honors Critical Thinking, 3 units  
(PHIL 2005 is the Honors  
version of PHIL 2000)  
PHIL 2100 Logic, 3 units

**B. Natural Sciences and Mathematics**

(9 units minimum)

*Note: Complete at least one course from each of the three  
groups listed below. This must include a laboratory  
course from either group 1 or 2.*

**1. Physical Sciences Requirement**

ASTR 2100 Descriptive Astronomy, 3 units,  
**and**  
ASTR 2112 Optional lab, 1 unit  
CHEM 1000 Chemistry in the Modern World,  
3 units, **and**  
CHEM 1002 Optional lab, 1 unit  
CHEM 1100 Principles of Chemistry I,  
5 units (includes lab)  
CHEM 1110 Principles of Chemistry II,  
5 units (includes lab)  
CHEM 2400 Science of Winemaking, 4 units  
(no lab credit)  
CHEM 2500 Chemistry of Photography,  
4 units (includes lab)  
CHEM 2600 Consumer Chemistry, 4 units  
GEOL 2001 Regional Geology of California,  
3 units (includes lab)  
GEOL 2100 Principles of Geology, 3 units  
(no lab credit)  
GEOL 2102 Principles of Geology Lab,  
1 unit  
GEOL 2200 Historical Geology, 4 units  
(includes lab)  
GEOL 2400 Introduction to Earth Science,  
3 units  
PHSC 1300 Environmental Pollution, 3 units  
(no lab credit)  
PHSC 2100 Atmosphere, Weather, and  
Climate, 3 units (no lab credit)  
PHYS 1500 Energy and Matter, 3 units, **and**  
PHYS 1502 Optional lab, 1 unit  
PHYS 2100 Basic Physics I, 5 units  
(includes lab)  
PHYS 2110 Basic Physics II, 5 units  
(includes lab)  
PHYS 2250 General Physics I, 4 units, **and**  
PHYS 2252 Optional lab, 1 unit

**2. Biological Sciences**

BIOL 1010 Principles of Biology, 3 units  
(no lab credit)  
BIOL 1020 World of Biology Laboratory,  
1 unit, taken concurrently with  
BIOL 1010

BIOL 2300 Human Genetics, 3 units  
(no lab credit)  
BIOL 2650 Environmental Biology, 3 units  
(no lab credit)  
BOTY 1050 Introduction to Botany, 4 units  
(includes lab)  
ZOO 1050 Introduction to Zoology,  
4 units (includes lab)

**3. Mathematics**

*Note: Area B3 must be completed before the Junior year;  
transfer students who have not completed Area B3 must  
do so during their first year in residence. Requirements  
may be partially satisfied by acceptable scores on a  
CLEP Subject Examination or a CSU mathematics test  
(See Appendix O in the 2001-2003 University Catalog.  
See Appendix L in the 2001-2003 University Catalog for  
Learning Disabled Student waiver.)*

MATH 1000 Excursions into Mathematics,  
3 units  
MATH 1030 Elementary Foundations of  
Mathematics I, 3 units  
MATH 1070 College Algebra, 3 units  
MATH 1080 Trigonometry, 3 units  
MATH 1100 Precalculus, 4 units  
MATH 1410 Calculus I, 4 units  
MATH 1500 Finite Mathematics, 3 units  
MATH 1600 Statistics, 4 units  
MATH 1610 Statistics for Decision Making,  
3 units  
MATH 1910 Calculus with Applications I,  
3 units

*Note: All the above MATH courses require an ELM score  
of 50 or above prior to enrollment.*

**C. Humanities Requirement**

(9 units minimum)

*Note: Humanities requirements may be satisfied partially  
by acceptable scores on the CLEP Humanities General  
Examination.*

*Note: Include at least 3 units from group 1, and 3 units from  
group 2, below.*

**1: Arts**

ART 1000 Introduction to Studio Art,  
3 units  
ART 1100 Visual Principles, Two-  
Dimensional, 3 units  
ART 1200 Visual Principles, Three-  
Dimensional, 3 units  
ART 1340 Introduction to Ceramics,  
3 units  
ART 2515 Art History Survey-Ancient,  
3 units  
ART 2520 Art History Survey-Modern,  
3 units  
ART 2525 Art History Survey-Non-  
Western, 3 units (G)  
ART 2530 Art Appreciation, 3 units  
FA 1000 Introduction to the Fine Arts,  
3 units  
FA 1010 Fine Arts Practicum:  
Introduction to Visual Art,  
3 units

FA 1020	Fine Arts Practicum: Introduction to the Theatre, 3 units
FA 1030	Fine Arts Practicum: Introduction to Music Skills, 3 units
MUS 1000	Introduction to Music, 3 units
MUS 1190	Music Fundamentals, 3 units
MUS 2000	Music of World Cultures, 3 units (G)
MUS 2400	Orchestra, 1 unit
MUS 2410	Concert Chorale, 1 unit
MUS 2430	University Chamber Singers, 1 unit
MUS 2440	Wind Ensemble, 1 unit
THEA 1010	Introduction to Theatre, 3 units
THEA 1110	Playgoing, 3 units
THEA 1500	Acting for Non-Theatre Majors, 3 units
THEA 1510	Dance for the Stage, 3 units
THEA 2300	Theatre Workshop I, 3 units

## 2. Literature/Philosophy

ENGL 1010	Introduction to Literature, 3 units
HUM 2000	Introduction to the Humanities, 3 units
PHIL 1010	Introduction to Philosophy, 3 units
PHIL 2200	Ancient Philosophy, 3 units
PHIL 2230	Modern Philosophy, 3 units
PHIL 2400	Contemporary Moral Issues, 3 units
PHIL 2700	Introduction to Political Philosophy, 3 units

## 3. Foreign Language

- a. Most lower-division language or literature courses taught in a foreign language.
- b. ESL 1000 Beginning English and Grammar for ESL Students, 4 units
- ESL 1005 Intermediate English and Grammar for ESL Students, 4 units
- ESL 2000 English Grammar and Composition for Foreign Students, 3 units

## D. Social, Economic, and Political Institutions and Human Behavior

(12 units minimum)

### 1. United States History and Constitution/ California State and Local Government:

Students may satisfy subject requirements in United States History and Constitution and California State and Local Government by passing departmental examinations in these fields.

The *California Code of Regulations*, Title 5, Section 40404, requires "...appropriate courses in the Constitution of the United States, and in American history, including the study of American institutions and ideals, and of the principles of state and local government established under the

Constitution of this State...." Completion of one course under (a) and the course under (b) below satisfies these requirements.

- a. One of the following United States history courses (which are not applicable to the upper-division General Education requirements):
- |           |   |
|-----------|---|
| HIST 2600 | Problems in U.S. History,<br>3 units    |
| HIST 3610 | Colonial America, 3 units               |
| HIST 3620 | Early National America,<br>3 units      |
| HIST 3630 | America After the Civil War,<br>3 units |
| HIST 3640 | Contemporary America,<br>3 units        |
- b. One course covering United States Constitution and California State and local government:
- |           |                                 |
|-----------|---------------------------------|
| PSCI 1201 | American Government,<br>3 units |
|-----------|---------------------------------|

2. A minimum of one course from each group is required.

Note: Requirements may be satisfied partially by acceptable scores on the CLEP Social Sciences General Examination.

### a. Human Institutions: Structures and Processes:

COMM 2011	Introduction to Communication Studies, 3 units
COMM 2200	Introduction to Mass Media, 3 units
ECON 2500	Principles of Macroeconomics, 3 units
ECON 2510	Principles of Microeconomics, 3 units
HIST 1010	World Civilizations I, 3 units (G)
HIST 1020	World Civilizations II, 3 units (G)
RSCI 2000	Introduction to Political Science, 3 units
PSCI 2030	Global Politics, 3 units (G)
SOCL 1010	Introduction to Sociology, 3 units

### b. Society and Culture

ANTH 2060	Introduction to Cultural Anthropology, 3 units (G)
ANTH 2080	Introduction to Physical Anthropology, 3 units
ANTH 2090	Introduction to Archaeology, 3 units
COGS 2100	Introduction to Cognitive Studies, 3 units
CJ-2250	Introduction to Criminal Justice, 3 units
ETHS 2000	Contemporary African American Studies, 3 units
ETHS 2100	Contemporary Chicano Studies, 3 units
ETHS 2200	Contemporary Asian American Studies, 3 units

GEND 2020	Introduction to Women's Studies, 3 units
GEOG 2010	Introduction to Natural Environment, 3 units
GEOG 2020	Introduction to Cultural Geography, 3 units (G)
GEOG 2400	World Regional Geography I: Europe and Asia, 3 units
GEOG 2410	World Regional Geography II: Africa, Australia, and Latin America, 3 units
NURS 1040	Human Development Over the Life Span, 3 units
PSYC 2010	Introduction to Psychology, 3 units

**E. Individual Resources for Modern Living**  
(3 units minimum)

**1. Include one course from each group of courses:**

<b>a. CIS 2000</b>	Introduction to Business Computer Systems, 3 units
CS 2000†	Effective Computing, 3 units
GEND 2500	Women's Development and Lifestyle Choices, 3 units
HLTH 1000	Health in Today's Society, 3 units
HONS 3500	Information/Research/Analysis, 3 units
NURS 2040	Better Health with Self-Care, 2 units
NURS 2042	Better Health with Self-Care Activity, 1 unit
PSYC 1000	Sexual Behavior, 3 units
PSYC 2030	Psychology of Adjustment, 3 units
SOCL 2000	Intergenerational Experiences and Life Course Developments, 3 units

† Students may not use both CS 2000 and CS 4000 to satisfy G.E. requirements.

**b. PHED 1010-1999 Physical Education Activities, 1 unit**

Note: Students age 25 years or older at entry to CSU Stanislaus will not be held for this requirement.

**F. Upper-Division General Education Requirements**  
(9 units minimum)

Each student is to complete a minimum of 9 units of upper-division level General Education course work. These courses may be taken no earlier than the term in which upper-division status (completion of 60 semester units) is attained.

Students will not be given upper-division General Education credit for course work in the discipline(s) of their major or concentration. The distribution of the 9 semester units must include 3 units from each of the three following areas:

**1. Natural Science and Mathematics**

**a. Biology**

BIOL 3000	Frontiers in Biology, 3 units
BIOL 3020	Introduction to Evolution, 3 units

**b. Chemistry**

CHEM 3070	The Chemicals in Your Life, 3 units
CHEM 3100	Environmental Chemistry, 3 units

**c. Computer Science**

CS 4000†	Personal Computing, 3 units
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† Students may not use both CS 2000 and CS 4000 to satisfy G.E. requirements.

**d. Mathematics**

MATH 3030	Mathematics for Elementary and Middle School Teachers, 3 units
MATH 3350	Applied Mathematical Models, 3 units

**e. Other Natural Sciences**

NSCI 3000	Sciences for Self-Sufficiency, 3 units
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**f. Physics and Physical Sciences**

ASTR 3000	Contemporary Astronomy, 3 units
GEOL 3000	Physical and Environmental Geology, 4 units
GEOL 3500	Earthquakes and Volcanoes, 3 units
PHSC 3500	Solar and Other Alternative Energies, 3 units
PHYS 3080	How Things Work, 3 units
PHYS 3520	Modern Physics and Quantum Mechanics, 3 units

**2. Humanities**

**a. Art**

ART 4545	Modern Art 1870-1945, 3 units
ART 4555	American Art, 3 units

**b. English**

ENGL 3920	Masterpieces of World Literature, 3 units
ENGL 3940	Multicultural American Literature, 3 units (G)
HUM 3000	Exploration in Humanities, 3 units

**c. Foreign Languages**

FREN 3930	French Literature in Translation, 3 units
PORT 3930	Portuguese and Brazilian Literature in Translation, 3 units
SPAN 3930	Spanish/Latin American Literature in Translation, 3 units
SPAN 3970	Contemporary Latin American Prose in Translation, 3 units

**d. Music**

MUS 3400 American Music, 3 units  
MUS 3410 History of Jazz, 3 units

**e. Philosophy**

PHIL 3010 Classics of Western  
Philosophy, 3 units  
PHIL 4401 Professional Ethics, 3 units

**f. Theatre**

THEA 3020 Children's Theatre, 3 units  
THEA 4550 American Theatre,  
3 units (G)

**3. Social, Economic, and Political Institutions  
and Human Behavior****a. Anthropology**

ANTH 3000 Anthropology and Modern  
Social Issues, 3 units (G)  
ANTH 3010 The Great Discoveries,  
3 units

**b. Business Administration**

(Not for Business majors)

AOC 3005 Personal Financial  
Planning, 3 units  
CIS 3780 Management Information  
Systems and  
Microcomputers, 3 units  
FIN 3210 Investment Management,  
3 units

**c. Cognitive Studies**

COGS 3100 Communication Networks,  
3 units  
COGS 4100 Philosophical Aspects of  
Cognitive Science, 3 units

**d. Communication Studies**

COMM 3100 Advanced Interpersonal  
Communication, 3 units  
JOUR 3040 History of Journalism,  
3 units

**e. Economics**

ECON 3100 Economic History of the  
United States, 3 units  
ECON 4500 Economics of Investment,  
4 units

**f. Ethnic Studies**

ETHS 4200 The Minority Experience,  
3 units (G)

**g. Gender Studies**

GEND 3550 Society and Gender, 3 units  
GEND 4530 Gender and Sexuality in  
Literature, 3 units (G)

**h. Geography**

GEOG 3020 Human Ecology, 3 units  
GEOG 3340 California Cultures and  
Environments, 3 units

**i. Health**

HLTH 4300 Family Health, 3 units (G)  
NURS 3040 Women's Health, 3 units

**j. History**

HIST 3090 Contemporary World  
History, 3 units (G)  
HIST 3400 The Great Teachings,  
3 units (G)

**k. Multidisciplinary**

MDIS 4400 Politics of the Environment,  
3 units

**l. Politics and Public Administration**

PSCI 3225 Civil Liberties, 4 units  
PSCI 3555 Marx on the Human  
Condition, 3 units  
PSCI 4050 Big Arguments: Clashes  
and Connections, 4 units

**m. Psychology**

PSYC 3340 Human Development III:  
Adulthood and Aging,  
3 units, **or**  
CDEV 3340 Human Development III:  
Adulthood and Aging,  
3 units  
PSYC 4250 Drugs and Behavior, 3 units

**n. Sociology**

SOCL 3150 The Family, 3 units  
SOCL 4520 Personality and Society,  
3 units

**G. Multicultural Requirement**

(3 units minimum)

Within General Education selections, students must complete at least 3 units of the following course work that addresses multicultural, ethnic studies, gender, or nonwestern cultures issues. Courses that fulfill both the multicultural and another General Education area requirement are indicated below and are cross-referenced above with a "(G)":

ANTH 2060 Introduction to Cultural  
Anthropology, 3 units (D2)  
ANTH 3000 Anthropology and Modern  
Social Issues, 3 units (F3)  
ANTH 3900 Women: A Cross-Cultural View,  
3 units  
ANTH 4165 The Family in Cross-Cultural  
Perspective, 3 units  
ANTH 4211 The World in Change, 3 units  
ART 2525 Art History Survey—Non-  
Western, 3 units (C1)  
COMM 4160 Intercultural Communication,  
3 units  
CJ 3315 Hate Crimes, 3 units  
ENGL 3940 Multicultural American  
Literature, 3 units (F2)  
ENGL 4530 Gender and Sexuality in  
Literature, 3 units  
ETHS 4200 The Minority Experience,  
3 units (F3)  
ETHS 4350 Multiculturalism: From Bias to  
Reality, 3 units

GEND 3320	The Sociology of Men and Society, 3 units
GEND 3700	Ethnic and Gender Politics, 4 units
GEND 3900	Women: A Cross-Cultural View, 3 units
GEND 4350	Multiculturalism: From Bias to Reality, 3 units
GEND 4530	Gender and Sexuality in Literature, 3 units (F3)
GEND 4600	Philosophy and Feminism, 3 units
GEOG 2020	Introduction to Cultural Geography, 3 units (D2)
GEOG 3010	Cultural Geography, 3 units
GEOG 3330	Ethnic Geography, 3 units
GEOG 3580	Cultural Ecology of Southeast Asian Peoples, 4 units
HLTH 4300	Family Health, 3 units (F3)
HIST 1010	World Civilizations I, 3 units (D2)
HIST 1020	World Civilizations II, 3 units (D2)
HIST 3090	Contemporary World History, 3 units (F3)
HIST 3400	The Great Teachings, 3 units (F3)
MDIS 3400	Latin-American Cultures, 3 units
MUS 2000	Music of World Cultures, 3 units (C1)
PHIL 4450	Eastern Philosophy: Concepts, Methods, and Context, 3 units
PSCI 2030	Global Politics, 3 units (D2)
PSCI 3700	Ethnic and Gender Politics, 4 units
PSCI 3810	Multicultural Community Building and Conflict Resolution, 3 units
SOCL 3250	Social Issues in Cross-Cultural Perspective, 3 units
SOCL 3320	The Sociology of Men and Society, 3 units
SOCL 4010	Race and Ethnic Relations, 3 units
THEA 4550	American Theatre, 3 units (F2)

## Goals for General Education Courses

Each GE course must demonstrate how it will meet Goals 1-5 and either Goal 6, Goal 7, or both Goals 6 and 7.

- 1. Subject Knowledge.** To provide an educational experience that will enhance students' understanding of the disciplines' basic principles, methodologies, and perspectives.
- 2. Communication.** To provide an educational experience that will enhance the ability to communicate.
- 3. Inquiry and Critical Thinking.** To provide an educational experience that will enhance critical thinking skills and will contribute to continuous inquiry and life-long learning.
- 4. Information Retrieval and Evaluation.** To provide an educational experience that will enhance the ability to find, understand, examine critically, and use information from various sources.
- 5. Interdisciplinary Relationships.** To provide an educational experience that will enhance students' understanding of a discipline's interrelationships with other disciplines.
- 6. Global or Multicultural Perspectives.** To provide an educational experience that will enhance the ability to look at issues from multiple perspectives and/or that will describe the discipline's impact on or connection to global issues, AND/OR.
- 7. Social Responsibility.** To provide an educational experience that will help students understand the complexity of ethical judgment and social responsibility and/or that will describe the discipline's impact on or connection to social and ethical issues.

## Multicultural Courses

In addition, courses that meet the requirements for General Education Area G, Multicultural requirement, are those classes of 3 or more units that address multicultural issues, ethnic studies, gender issues, or non-western cultures as follows:

- Multicultural courses should discuss more than one culture but include the study of one culture in some depth.
- Multicultural courses should show that there are differences between cultures, show ways to study such differences, and stimulate students to do additional studies.



## The Summit Program

Students have the option of joining the Summit Program as an alternative way to fulfill their 9 units of Upper-Division General Education requirements (area F). Currently, students select one course from each of three areas: Math/Sciences, Humanities, and Social Sciences.

The Summit Program provides an exciting new way to fulfill these 9 units by enrolling in a cluster. Each cluster includes one Math/Science course, one Humanities course, and one Social Science course. These are the features of the Summit Program:

1. Each cluster includes 3 courses that have been linked on an engaging topic. Faculty members will integrate the 3 courses so that what students learn in one course will become the foundation to the learning in the next course.
2. Students will take all 3 courses with the same classmates. This will give students the opportunity to get to know each other and interact easily with each other in class discussions and group projects.
3. All 3 faculty members in the cluster will be interacting with students over all 3 courses. Students will be able to develop a personal relationship with them—they will know students by name.
4. Enrolling in the Summit Program can begin in the term in which a student attains upper-division status (completion of 60 semester units).
5. Students may enroll in any cluster, regardless of their major, and have the cluster fulfill the upper-division GE requirements.
6. Students must successfully complete all 3 courses in the cluster to have these courses fulfill upper-division GE requirements.
7. By completing the Summit Program, students also fulfill their multicultural requirement (Area G). One course in each cluster has been designated as a multicultural course.
8. Summit courses cannot be electives for a major or concentration; they may be used as electives in a minor.

To receive information about the Summit Program, visit the First Year Program-Advising Office in the Mary Stuart Rogers Gateway Center, 180, call 667-3304, or e-mail: Summit@stan.csusfan.edu

To enroll in the Summit Program visit either the First Year Program-Advising Office in MSR or see Dr. Marjorie Jaasma in DBH 128:

- Sign a learning contract that gives you information about the program.
- Receive an Add form that will have *one* of the Summit Program Cluster courses on it that you then take to Enrollment Services.

Select from the following 4 clusters:

### Cluster 1: *Waking Up to Nature: Ethics, Ecology, and Restoration Practices*

Can you live without frogs or spotted owls? Why care about the environment? Wondering what's happening to your environment and what you can do about it? Wrestle with environmental issues from around the world and close to home. Make a real contribution to our understanding of this Central California environment.

- Fall 2002: PHIL 4050 Environmental Ethics
- Winter 2003: BIOL 4050 Ecosystem Case Studies
- Spring 2003: GEOG 4050 Restorative Human Ecology\*

### Cluster 2: *The Real World: A Theatrical Work in Progress*

This theme will bring together 3 diverse topics in an entertaining and educational way. We'll learn real world applications for concepts of chemistry and accounting, and then bring that knowledge into play with the creation of an original theatrical script.

- Fall 2002: CHEM 3170 Real World Chemistry
- Winter 2003: ACCT 3170 Real World Accounting
- Spring 2003: THEA 3170 Real World Theatre: Comic Improvisation\*

### Cluster 3: *Humans in the Information Age*

Why do we seek the kinds of information we seek? What is the meaning of that information? In this cluster, we will examine questions about information and meaning, such as what we should do with human genetic information.

- Fall 2002: BIOL 4350, DNA: The Code of Life
- Winter 2003: COGS 4350, The Information of Meaning\*
- Spring 2003: PHIL 4350, Human Interests and the Power of Information

### Cluster 4: *Perceptions: How We See the World*

In this cluster, we will examine how we perceive the world around us through our senses and examine how our backgrounds influence our perceptions:

- Fall 2002: HUM 4750, Perceptions of Culture
- Winter 2003: HIST 4750, Comparative World Women: Perceptions of Gender\*
- Spring 2003: PHYS 4750, Physics of Perception

\*Designates Multicultural course that meets Area G requirement.

# CSU Stanislaus Fees and other Money Matters

	SUMMER 2002	FALL 2002	WINTER 2003	SPRING 2003	TOTAL Fall/ Winter/Spring
<b>REGISTRATION FEES:</b>					
STATE UNIVERSITY FEE > 6 UNITS- Undergraduate	\$75/UNIT Max \$714	650.00	128.00	650.00	1,428.00
STATE UNIVERSITY FEE <= 6 UNITS- Undergraduate	\$105/UNIT Max \$414	350.00	128.00	350.00	828.00
STATE UNIVERSITY FEE > 6 UNITS- Graduate	\$80/UNIT Max \$753	685.00	136.00	685.00	1,506.00
STATE UNIVERSITY FEE <= 6 UNITS- Graduate	\$110/UNIT Max \$438	370.00	136.00	370.00	876.00
IRA-INSTRUCTIONALLY RELATED ACTIVITY	0.00	21.00	5.00	21.00	47.00
HEALTH FACILITY	0.00	2.50	1.00	2.50	3.00
HEALTH SERVICES	0.00	73.00	22.00	73.00	168.00
UNIVERSITY UNION	12.00	47.00	6.00	47.00	108.00
ASI-ASSOCIATED STUDENTS	2.00	31.00	3.00	31.00	65.00
ATHLETICS	0.00	32.50	0.00	32.50	65.00
REGISTRATION FEES - SUBTOTAL > 6 UNITS- Undergraduate	Varies by units enrolled	857.00	165.00	857.00	1,879.00
REGISTRATION FEES - SUBTOTAL <= 6 UNITS- Undergraduate	Varies by units enrolled	557.00	165.00	557.00	1,279.00
REGISTRATION FEES - SUBTOTAL > 6 UNITS- Graduate	Varies by units enrolled	892.00	173.00	892.00	1,957.00
REGISTRATION FEES - SUBTOTAL <= 6 UNITS- Graduate	Varies by units enrolled	577.00	173.00	577.00	1,327.00
<b>NON-RESIDENT TUITION (**)</b>					
Per Unit	246.00	282.00	282.00	282.00	
Installment Payment Plan charge, % of amount financed	15.00%	15.00%	15.00%	15.00%	
(**) Non-resident Tuition is \$246 per unit in addition to the above fees.					
UNIVERSITY EXTENDED EDUCATION COURSES (Extended Education Fees vary by class)	Varies by units enrolled	Varies	Varies	Varies	
MISSSED FEE PAYMENT DEADLINE	25.00	25.00	25.00	25.00	
LATE REGISTRATION (non-refundable)	25.00	25.00	25.00	25.00	
RETURNED CHECK-first occurrence	25.00	25.00	25.00	25.00	
RETURNED CHECK-subsequent occurrence	35.00	35.00	35.00	35.00	
STUDENT ID CARD new students or replacement	5.00	5.00	5.00	5.00	
PARKING (optional) AUTOS	36.00	43.00	22.00	43.00	
PARKING (optional) MOTORCYCLES	9.00	10.75	5.50	10.75	
PARKING - daily	1.50	1.50	1.50	1.50	
PARKING DECAL HANGER	1.00	1.00	1.00	1.00	
PARKING (replacement decal)	10.00	10.00	10.00	10.00	
FINGERPRINTS	\$47.00-61.00	\$47.00-61.00	\$47.00-61.00	\$47.00-61.00	
Livescan fee	varies by site	varies by site	varies by site	varies by site	
VEHICLE IMPOUND RELEASE	40.00	40.00	40.00	40.00	
STATE KEY REPLACEMENT	25.00	25.00	25.00	25.00	
ADMISSION APPLICATION (non-refundable)	55.00	55.00	55.00	55.00	

FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	SUMMER 2002	FALL 2002	WINTER 2003	SPRING 2003
NEW STUDENT ORIENTATION	25.00	25.00	25.00	25.00
UNIVERSITY CATALOG	10.00	10.00	10.00	10.00
SCHEDULE OF CLASSES	1.40	1.40	1.40	1.40
TRANSCRIPTS:				
First copy	4.00	4.00	4.00	4.00
Additional copies requested at same time	2.00	2.00	2.00	2.00
CHALLENGE EXAM (per unit, maximum \$10)	3.00	3.00	3.00	3.00
DUPLICATE REGISTRATION FORM	6.00	6.00	6.00	6.00
GRADUATION APPLICATION	20.00	20.00	20.00	20.00
REAPPLICATION FOR GRADUATION	10.00	10.00	10.00	10.00
DIPLOMA	15.00	15.00	15.00	15.00
LATE ADMISSION APPLICATION	15.00	15.00	15.00	15.00
WITHDRAWAL FEE	5.00	5.00	5.00	5.00
PETITION OF UNIV DEADLINE/REQUIREMENT	10.00	10.00	10.00	10.00
LATE ADD (after deadline for adding course)	10.00	10.00	10.00	10.00
PRIORITY PROCESSING OF TRANSCRIPT REQUEST	10.00	10.00	10.00	10.00
PRIORITY PROCESSING OF GRADUATION CLEARANCE	10.00	10.00	10.00	10.00
CERTIFICATION OF ENROLLMENT/ OR DEGREE	5.00	5.00	5.00	5.00
DOCUMENT REPLACEMENT	5.00	5.00	5.00	5.00
REVISED CREDIT EVALUATION	10.00	10.00	10.00	10.00
GRADUATE STUDIES ACADEMIC CERTIFICATE APPLICATION	7.00	7.00	7.00	7.00

## COURSE FEES:

ADVANCED STUDIES 4600-Tech in Instruction	15.00	15.00	15.00	15.00
ADVANCED STUDIES 4600-Tech in Instruction-Merced				30.00
ADVANCED STUDIES 4650-Tech Integration Practices-Merced				25.00
ADVANCED STUDIES 4730-Microcomputers, Curr and Instr	10.00	10.00	10.00	10.00
ADVANCED STUDIES 5002-Human Res in the Com College	300.00	300.00	300.00	300.00
ADVANCED STUDIES 5003-Com College Resource Devel	300.00	300.00	300.00	300.00
ADVANCED STUDIES 5004-Com College Finance	300.00	300.00	300.00	300.00
ADVANCED STUDIES 5005-Technology In the Com College	300.00	300.00	300.00	300.00
ADVANCED STUDIES 5006-Com College Students and Instructional Services	300.00	300.00	300.00	300.00
ART 1000-Introduction to Studio Art	10.00	10.00	10.00	10.00
ART 1010-Drawing I: Direct Observation	10.00	10.00	10.00	10.00
ART 1020-Drawing II: Composition	10.00	10.00	10.00	10.00
ART 1100-Visual Principles, Two Dimensional	10.00	10.00	10.00	10.00
ART 1200-Visual Principles, Three Dimensional	10.00	10.00	10.00	10.00
ART 1340-Introduction to Ceramics	10.00	10.00	10.00	10.00
ART 2010-Drawing the Human Figure from Observations	45.00	45.00	45.00	45.00
ART 3000-Painting: Color	10.00	10.00	10.00	10.00
ART 3010-Drawing the Human Figure from Memory	10.00	10.00	10.00	10.00
ART 3020-Drawing: Original Form	10.00	10.00	10.00	10.00
ART 3100-Relief Printmaking	10.00	10.00	10.00	10.00
ART 3110-Intaglio	10.00	10.00	10.00	10.00
ART 3120-Lithography	10.00	10.00	10.00	10.00
ART 3130-Serigraphy	10.00	10.00	10.00	10.00
ART 3142-Intaglio Color Printmaking	10.00	10.00	10.00	10.00
ART 3152-Mono-Printmaking	10.00	10.00	10.00	10.00
ART 3162-Color Lithography	10.00	10.00	10.00	10.00
ART 3200-Painting from Observation	10.00	10.00	10.00	10.00
ART 3210-Painting from Imagination	10.00	10.00	10.00	10.00
ART 3220-Painting: Original Form	10.00	10.00	10.00	10.00
ART 3230-Painting the Human Figure	45.00	45.00	45.00	45.00
ART 3300-Multimedia: Assemblages & Construction	10.00	10.00	10.00	10.00
ART 3320-Carving	10.00	10.00	10.00	10.00
ART 3330-Metal Casting	10.00	10.00	10.00	10.00
ART 3340-Figure Sculpture	45.00	45.00	45.00	45.00
ART 3350-Ceramic Sculpture	10.00	10.00	10.00	10.00

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	SUMMER 2002	FALL 2002	WINTER 2003	SPRING 2003
ART 4020-Advanced Drawing	10.00	10.00	10.00	10.00
ART 4100-Advanced Printmaking	10.00	10.00	10.00	10.00
ART 4210-Modern Painting	10.00	10.00	10.00	10.00
ART 4230-Advanced Painting	10.00	10.00	10.00	10.00
ART 4300-Advanced Sculpture	10.00	10.00	10.00	10.00
ART 4870-World Crafts	10.00	10.00	10.00	10.00
ASTRONOMY 2112-Astronomy Laboratory	10.00	10.00	10.00	10.00
BIOLOGY 1020-World of Biology	5.00	5.00	5.00	5.00
BIOLOGY 4312-Histological & Cytological Techniques	10.00	10.00	10.00	10.00
BIOLOGY 4632-Marine Biology	20.00	20.00	20.00	20.00
BIOLOGY 4682-Ecology	10.00	10.00	10.00	10.00
BIOLOGY 4720-Topics in Rocky Intertidal Biology	25.00	25.00	25.00	25.00
BIOLOGY 4740-Deep Sea Biology	20.00	20.00	20.00	20.00
BIOLOGY 4820-Cytogenetics	5.00	5.00	5.00	5.00
BIOLOGY 4852-DNA Technology in Forensic Science	50.00	50.00	50.00	50.00
BIOLOGY 4862-Cell Culture & Advanced Biotechnology	40.00	40.00	40.00	40.00
BIOLOGY 4872-Recombinant DNA Lab	25.00	25.00	25.00	25.00
BIOLOGY 4952-Selected Topics in Biological Sciences	Varies by class	Varies by class	Varies by class	Varies by class
BOTANY 1052-Introduction to Botany	5.00	5.00	5.00	5.00
BOTANY 3002-Plant Propagation	10.00	10.00	10.00	10.00
BOTANY 3102-Survey of Nonvascular Plants	10.00	10.00	10.00	10.00
BOTANY 3122-Morphology of Vascular Plants	10.00	10.00	10.00	10.00
BOTANY 3702-Flowering Plants	10.00	10.00	10.00	10.00
BOTANY 4202-Plant Physiology	20.00	20.00	20.00	20.00
BOTANY 4602-Plant Ecology	10.00	10.00	10.00	10.00
CHEMISTRY 1002-Chemistry in the Modern World	15.00	15.00	15.00	15.00
CHEMISTRY 1102-Principles of Chemistry I	15.00	15.00	15.00	15.00
CHEMISTRY 1112-Principles of Chemistry II	15.00	15.00	15.00	15.00
CHEMISTRY 2002-Experiments for the Elementary Classroom	15.00	15.00	15.00	15.00
CHEMISTRY 2012-Quantitative Analysis	15.00	15.00	15.00	15.00
CHEMISTRY 2502-Chemistry of Photography Laboratory	15.00	15.00	15.00	15.00
CHEMISTRY 3012-Organic Chemistry I	15.00	15.00	15.00	15.00
CHEMISTRY 3022-Organic Chemistry II	15.00	15.00	15.00	15.00
CHEMISTRY 4102-Instrumental Analysis Laboratory	15.00	15.00	15.00	15.00
CHEMISTRY 4212-Advanced Chemistry Laboratory	15.00	15.00	15.00	15.00
CHEMISTRY 4402-Biochemistry Laboratory	15.00	15.00	15.00	15.00
CIS 2002-Introduction to CIS	25.00	25.00	25.00	25.00
CIS 2012-Cobol Programming	25.00	25.00	25.00	25.00
CIS 2022-Visual Basic Programming	25.00	25.00	25.00	25.00
CIS 2032-C++Java Programming	25.00	25.00	25.00	25.00
CIS 2702-Management Information Systems	25.00	25.00	25.00	25.00
CIS 3012-Advanced Cobol Programming	25.00	25.00	25.00	25.00
CIS 3022-Advanced Visual Basic	25.00	25.00	25.00	25.00
CIS 3032-Advanced C++Java Programming	25.00	25.00	25.00	25.00
CIS 3732-Structured Programming	25.00	25.00	25.00	25.00
CIS 3762-Computer Graphics	25.00	25.00	25.00	25.00
CIS 3782-Microcomputers & Management Information Systems	25.00	25.00	25.00	25.00
CIS 4102-Systems Administration	25.00	25.00	25.00	25.00
CIS 4713-Information Systems Management	25.00	25.00	25.00	25.00
CIS 4723-Database Management	25.00	25.00	25.00	25.00
CIS 4742-Advanced Database Management	25.00	25.00	25.00	25.00
CIS 4753-Decision Support Systems	25.00	25.00	25.00	25.00
CIS 4773-Systems Analysis & Design	25.00	25.00	25.00	25.00
CIS 4783-CIS Design	25.00	25.00	25.00	25.00
CIS 4803-Data Communications	25.00	25.00	25.00	25.00
CIS 4823-E-Business Site Development	25.00	25.00	25.00	25.00
CIS 5752-Database Management	25.00	25.00	25.00	25.00
ENTOMOLOGY 3002-Principles of Entomology	20.00	20.00	20.00	20.00
ENTOMOLOGY 3742-Insect Classification	10.00	10.00	10.00	10.00
ENTOMOLOGY 4332-Medical & Veterinary Entomology				\$20 effective Fall 2003
ENTOMOLOGY 4802-Agricultural Entomology				\$30 effective Spring 2003
GEOGRAPHY 4703-Death Valley Landscapes	135.00	135.00	135.00	135.00

	SUMMER 2002	FALL 2002	WINTER 2003	SPRING 2003
GEOLOGY 2002-Regional Geology of California lab	15.00	15.00	15.00	15.00
GEOLOGY 2102-Principles of Geology lab	10.00	10.00	10.00	10.00
GEOLOGY 2202-Historical Geology lab	10.00	10.00	10.00	10.00
GEOLOGY 3002-Physical & Environmental Geology lab	10.00	10.00	10.00	10.00
GEOLOGY 3302-Paleontology lab	10.00	10.00	10.00	10.00
GEOLOGY 3400-Plate Tectonics	10.00	10.00	10.00	10.00
GEOLOGY 3702-Igneous & Metamorphic Petrology lab	15.00	15.00	15.00	15.00
GEOLOGY 3900-Soil Geology	8.00	8.00	8.00	8.00
GEOLOGY 4003-California Field Excursions Activity	15.00	15.00	15.00	15.00
GEOLOGY 4302-Minerals & Crystals lab	10.00	10.00	10.00	10.00
GEOLOGY 4362-Structural Geology lab	10.00	10.00	10.00	10.00
GEOLOGY 4502-Field Geology lab	20.00	20.00	20.00	20.00
MICROBIOLOGY 3032-Bacteriology lab	25.00	25.00	25.00	25.00
MUSIC 1610-Freshman Level Keyboard	50.00	50.00	50.00	50.00
MUSIC 1640-Freshman Level Voice	50.00	50.00	50.00	50.00
MUSIC 1670-Freshman Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUSIC 2610-Sophomore Level Keyboard	50.00	50.00	50.00	50.00
MUSIC 2640-Sophomore Level Voice	50.00	50.00	50.00	50.00
MUSIC 2670-Sophomore Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUSIC 3610-Junior Level Keyboard	50.00	50.00	50.00	50.00
MUSIC 3640-Junior Level Voice	50.00	50.00	50.00	50.00
MUSIC 3670-Junior Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUSIC 4610-Advanced Level Keyboard	50.00	50.00	50.00	50.00
MUSIC 4640-Advanced Level Voice	50.00	50.00	50.00	50.00
MUSIC 4670-Advanced Level Orchestral Instruments	50.00	50.00	50.00	50.00
NURSING 3002-Health Assessment	25.00	25.00	25.00	25.00
NURSING 4410-Community Health Practicum	17.00	17.00	17.00	17.00
OPERATIONS MANAGEMENT 3022-Management Science	25.00	25.00	25.00	25.00
PHYSICS 1502-Energy & Matter Laboratory	10.00	10.00	10.00	10.00
PHYSICS 2102-Basic Physics I Lab	10.00	10.00	10.00	10.00
PHYSICS 2112-Basic Physics II Lab	10.00	10.00	10.00	10.00
PHYSICS 2252-General Physics I Lab	10.00	10.00	10.00	10.00
PHYSICS 2262-General Physics II Lab	10.00	10.00	10.00	10.00
PSYCHOLOGY 3405-Research Sem in the Psych of Perception		15.00	15.00	15.00
PSYCHOLOGY 3610-App'l Behavior Analysis Research Sem		15.00	15.00	15.00
PSYCHOLOGY 3705-Research Seminar in Human Learning		15.00	15.00	15.00
PSYCHOLOGY 3800-Experimental Psychology Research Sem		15.00	15.00	15.00
PSYCHOLOGY 4102-Research Seminar in Neuroscience		15.00	15.00	15.00
PSYCHOLOGY 4120-Human Development Research Seminar		15.00	15.00	15.00
PSYCHOLOGY 4310-Research Seminar in Social Psychology		15.00	15.00	15.00
PSYCHOLOGY 4410-Research Seminar in Cognitive Psychology		15.00	15.00	15.00
PSYCHOLOGY 4725-Experimental Analysis of Behavior Res Sem		15.00	15.00	15.00
TEACHER EDUCATION 4130-Elem Curr and Instr - Science	5.00	5.00	5.00	5.00
ZOOLOGY 1052-Introduction to Zoology	15.00	15.00	15.00	15.00
ZOOLOGY 2232-Physiology Lab	15.00	15.00	15.00	15.00
ZOOLOGY 2252-Human Anatomy	20.00	20.00	20.00	20.00
ZOOLOGY 2663-Bird Watching	10.00	10.00	10.00	10.00
ZOOLOGY 3152-Comparative Anatomy of Vertebrates	25.00	25.00	25.00	25.00
ZOOLOGY 3612-General Vertebrate Zoology	10.00	20.00	20.00	20.00
ZOOLOGY 3663-Bird Watching	10.00	10.00	10.00	10.00
ZOOLOGY 4152-Animal Cells and Tissues	20.00	20.00	20.00	20.00
ZOOLOGY 4232-Animal Physiology	20.00	20.00	20.00	20.00
ZOOLOGY 4282-Physiology of Human Systems	20.00	20.00	20.00	20.00
ZOOLOGY 4422-Invertebrate Zoology I	20.00	15.00	15.00	15.00
ZOOLOGY 4432-Invertebrate Zoology II	10.00	15.00	15.00	15.00
ZOOLOGY 4442-General Parasitology	10.00	5.00	5.00	5.00
ZOOLOGY 4622-Herpetology	5.00	5.00	5.00	5.00
ZOOLOGY 4632-Ornithology	20.00	20.00	20.00	20.00
ZOOLOGY 4642-Mammalogy	20.00	20.00	20.00	20.00
ALUMNI CAREER SERVICES FEE-annual	25.00	25.00	25.00	25.00

	SUMMER 2002	FALL 2002	WINTER 2003	SPRING 2003
BREAKAGE or DAMAGE- MATERIALS, SERVICES, FACILITY USE	Repair / replacement cost Cost	Cost	Cost	Cost
CHILD DEVELOPMENT CENTER child care tuition	Varies	Varies	Varies	Varies
SHORT TERM LOAN LATE FEE	20.00	20.00	20.00	20.00
MUSIC- Instrument rental	30.00	30.00	30.00	30.00
MUSIC- Locker	5.00	5.00	5.00	5.00
OIT - Laser printing card-25 pages	5.00	5.00	5.00	5.00
OIT - Laser printing card-10 pages	2.00	2.00	2.00	2.00
PHYSICAL EDUCATION-Locker rental-annual academic year	20.00	20.00	20.00	20.00
LIBRARY -Overdue book(s) or materials	Fine	Fine	Fine	Fine
LIBRARY - Lost or damaged book(s) or materials	Cost + \$6.00	Cost + \$6.00	Cost + \$6.00	Cost + \$6.00
LIBRARY - Community member-annual	35.00	35.00	35.00	35.00
WRITING PROFICIENCY SCREENING TEST (WPST)	25.00	25.00	25.00	25.00
CREDENTIAL PROGRAM APPLICATION EVALUATION: (Paid upon application to the specific program, one time only)				
Single Subject	30.00	30.00	30.00	30.00
Multiple Subjects	30.00	30.00	30.00	30.00
Subject Matter Competence Verification (Waiver)	25.00	25.00	25.00	25.00
Education Administration Preliminary	25.00	25.00	25.00	25.00
Education Administration Professional	25.00	25.00	25.00	25.00
Pupil Personnel Services	25.00	25.00	25.00	25.00
Education Specialist: Mild/Moderate	25.00	25.00	25.00	25.00
Education Specialist: Moderate/Severe	25.00	25.00	25.00	25.00
Liberal Studies Subject Matter Verification (Form V)	20.00	20.00	20.00	20.00
Liberal Studies Subject Matter Analysis	50.00	50.00	50.00	50.00
HEALTH CENTER SERVICES				
Office Visit for Injury, Illness, or Health Education	Closed	No Charge	No Charge	No Charge
Required Immunizations	Closed	No Charge	No Charge	No Charge
Tuberculosis Screening	Closed	No Charge	No Charge	No Charge
Physical exams:				
Department of Motor Vehicles	Closed	25.00	25.00	25.00
Gyn-annual/PAP	Closed	Varies	Varies	Varies
Routine/General	Closed	25.00	25.00	25.00
Sports	Closed	10.00	10.00	10.00
HOUSING:				
Rent deposit	200.00	200.00	200.00	200.00
Board deposit	0.00	0.00	0.00	0.00
Security deposit	150.00	150.00	150.00	150.00
Room license	Varies by plan	Varies	Varies	Varies
Meal plan	Varies by plan	Varies	Varies	Varies
OIT Telephone Services deposit	100.00	100.00	100.00	100.00
Telephone service base monthly rate	12.50	12.50	12.50	12.50
Application (non-refundable)	40.00	40.00	40.00	40.00
Activities service charge-annual	25.00	25.00	25.00	25.00
Computer connection installation-network installation	75.00	75.00	75.00	75.00

### Admission Application Fee

A \$55.00 nonrefundable and nontransferable admission application fee is payable at the time application for admission is made. Most non-enrolled students who wish to register must first be admitted or readmitted to CSU Stanislaus. A former CSU Stanislaus undergraduate or post baccalaureate student who is re-enrolling at the University may register for courses without submitting an application for readmission if both of the following apply:

1. The student was enrolled for residence credit course work after the Enrollment Census Date for any semester or term in the 12 months immediately preceding the start of the re-enrollment term desired; **and**
2. The student has not enrolled at another college or university, or graduated from CSU Stanislaus or another college or university since last enrolled at CSU Stanislaus. Students at CSU Stanislaus who fail to graduate in the term for which they apply for graduation must reapply for graduation for the term in which they will complete their requirements in order to continue their enrollment at CSU Stanislaus.

Registration fees are payable at the time of registration in accordance with payment deadlines published in the current Schedule of Classes. Students will be held to their fee status as of the last day to register or add a course without special approval. The fees and tuition listed on the previous pages are applicable at the time of publication of this catalog supplement.

### Cancellation of Registration or Withdrawing from the Institution

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow the University's official withdrawal procedures. Failure to follow formal University procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in another academic term. Information on canceling registration and withdrawal procedures is available from the Admissions and Records Office, Mary Stuart Rogers Educational Gateway Services Building, Suite 120; 801 W. Monte Vista Avenue, Turlock, California, 95382 (209) 667-3264.

Students who receive financial aid funds must consult with the Financial Aid Office, (209) 667-3336, prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. If a recipient of student financial aid funds withdraws from the institution during an academic term or a payment period, the amount of grant or loan assistance received may be subject to return and/or repayment provisions.

### Nonresident Tuition

Nonresident tuition is payable by all students who have not been legal residents of the State of California for at least one year immediately preceding the residence determination date:

Nonresident tuition payable by nonresident and foreign visa students is in addition to fees required of resident students, except for enrollment in extension sessions. Questions regarding residency classification for admission eligibility and tuition purposes should be directed to the Residency Technician in the Enrollment Services Office, (209) 667-3264.

Initial determination of residence status is made by University officials prior to or at the time of registration, and fees must be paid at registration. Full refund of nonresident fees paid will be made if final determination by the University legal adviser indicates that a student is a legal resident for fee purposes.

For more detailed information on residency determination and exceptions to nonresident tuition, refer to "Determination of Residence," Appendix C.

### Refund of Fees Including Nonresident Tuition

Regulations governing the refund of mandatory fees, including nonresident tuition, for students enrolling at the California State University are included in §41802 of Title 5, *California Code of Regulations*. For purposes of the refund policy, mandatory fees are defined as those system-wide fees and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University. Refunds of fees and tuition charges for self-support programs at the California State University (courses offered through extended education) are governed by a separate policy established by the University.

In order to receive a full refund of mandatory fees, including nonresident tuition, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available in the current Schedule of Classes.

For state-supported semesters, quarters, and non-standard terms or courses of four (4) weeks or more, a student who withdraws during the term in accordance with the university's established procedures will receive a refund of mandatory fees, including nonresident tuition, based on the portion of the term during which the student was enrolled. No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees or nonresident tuition.

For state-supported semesters, quarters, and non-standard terms or courses of less than four (4) weeks, no refunds of mandatory fees and nonresident tuition will be made unless a student cancels registration or drops all classes prior to the first day in accordance with the university's established procedures and deadlines.

Students will also receive a refund of mandatory fees, including nonresident tuition under the following circumstances:

- The tuition and mandatory fees were assessed or collected in error;
- The course for which the tuition and mandatory fees were assessed or collected was cancelled by the university;

The university makes a delayed decision that the student was not eligible to enroll in the term for which mandatory fees were assessed and collected and the delayed decision was not due to incomplete or inaccurate information provided by the student; or

The student was activated for compulsory military service.

Students who are not entitled to a refund as described above may petition the university for a refund demonstrating exceptional circumstances and the chief financial officer of the university or designee may authorize a refund if he or she determines that the fees and tuition were not earned by the university.

Information concerning the refund policies of California State University, Stanislaus for the return of unearned tuition and fees or other refundable portions of institutional charges and information concerning any aspect of the refund of fees may be obtained from Jim D. Phillips, Assistant Controller, (209) 667-3241 or from the Student Financial Services Office, see below. (See also "Refund Regulations," Appendix E.)

#### Fees and Debts Owed to the Institution

Should a student or former student fail to pay a fee or a debt owed to the institution, the institution may withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt until the debt is paid (see Title 5, *California Code of Regulations*, Sections 42380 and 42381).

Prospective students who register for courses offered by the University are obligated for the payment of fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student fees including any tuition for the reservation of space in the course.

The institution may withhold permission to register or to receive official transcripts of grades or other services offered by the institution from anyone owing fees or another debt to the institution. If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact the campus Student Financial Services Office as listed below. The Student Financial Services Office located in the Mary Stuart Rogers Educational Services Gateway Building Suite 270, or another office on campus to which the Student Financial Services Office may refer the person, will review all pertinent information provided by the person and available to the campus and advise the person of its conclusions.

Anyone wishing to arrange payments to pay a delinquent or past due debt should contact the Student Financial Services Office as follows:

Last name begins with:

A - F  
G - L  
M - S  
T - Z

(209) 667-3977  
(209) 667-3244  
(209) 667-3969  
(209) 667-3852

Beginning Fall 2002, students will no longer be required to request a refund. Any refund for which a student is eligible will be "automatic" when a student follows campus-established procedures to cancel registration, drop courses, or withdraw for the academic period.

Students will be entitled to a full refund of mandatory fees and nonresident tuition only if they cancel their registration or drop all courses prior to the first day of instruction for an academic term. For Fall 2002, this is Wednesday, September 4, 2002.

Students who drop some but not all units resulting in a lower tuition and/or mandatory fee obligation within the campus designated drop period and in accordance with campus procedures will be entitled to a refund of the applicable difference in tuition and/or fee levels.

For state-supported non-standard terms or courses of less than four (4) weeks in length, students are not entitled to any refund unless the student cancels registration prior to the first day of instruction of the non-standard term or the first scheduled meeting in the case of "short courses."

For state-supported semesters, quarters, and non-standard terms of four (4) weeks or more in length, students who drop all courses prior to the end of the campus-designated drop period or who officially withdraw no later than the sixty percent point in the academic period shall be entitled to a pro-rata refund of nonresident tuition and mandatory fees.

The pro-rata refund is determined on the basis of the date of the student's withdrawal and the length of the academic period. The length of the academic period is calculated from the first day of instruction through the final exam day of the period and excludes any breaks of five (5) days or more.

Example: The first day of instruction for Fall semester 2002 is September 4, the final day of the exam period is December 17, and there are no breaks longer than 4 days. The length of the academic period is 105 days. The sixty percent point in the term is day 63 which falls on November 5. No student who withdraws after November 5 is entitled to a refund. If a student withdraws on November 5, the campus has "earned" sixty percent of the student's fees and the student is entitled to a refund of forty percent of the fees.

The campus may withhold an administrative fee from the refund amount.

Any refund due a student will be applied first toward any required return of student financial aid funds from federal, state, institutional, or external sources and then the balance may be returned to the student.

Exceptions to the policy, providing that the full amount of nonresident tuition and mandatory fees be refunded, are authorized where the fees were assessed or collected in error, the course for which the tuition and fees were assessed or collected was cancelled by the campus, the campus makes a delayed decision that a student was not eligible to enroll in the term for which mandatory fees were assessed and collected and the delayed decision was not due to a student not providing complete or accurate information, or the student was activated for compulsory military service.



**Delinquent Accounts**

Past due accounts are subject to collection procedures including but not limited to placement of a HOLD preventing University services, submission to a collection agency, or submission to the California State Franchise Tax Board for tax offset/intercept of any income tax refund. Delinquent accounts are subject to additional collection charges and interest at 10% from the date of debt.

**Employees**

Qualifying CSU Stanislaus employees must have their Employee fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, 667-3081, prior to registering for classes in order to have their fees calculated properly. This waiver must be submitted for each term of enrollment.

**Employee Dependents**

Qualifying CSU Stanislaus employee dependents must have their Employee Dependent fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, 667-3081, prior to registering for classes in order to have their fees calculated properly. This waiver must be submitted for each term of enrollment.

**Senior Scholars**

Qualifying students must have their Senior Scholar fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, 667-3081, prior to registering for classes in order to have their fees calculated properly. This waiver must be renewed each term.

**Veteran's Dependent**

Qualifying students under provisions of the California Educational Code, section 32320, must have their authorization on file with the Waiver Coordinator in the Enrollment Services Office, 667-3081, prior to registering for classes in order to have their fees calculated properly. The authorization must be renewed for each academic year.

**Faculty Dependents**

Qualifying students must have their fee waiver on file with Waiver Coordinator in the Enrollment Services Office, 667-3081, prior to registering for classes. This waiver must be renewed each term. Forms are available from the Employee Benefits Coordinator in the Human Resources Office.

**Veteran Deferral**

Students qualified by the Veterans' Coordinator in the Enrollment Services Office, 667-3081, may have their payment deadline deferred until receipt of veteran benefits.

**Third Party Pay**

Students whose fees will be paid by another party (Vocational Rehabilitation, Workers' Compensation, Private Industry Council, Americorps, local school districts, or employers, etc.) must have their fee authorization on file with the Cashier's/Financial Services Office prior to registering for classes. Failure to do so may subject the student to improper billing and related late payment penalties. *If the third party fails to pay, the student is fully responsible and liable for all charges incurred on his or her account.* Questions regarding third party pay may be directed to 667-3977.

**CSU Concurrent Enrollment**

Students concurrently enrolled at another CSU campus must have their Concurrent Enrollment form with fees paid certification by their HOME campus on file with the Records Coordinator prior to registering for classes in order to have their fees calculated properly.

**Higher Education Tax Incentives**

The Tax Relief Act of 1997 (TRA 97) provides several federal tax incentives for students enrolled in post-secondary higher education.

- Hope Scholarship tax credit
- Lifetime Learning tax credit
- Education IRAs
- Student Loan Interest deduction

CSU Stanislaus cannot determine if you qualify for a tax credit or deduction or provide income tax advice. Please obtain IRS publication 970 and IRS form 8863 or contact a tax return preparer about your specific income tax situation. Additional information can be obtained from the Internal Revenue Service at 1-800-829-1040 or [www.irs.ustreas.gov](http://www.irs.ustreas.gov)

**Use of Social Security Number**

Students are required to provide the University with their correct social security numbers (individual taxpayer identification numbers) pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code. The University uses the social security number to identify records pertaining to the student as well as to identify the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and if needed to collect other debts payable to the University. Your social security number may be written on your fee check to facilitate the processing of your fee payment. Also, the Internal Revenue Service requires the University to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on education loans. That information is used to help determine whether a student, or person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes. Students who do not have a social security number at the time of enrollment will be required to obtain a social security number and submit it to the University within thirty days. Failure to furnish a correct social security number may result in the imposition of a penalty by the Internal Revenue Service.

### Alan Pattee Fee Waiver

Qualifying CSU Stanislaus students eligible under Education Code Section 68120 are not subject to system wide mandatory fees or tuition\* (State University Fee and Application Fee). Eligible students must be a surviving spouse or surviving child, natural or adopted, of a deceased person who met all of the following requirements:

1. He or she was a resident of this state.
2. He or she was employed by a public agency, or was a contractor, or an employee of a contractor, performing services for a public agency.
3. His or her principal duties consisted of active law enforcement service or active fire suppression and prevention. This section shall not apply to a person whose principal duties were clerical, even if he or she was subject to occasional call or was occasionally called upon to perform duties within the scope of active law enforcement or active fire suppression and prevention.
4. He or she was killed in the performance of active law enforcement or active fire suppression and prevention duties or died as a result of an accident or an injury caused by external violence or physical force, incurred in the performance of his or her active law enforcement or active fire suppression and prevention duties.
  - a. As used in this section, "public agency" means the state or any city, city and county, county, district, or other local authority or public body of or within the state.
  - b. This section shall remain in effect only until January 1, 2004, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2004, deletes or extends that date.

\*Qualifying students continuously enrolled since the 1999/2000 academic year are also eligible to have the Health Facilities fee, Health Services fee, Instructional Related Activities fee, Materials, Services, and Facilities fee, and Student Body Center fee waived.

**Upper Division Writing Proficiency**

In addition to satisfactory completion of all General Education Communication Skills requirements, all students must demonstrate competency in writing skills as a requirement for graduation. To do so, they must complete the Writing Proficiency Screening Test (WPST) with a passing score and then pass, with a minimum grade of C- or better, an upper-division writing proficiency (WP) course. Students who have not met the graduation writing requirement must achieve a passing score on the WPST before gaining admission to any of these courses. Peer tutoring to prepare for this test is available at the Writing Center. A course taken prior to the first semester in which WP status takes effect for that course may *not* be used to satisfy the writing competency requirement. Writing proficiency courses are designated in the Schedule of Classes with (WP). The following is a listing of the status of WP courses:

<b>Course</b>	<b>Title</b>	<b>Semester in Effect</b>	<b>Semester Removed</b>
ACC 3125	Accounting Research and Communication	Fall 2001	
ANTH/GEND 3900	Women: A Cross-Cultural View	Fall 1992	
ANTH 4221	Folk Literature and Arts	Fall 1993	
ART 4570	Senior Seminar in Art History	Winter 1993	
ART 4960	Senior Seminar	Winter 1993	
BIOL 4010/4012	Research and Technical Writing in Biology	Fall 1994	
CHEM 4420	Biochemistry II	Spring 1996	
CJ 3170	Criminal Justice Research Methods (formerly 4930)	Spring 1994	
COMM 3140	Persuasive Messages	Fall 1992	
CS 4100	Programming Languages	Fall 1993	
ECON 4335	Political Economy	Fall 1997	
ENGL 3007	Business and Technical Communication	Spring 1981	
ENGL 3009	Applied Writing	Fall 1981	
ENGL 3012	Applied Writing (Computer-Assisted Instruction)	Fall 1997	
ENGL 3100	Literary Genres (formerly Critical Approaches to Literature)	Fall 1992	
ENGL 4600	Tutorial Projects in English	Fall 1992	
FREN 4810	Linguistics and Language Instruction	Spring 1993	
GEOG 4710	Field Methods	Fall 1993	
GEOL 4500/4502	Field Geology	Fall 1994	
GERM 4810	Linguistics and Language Instruction	Spring 1993	Fall 1999
HIST 3000	Introductory Seminar in History	Fall 1992	
HIST 4960	Directed Reading Seminar in History	Fall 1992	
HIST 4990	Senior Thesis	Fall 1992	
HONS 3965	Honors Seminar V: Science, Technology, and Human Values	Fall 1990	Fall 1999
HONS 4965	Honors Seminar VI: Self and Community	Fall 1990	Fall 1999
LIBS 3000	Community and Diversity	Fall 1995	
MATH 4960	Senior Seminar in Mathematics	Fall 1995	
MUS 3200	Music History and Literature III	Winter 1994	
MUS 3370	Music in Secondary Schools	Spring 1994	
NURS 3310	Nursing Leadership and Management	Winter 1994	Fall 1997
NURS 4510	Communication in Nursing Practice (Formerly 3510)	Fall 1997	
PHED 3700	Sport in Society	Fall 1993	
PHIL 3400	Ethics	Fall 1992	
PHIL 3500	Philosophy of Mind	Fall 1993	
PHIL 4200	Advanced Studies in the History of Philosophy	Fall 1992	
PHIL 4450	Eastern Philosophy: Concepts, Methods, and Context (formerly Philosophy of Religion)	Fall 1992	Fall 2001
PHIL 4500	Philosophy of Art (formerly Aesthetics)	Fall 1992	
PSCI 3010	Modern Political Thought	Spring 1993	
PSCI 3304	Introduction to Public Administration (formerly 3300)	Fall 1993	
PSCI/GEND 3700	Ethnic and Gender Politics	Spring 1993	Fall 1996
PSYC 4102	Research Seminar in Behavioral Neuroscience	Fall 2002	
PSYC 4120	Human Development Research Seminar	Fall 2002	
PSYC 4310	Research Seminar in Social Psychology	Fall 2002	
PSYC 4410	Research Seminar in Cognitive Psychology	Fall 2002	
PSYC 4725	Experimental Analysis of Behavior Research Seminar	Fall 2002	
PSYC 4810	Intimate Relationships (formerly Social Psychology of Personal Relationships)	Fall 1995	
PSYC 4820	Group Dynamics: Theory and Application (formerly Group Dynamics and Interpersonal Behavior)	Fall 1995	Fall 2002
SOCL 3030	Research Methods	Fall 1994	
SPAN 4810	Linguistics and Language Instruction	Spring 1993	
THEA 3520	The Modern Theatre	Fall 1999	
THEA 3530	Contemporary Theatre	Fall 1992	Fall 1999
THEA 4550	American Theatre	Fall 1992	Winter 1995

Not all writing proficiency courses are offered every term. Please check the Schedule of Classes to determine the term a WP course is offered. Courses will be added to the above list of WP courses. For current listings of WP courses, consult the department in which you wish to take a WP course or the WPST Coordinator. The upper-division Writing Proficiency (WP) approved course list is NOT tied to the catalog for graduation. For further information, contact the WPST Coordinator, (209) 667-3247.

# The Graduate School

**Office:** Mary Stuart Rogers Gateway Center 160  
(209) 667-3129

**Dean:** Diana Demetrulias

**Director:** Jim Burns

## Graduate Program Coordinators or Advisers:

Business Administration (MBA) .....	Randall B. Brown
Criminal Justice (MA) .....	Peter Nelligan
Education (MA)	
Curriculum & Instruction (C&I) .....	Dennis Sayers
Elementary Education .....	Susan Neufeld
Multilingual Education .....	Nancy Jean Smith
Reading .....	Armin R. Schulz
Secondary Education .....	Timothy Mahoney
Educational Technology .....	Dawn Poole
School Administration .....	John A. Borba
School Counseling .....	Mira Mayer/Jeannine Studer
Special Education .....	Karen Sniezek
Physical Education .....	James Bowen
English (MA)	
Literature .....	Susan Marshall
Rhetoric and Teaching of Writing .....	Mark Thompson
TESOL .....	Stephen B. Stryker
History (MA) .....	Richard Weikart
International Relations .....	Richard Weikart
Secondary School Teachers .....	Richard Weikart
Interdisciplinary Studies (MA/MS) .....	Jim Burns
Marine Science (MS) .....	Pamela Roe
Psychology (MA/MS) .....	Gina M. Pallotta/William F. Potter
Behavioral Analysis (MS) .....	Gina M. Pallotta/William F. Potter
Counseling Psychology (MS) .....	Gina M. Pallotta/William F. Potter
Public Administration (MPA) .....	April Hejka-Ekins
Social Work (MSW) .....	Margaret Tynan

## Graduate Certificate Programs:

Art: Printmaking ..... James Piskoti

The University offers Master of Arts programs in Criminal Justice, Education, English, History, and Psychology; Master of Business Administration; Master of Public Administration; Master of Science programs in Marine Science and in Psychology; Master of Social Work; and Master of Arts and Master of Science in Interdisciplinary Studies. Specific requirements within these degree programs will be found in the catalog sections of the departments concerned.

Most graduate and postbaccalaureate credential programs can be completed in their entirety through enrollment in late afternoon and evening course work.

## Graduate and Postbaccalaureate Application Procedures

All graduate and postbaccalaureate applicants (e.g., master's degree applicants, those seeking credentials, and those interested in taking graduate level courses for personal or professional growth) must file a complete graduate and postbaccalaureate application. Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$55 non-refundable application fee. Applications may be obtained from the Graduate School Office of any California State University campus.

Applicants must hold an acceptable baccalaureate degree earned at an institution accredited by a regional accrediting association and have attained a grade point average of at least 2.5 in the last 60 graded semester (or 90 quarter) units attempted.

Application and admission to the University in no way imply admission to any master's or credential program. The student must additionally contact the appropriate department for instructions regarding specific departmental procedures.

An electronic version of the CSU graduate application is available on the Internet at [www.csumentor.edu/](http://www.csumentor.edu/)

A postbaccalaureate student who is seeking admission for an undergraduate program objective should submit the undergraduate admission application form. Applicants seeking financial aid should contact the Financial Aid Office, (209) 667-3336, for application materials.

## Transcripts

All applicants for graduate and postbaccalaureate admission must request two copies of complete official college transcripts be sent directly to the Enrollment Services Office from each college and university attended (other than CSU Stanislaus). The applicant should arrange to have these official transcripts sent at the same time as application submission.

## Continuing Baccalaureate Students

Students who hold a baccalaureate degree from this University and plan to continue postbaccalaureate or graduate study must submit an application to the Enrollment Services Office for readmission and be admitted for a new educational objective before April or October to qualify respectively for Fall or Spring Priority Registration. Such students must meet program admission criteria and are subject to the same enrollment requirements and application fees as other students.

## Approved Degree Plans

Graduate students do not have catalog year rights, but rather, maintain rights to their approved degree plan. Students who will not be registered in at least one semester each calendar year should contact the appropriate program director regarding requirements for maintaining these rights.

## Graduate and Postbaccalaureate Admission Requirements

Graduate and postbaccalaureate applicants may apply for a degree objective, a credential or certificate objective, or may have no program objective. Depending on the objective, the University will consider an application for admission as follows.

### General Requirements

The minimum requirements for admission to graduate and postbaccalaureate studies at a California State University campus are in accordance with University regulations as well as Title 5, Chapter 1, Subchapter 3 of the *California Code of Regulations*. Specifically, a student shall: (1) have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities; (2) be in good academic standing at the last college or university attended; (3) have attained a grade point average of at least 2.5 (A = 4.0) in the last 60 semester (90 quarter) units attempted; and (4) satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.

If the minimum requirements for graduate and postbaccalaureate studies are met, consideration will be given for admission in one of the four following categories:

1. **Postbaccalaureate Unclassified**—To enroll in courses for professional or personal growth, admittance as a postbaccalaureate unclassified student is required. By meeting the minimum requirements, the student is eligible for admission as a postbaccalaureate unclassified student. With prior written approval of the Graduate Program director, a maximum of 9 such units may be used toward a graduate degree program. Some departments may restrict enrollment of unclassified students due to heavy enrollment pressure. Admission in this status does not constitute admission to, or assurance of, consideration for admission to any graduate degree or credential program; **or**
2. **Postbaccalaureate Classified**—To enroll in a credential or certificate program, additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus must be satisfied; **or**
3. **Graduate Conditionally Classified**—If, in the opinion of appropriate campus authority, deficiencies can be remedied by additional preparation, admittance to a graduate degree program in this category will be considered; **or**
4. **Graduate Classified**—To pursue a graduate degree, fulfilling all the professional, personal, scholastic, and other standards, including qualifying examinations, as prescribed by the campus is required.

**Admission of Non-Resident Postbaccalaureate Students**

Non-resident applicants normally are not admitted to "Postbaccalaureate Standing: Unclassified." Admission of non-residents to this classification must be by special action of the department and approval of the Dean of the Graduate School.

**Admission of International Students**

International applicants are not normally admitted in Postbaccalaureate Unclassified, Postbaccalaureate Classified, or Graduate Conditional Classified Standing. Admission to these classifications must be by special action of the department, the program, and the Dean of the Graduate School.

**TOEFL Requirement**

All graduate and postbaccalaureate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive minimum scores of 550 total and part scores of 54 on the written Test of English as a Foreign Language (TOEFL) or 213 total and part scores of 21 on the computer TOEFL. Some programs require higher scores.

**Master's Degree Program Requirements**

The program requirements for master's degrees assume substantial undergraduate preparation in the field. A student lacking this preparation will need to exceed the minimum requirements indicated below.

The program for the master's degree is a coherent pattern of courses specified for an approved field of concentration, and additional courses selected to meet the student's particular needs. It consists of at least 30 units completed after the bachelor's degree and within seven years just preceding the granting of the master's degree. The Master of Arts degree must include a minimum of 30 units; the Master of Science, a minimum of 36 units. Only graduate courses (5000 series) and approved upper-division courses are acceptable to meet the unit requirement. Other courses are counted in calculating the student's study load but cannot be counted toward the unit or grade point average requirements for the master's degree. The total program must include the following:

1. At least 21 units must be CSU Stanislaus residence credit.
2. No more than 9 units toward the degree may consist of any combination of transfer units without prior written approval of the program director and the Dean of the Graduate School. Credit by examination may be used to fulfill prerequisites but may not apply toward the degree. Extension credit is not regularly used on master's degree programs; special cases recommended by the department may be evaluated by the Dean of the Graduate School. Transfer, extension, and correspondence credit may be used toward a master's degree only if the institution offering the work would use it on a comparable master's degree program, and if it is recommended by the department and judged by the Dean of the Graduate School to be particularly relevant to the individual student's program.

3. A last semester senior who is within 9 units of earning a baccalaureate degree may enroll in an upper-division or graduate level course(s) and apply them to an advanced credential or master's degree objective by requesting postbaccalaureate credit during the term in which they intended to graduate. The student must submit a Request for Postbaccalaureate Credit form to the Enrollment Services Office. Approval of the department graduate adviser is required. This action must be taken at the time of registration; retroactive authorization will not be granted. The student must apply to the University and the program for postbaccalaureate work.
4. At least half of the units must be in courses designed primarily for master's degrees (numbered in the 5000 series). Most programs require more than 15 units of 5000 series course work.
5. Appropriate course work from a field other than the major may be required at the discretion of the major department.
6. Appropriate provision must be made for a thesis, a project, or comprehensive examination.

It is the student's responsibility to complete the specific courses included in the degree program. Once a degree program has been approved by the student's graduate committee, it may be changed only on the written request of the student and the approval of the major adviser and the Dean of the Graduate School.

Substitution for discontinued courses will be authorized by the major adviser and approved by the Dean of the Graduate School.

**Graduate Writing Proficiency Requirement**

All graduate students must demonstrate competency in writing skills as a requirement for a master's degree. A candidate for an advanced degree can satisfy the CSU writing requirement by (a) satisfactory completion of the course designated by the department as assessing writing proficiency in standard English or (b) satisfactory completion of an alternative plan adopted by the department and approved by the Graduate Council. Candidates should consult the appropriate department for specific details.

**Foreign Language Requirement**

While skill in a foreign language is not a general University requirement for admission to or completion of the master's degree, certain programs require that reading mastery of one foreign language, usually equivalent to two years of collegiate study, be demonstrated before advancement to candidacy. Candidates should consult the appropriate department for specific details.

**Grade Requirements**

All graduate students are subject to the regulations listed in the "Academic Standards" section of this catalog. In addition, the following regulations apply specifically to graduate students:

1. No course with a grade below C- may apply on a master's degree program.
2. To be eligible for advancement to candidacy, a student must have earned a 3.0 (grade of B) grade-point average on all upper-division and graduate course work completed after the date of beginning the first course to be included in the master's degree program.

To be eligible for the granting of the degree, a student must have maintained a 3.0 grade point average or better in all courses taken to satisfy the requirements for the degree. Any grade earned in a course on the program continues to be computed in the overall grade point average even if that course is later dropped from the program for any reason.

### Student Performance

Performance expectations for graduate students enrolled in undergraduate or dual-listed courses normally are such that graduate students complete at least one additional assignment. The standard of quality of their written and oral performance in the course would be significantly higher than that of an undergraduate. Performance expectations for undergraduate students enrolled in graduate-level courses should be the same as those for graduate students.

### Graduate Probation and Disqualification

Advanced credential and master's candidates should check carefully with the department about probation, disqualification, and appeals of disqualification since each department has the right to develop policy and procedures in addition to the University standards.

The following policies will govern postbaccalaureate and graduate students:

#### Probation

1. A student who is enrolled in a graduate degree program in Conditionally Classified or Classified Standing shall be placed on academic probation if the student fails to maintain a cumulative grade point average of at least 3.0 (grade of B) in all units applicable to the degree program.
2. A student who is enrolled in a credential program in postbaccalaureate classified or postbaccalaureate unclassified standing shall be placed on academic probation if the student fails to maintain a cumulative grade point average of at least 2.75 in all units applicable to the credential.
3. A student who is in postbaccalaureate unclassified standing and is taking courses for personal or professional development shall be placed on academic probation if the student fails to maintain a cumulative grade point average of at least 2.5 in all postbaccalaureate units at the University.
4. A student who withdraws from all or a substantial portion of a program in two successive terms or in any three terms may be placed on probation by the department.
5. The department may place a student on probation for repeated failure to progress toward the degree objective.
6. Failure to comply, after due notice, with an academic requirement may result in the department placing the student on probation.
7. A student placed on probation shall be notified in writing and shall be provided with the conditions to be met for removal from probation, as well as the circumstances which will lead to disqualification.

### Disqualification

A graduate or postbaccalaureate classified student shall be subject to disqualification if, while on probation, the student fails to raise his/her grade point average to 3.00 within the time specified by the department.

The disqualification decision for classified graduate students is the responsibility of the appropriate department. The disqualification decision for persons admitted to "Postbaccalaureate standing: Unclassified" status is the responsibility of the Dean of the Graduate School.

### Administrative Academic Disqualification

Consistent with guidelines issued by the Chancellor of The California State University, a postbaccalaureate or graduate student may also be placed on probation or disqualified by appropriate campus authorities for repeated withdrawal, failure to progress toward an educational objective, and noncompliance with an academic department.

### Appeal of Disqualification Status

A student who believes his/her disqualification was arbitrary, capricious, or discriminatory shall have the right of appeal. The "Postbaccalaureate Standing: Unclassified" student shall appeal to an appeals committee through the Dean of the Graduate School; students admitted to Graduate Standing shall appeal through the appropriate department chair. The appeals committee shall consist of a faculty member from the department selected by the department chair, a faculty member from the department selected by the student, and a faculty member, who will chair the appeals committee, selected from outside the department by the Dean of the Graduate School.

### Degree Requirements

A person in continuous enrollment may elect the requirements in effect at the time of gaining Classified Standing or at the time of completing degree requirements. For purposes of this regulation, "continuous enrollment" is defined as attendance in at least one semester each calendar year. Attendance in Summer session or Winter term is *not* applicable to this regulation. A request for a leave of absence is not required by the University for graduate students. Please consult with the specific graduate director for individual program policy.

### Workshop, Institute, and Course Work Taken Through Extended Education

These units, including academic courses taken through Open University, normally will not be accepted in a master's or credential program. A student who wishes to use such course work must seek prior approval from the major adviser and the Dean of the Graduate School.

### Repeating Courses

A postbaccalaureate student who was admitted to the University as an undergraduate and who is enrolled in an undergraduate degree program will be treated as an undergraduate for purposes of repeating a course.

Graduate students, with prior permission of the department, may repeat a course, and the original grade will be included in computing the overall grade point average but will not be included in computing the grade point average for the master's degree.

### Units Completed in Postbaccalaureate Standing: Unclassified

The maximum number of units applicable to a degree earned as a Postbaccalaureate Unclassified student shall be 9, including transfer units. The approval of the program coordinator and the Dean of the Graduate School is required to exceed the 9-unit limit. (Refer to "Policies and Procedures" section of this catalog for additional information on "Postbaccalaureate Credit.")

### Application to Graduate Degrees for Courses Numbered 3000-3999

Upper-division courses numbered 3000-3999 will not be awarded graduate credit unless they are included on a departmental list approved by the Graduate Council. Courses that are not listed can be awarded graduate credit only if, prior to enrollment in the course, the student receives the major adviser's recommendation and the approval of a petition by the Dean of the Graduate School.

### Graduate Credit For Undergraduate Courses

Instructors expect a higher level of performance from graduate students enrolled in undergraduate courses. Additional reading, writing, and/or oral presentation are employed to meet this standard.

### Examinations

Besides regular course examinations, some master's degree programs at the University require qualifying examinations for classified standing and advancement to candidacy. In some instances, final oral and written comprehensive examinations at the conclusion of the program are required.

### Qualifying Examinations

Some programs require a graduate admission test (GRE, GMAT, MAT, etc.). Contact the Graduate Program Coordinator for specific program requirements. Students taking a qualifying examination at any testing center may request their scores be sent to the CSU Stanislaus Graduate School. Graduate Admissions tests taken within five years of acceptance to graduate programs are considered current. Registration information (including dates, fees, and application procedures) is available from the University Testing Office or the Graduate School. Information is also available on the Testing Office website at [www.csustan.edu/counseling/testing](http://www.csustan.edu/counseling/testing).

### Final Examinations

In addition to the qualifying examinations, all departments reserve the right to require written or oral comprehensive examinations when circumstances demand. A few departments require final comprehensive examinations of all candidates; departments requiring a thesis or project also require an oral defense. Graduate students are urged to consult their graduate adviser about examination requirements.

### Validation of Outdated Course Work and Units

Validation of outdated course work and units may not result in more than one-third of the total units required for the degree and must have been approved within the academic year preceding completion of the degree.

Course content and related units earned at another university more than **seven years** before completion of the degree cannot be used to meet degree requirements under any circumstances.

Credits earned at CSU Stanislaus more than seven years before completion of the degree may be used to meet degree requirements only under the following conditions: (a) the student must demonstrate a current proficiency in the subject matter of the course in an examination administered by the original instructor of record or, if unavailable, a qualified substitute appointed by the departmental Graduate Committee or Program Coordinator; (b) validation is available only on the approval of the department and final inclusion of validated course work in a degree program requires departmental recommendation, including appropriate documentation used to determine currency and approval of the Dean of the Graduate School.

Courses completed ten years prior to the completion of the requirements for the degree are not eligible for validation.

### Thesis, Project, and Comprehensive Examination

The University has adopted the following definitions of thesis and project:

1. A thesis is the written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product must evidence originality, critical and independent thinking, appropriate organization, and format, clarity of purpose, and accurate and thorough documentation. An oral defense or a presentation of the thesis is required.
2. A project is a significant undertaking of a pursuit appropriate to the fine arts and applied disciplines. It is more than the presentation of a mere outline, plan, depiction, description or demonstration, although it may include these. It must evidence originality, and independent thinking, appropriate form and organization, and a rationale. It may take the form of a creative work such as a literary or musical composition, a group of paintings, a performance, or a film. It also may take the form of an application such as a business plan, market survey, handbook development, curriculum plan, computing system or other endeavor. It must be described and summarized in a written document that includes the project's significance, objectives, methodology, and a conclusion or recommendation. An oral defense or presentation of the project is required.
3. The results of a written comprehensive examination, which has been prepared by either the appropriate department or faculty member, should demonstrate the student's ability to integrate the knowledge of the area, evidence critical and independent thinking, and in general show the mastery of the subject matter. The results of the examination must evidence independent thinking, appropriate organization, critical analysis and accuracy of documentation.



No academic distinction is made among a thesis, a project, or comprehensive examination. Each is equally acceptable as a means of fulfilling the requirements for the master's degree. Specific departmental instructions or requirements should, however, be ascertained by the candidate before enrollment in these courses.

Whether a student is preparing a thesis or a project, it should be noted that the quality of the work accomplished is a major consideration in judging acceptability. The finished product must evidence originality, appropriate organization, clarity of purpose, critical analysis, and accuracy and completeness of documentation.

Critical and independent thinking should characterize every project. Mere description, cataloging, compilation, or other superficial procedures are not adequate.

The quality of the writing, format, and documentation must meet standards approved by the department granting the degree. Format and writing must be consistent with the dictates of a style-manual authorized by the department. The student must consult with the department and the Graduate School concerning these matters before beginning work on the thesis or project.

All theses and projects must be written using the format requirements listed in the University guidelines. These guidelines are available on reserve in the Library or on the Graduate School website at [www.csustan.edu/graduate\\_studies/Publications](http://www.csustan.edu/graduate_studies/Publications).

1. Registration for thesis or project requires a prospectus approved by the student's thesis committee. Instructions for developing and gaining prospectus approval are available from the department. A student planning to register or reregister for thesis after a break of two semesters attendance must be readmitted to the University.
2. A student whose thesis or project is planned to extend over more than the term of first enrollment in 5990 or 5960 may only receive a Satisfactory Progress (SP) grade.
3. To maintain standing in a graduate program, students who have completed all registrations for their graduate course work, and who have registered for the maximum number of thesis or project semester units required by the program, are required to enroll for one unit of thesis or project through Extended Education, MDIS 7000, for \$125 per semester until they have completed their thesis or project. This allows students full use of the library and limited student services (excluding the use of the Health Center). Students must register for this unit during any semester or term in which they are working under direct faculty supervision.
4. Before a thesis or project is officially accepted by the Master's Committee, it must meet the above criteria on matters of format, documentation, and quality of writing.
5. No coauthored theses or projects are allowed. If two or more candidates are collaborating on research or a project, each must develop, write, and submit a separate and distinct thesis or project.

6. Two (2) approved copies of the thesis or project are required by the Graduate School no later than the last day of the term in which the student plans to graduate. Binding expenses are the student's responsibility. The Enrollment Services Office will not record a grade other than "SP" until the Dean of the Graduate School has given final approval for the thesis or project. Contact the Graduate School for detailed information on the review, approval, and bindery process.
7. Receipt of an approved thesis or project is the equivalent to publication and the thesis or project will be available to the public in the University library, including worldwide interlibrary loan.
8. A student may arrange to have the thesis or project published in microfilm form, with an abstract of the thesis published in the quarterly periodical, *Masters Abstracts*. The University encourages this form of publication. Further details of the microfilming and copyright procedure may be obtained from the University Librarian.

#### **Master's Degree Thesis or Project Committee**

1. The master's committee normally is composed of three members from the full-time instructional faculty, tenured or tenure track.
2. Under certain circumstances, a retired or emeritus faculty member with an academic specialization and/or qualifications that are not held by another department member may serve as a volunteer third committee member, but not as the committee chair.
3. Normally, the chair of the master's committee and the second member are from the department in which the thesis or project is written.
4. When appropriate, the committee may add to the three-member master's committee one individual who is not a member of the University faculty. Such an individual must be approved by the other members of the thesis or project committee of the student's major department and the Dean of the Graduate School.
5. The approval of master's committee appointments is the responsibility of the department in which the student is seeking the degree.

#### **Research - Federal, State, University Regulations**

All research conducted by faculty, staff, or students, or using university facilities, personnel or students must comply with relevant federal, state, and University policies. Failure to follow these policies may lead to an academic misconduct inquiry/proceeding or may result in student research not being accepted in fulfillment of a degree requirement. Additionally, failure to comply with University requirements means that the researcher is not acting as an employee or student of the University and he or she will be personally responsible for any legal actions resulting from the research activity. Under University policy, all research involving live human beings as subjects must be reviewed and approved by the Institutional Review Board for the Protection of Human Subjects in Research. This approval must be obtained in writing prior to any data collection (e.g.,

pilot work, field testing, etc.). All research, research training, experimentation, biological testing, teaching, and related activities involving live vertebrate animals, conducted at CSU Stanislaus or by CSU Stanislaus students or employees must be reviewed and approved by the Animal Welfare Committee. All research involving radioactive or other hazardous waste materials must be reviewed and approved by the University Risk Management Officer prior to obtaining the materials. Additional information on policy and procedures for conducting research at CSU Stanislaus may be obtained from the Office of Grants and Sponsored Programs, (209) 667-3493.

#### **Application for Graduation with a Master's Degree**

A request that the master's degree be granted must be filed (including verification of payment of the graduation fee) at the Enrollment Services Office in the first two weeks of a semester or first week of a summer session or winter term in which the work is to be completed.

Failure to complete requirements for the degree during the term of the application necessitates the filing of a new application for the term of actual completion.

A prospective candidate for a master's degree must apply to the Enrollment Services Office for readmission and be admitted for a new educational objective before April or October to qualify respectively for Fall or Spring Priority Registration.

#### **Applying for Award of the Graduate Academic Certificate**

When the requirements for an academic graduate certificate program have been completed, the student must submit a completed Application for Graduate Academic Certificate (including verification of payment of the certificate fee) to the program director of the area offering the certificate program. The program director will approve the award of the certificate and forward the form to the Graduate School for issuance and posting of the certificate.

#### **Honors at Graduation**

To be eligible to receive the master's degree with distinction, a student must be nominated by the department and must have earned at least a 3.9 grade point average in the program for the master's degree.

#### **Continued Enrollment after Degree Completion**

A CSU Stanislaus student seeking to continue academic enrollment following the completion of the master's degree must reapply to the University. The student must submit a new admission application to the University stating the new degree objective. If students seek readmission within one semester of graduation or their last registration, no application fee is required. All of the admissions, prerequisites, and program requirements of a second degree program must be met. Students are urged to contact the appropriate department for additional information. Upon prior written approval of the program coordinator, up to 9 units of course work from the first master's degree may be applied to the second degree. Exceptions require a student petition to be approved prior to beginning any course work in the second master's degree.

#### **Second Concentration in a Master's Degree**

CSU Stanislaus students who wish to seek a second concentration in the same discipline as their first earned degree may reapply for admission into a second concentration. Up to ten units of foundations courses from the first concentration may be allowed for a second concentration within the same master's degree. Additional units in the concentration, electives, and a thesis/project must be completed for the second concentration.

#### **Readmission**

A prospective candidate for a master's degree must apply to the University for readmission and be admitted for a new educational objective before April or October to qualify respectively for Fall or Spring Priority Registration.

If a student seeks readmission to the University within one semester after the student has been awarded a master's degree, no application fee is required; the student simply submits another admission application.

#### **Professional Ethics**

Students admitted to a master's degree program or credential program are expected to adhere to the standards of conduct detailed in the program's statement of professional ethics. Students who are admitted in postbaccalaureate unclassified status are expected to adhere to the standards of conduct detailed in the CSU Stanislaus Student Handbook statement of ethics. Failure to follow these guidelines or violations of the standards constitute student misconduct and will be handled in accordance with the student disciplinary guidelines in the CSU Stanislaus Student Handbook.

#### **Intellectual Honesty**

Respect for ownership and the expression of ideas is fundamental to advancing civilization, and it is a central feature of academic integrity. The expression of ideas is protected by law and appropriate citation credit is an ethical requirement for all scholarship. Plagiarism and any other representations in which a person knowingly presents the works of another without proper citation, is cause for disciplinary action as detailed in the CSU Stanislaus Student Handbook.

# MA/MS Interdisciplinary Studies Program

- Office:** Mary Stuart Rogers Gateway Center 160  
(209) 667-3129  
The Graduate School
- Director:** Diana Demetrulias  
Dean of the Graduate School
- Coordinator:** Jim Burns

The MA/MS Interdisciplinary Studies program is offered to accommodate those students whose interests are interdisciplinary. Each program is a specially designed course of study, involving two or more disciplines, that relates to a coherent theme. The program is designed for exceptional, individual cases only, and provides an opportunity to pursue learning outside the framework of existing graduate programs both at CSU Stanislaus and other institutions of higher education.

The MA degree is awarded in all fields, especially in the arts, letters, and humanities. The MS degree is generally awarded in the sciences and normally requires more course units than the MA degree.

## Minimum Prerequisites for Program Admission

A student must, as a first step, apply for admission to the University. The application form may be obtained from the Graduate School. After gaining admission to the University, the student must apply for admission to the MA/MS Interdisciplinary Studies program.

The successful student will normally meet all of the following criteria in order to be admitted to the MA/MS Interdisciplinary Studies program:

- A bachelor's degree from an accredited college or university.
- A minimum of 18 upper-division or graduate semester units in the primary field(s) of the proposed MA/MS Interdisciplinary Studies degree.
- A minimum grade point average of 3.0 in upper-division and graduate work completed at all educational institutions.
- The submission of the score on the Graduate Record Examination Writing Assessment, along with the proposed program document.

The GRE Writing Assessment score, the undergraduate and postbaccalaureate grade point average, and undergraduate preparation are used as indicators for success in the graduate program.

## Application Deadlines

The request to pursue a MA/MS Interdisciplinary Studies degree program must be submitted by the published deadlines. The University Interdisciplinary Committee generally reviews proposals five times during the academic year. Contact the Graduate School for application deadlines.

Establishment of and consultation with a faculty committee, writing the program proposal, incorporation of revisions, and obtaining program approval is a time consuming process. Students are urged to allow a full semester for this process to occur. The maximum number of units attempted prior to admission to the program, and included in the program, is 9 semester units. This includes transfer units, units taken at CSU Stanislaus in a prior semester, and current units in progress. Incomplete grades are considered as work in progress.

Students are encouraged to attend an orientation session and to understand fully the program requirements before submission of the proposal. Orientation sessions are typically conducted in September, February, and May of each academic year.

## Program Requirements

- Program admission requirements must be met (completion of baccalaureate, GPA of 3.0, minimum of 18 upper division/graduate units in primary field, submission of the GRE Writing Assessment score, and the proposed program document).
- The program must include a minimum of 30 semester units for the MA degree and 36 semester units for the MS degree.
- Only 4000 and 5000 level courses may be counted toward the required units.

- At least 15 units for the MA and 18 units for the MS must be earned in 5000 level courses.
- A minimum of 6 units for MA and 9 units for MS must be taken in one or more disciplines other than the primary field of concentration.
- A maximum of 9 units of independent study may be included in a student's program.
- A 4000/5000 level research methods course appropriate for the discipline(s) must be included in the program.
- The CSU graduate writing proficiency requirement must be met.
- Six (6) units of project or thesis must be included in the program. An oral defense is required.
- A maximum of 9 units of transfer credit may be included in the program. Extension, workshop, and institute credits are not acceptable.
- A maximum of 9 units completed prior to admission to the program may be included in the program.
- The CR/NC grading option is limited to field studies, practica, and internships and may not exceed 20 percent of the required course work.
- No grade below B may be applied to the degree.
- No course work taken more than 7 years prior to graduation may be applied to the program.

Any 4000 level course offered within a student's MA/MS Interdisciplinary Studies Program must be acknowledged by the instructor as containing assignments and grading which meet the higher standards of a graduate course. The methods a professor imposes to ensure more rigorous standards for graduate students are a matter of instructor preference. Additional readings, research papers, essay questions on examinations, and oral presentations are often employed to satisfy this requirement.

## Graduate Multidisciplinary

### Course Descriptions:

#### **MDIS 5900 Introduction to Graduate Field Research Methods (3 units).**

To provide basic knowledge and skills requisite to conducting field research; covers philosophical foundations of social research, research design, methods, analysis, basic SPSS, and interpretation. Quantitative and qualitative approaches will be considered; Prepares students to conduct research directed to meeting requirements for M.A. Special Major thesis or projects. (Successful completion of research prospectus meets Graduate Writing Competency Requirement.) (Fall)

#### **MDIS 5940 Graduate Internship in Community College Teaching (1 unit).**

Provides graduate students the opportunity to obtain teaching experience in the community college under the supervision of a faculty member and a community college mentor. Includes a biweekly seminar requirement. Prerequisites: Graduate standing, consent of the graduate director, and selection by the community college.

#### **MDIS 5960 Graduate Project (1-6 units).**

A terminal graduate project; intended for M.A. Special Majors. Prerequisites: Consent of instructor and major adviser.

#### **MDIS 5980 Individual Study (1-4 units).**

For postbaccalaureate students prepared for independent work and in need of advanced integrated studies. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

#### **MDIS 5990 Thesis (1-6 units).**

Thesis research; intended for M.A. Special Majors. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of major adviser.

#### **MDIS 7000 Continuing Thesis or Project (1 unit).**

Offered only through Extended Education. Non-credit course; Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register for this course during any semester or term in which they are working under direct faculty supervision.

# College of Arts, Letters, and Sciences

**Office:** Library Building 105  
(209) 667-3531

**E-mail:** Cjorritsma@csustan.edu  
**FAX:** (209) 664-7113

**Website:** <http://www.csustan.edu/ALS/ALS.HTM>

**Dean:** Mary Cullinan

**Associate Deans:** June Boffman  
James M. Klein

**New Major: (Subject to Chancellor's Office approval)**

## Agricultural Studies

The Agricultural Studies program gives students the opportunity to combine community college course work with courses at CSU Stanislaus to obtain a B.A. degree. Students take upper-division courses that build on specific knowledge and skills gained at the community college.

### Bachelor of Arts in Agricultural Studies

The Bachelor of Arts in Agricultural Studies is a multidisciplinary program that blends the contributions of a number of academic departments through upper division core courses and three concentrations: Agricultural Biology, Applied Economics, and Permaculture. The program encourages students to explore diverse approaches to agricultural production, distribution, and management in evolving economic and environmental settings. Experiential learning and applied research opportunities are offered through the concentrations.

The Agricultural Studies major provides students with an understanding of basic economic principles governing the production and distribution of agricultural resources; agricultural and environmental resource management; pre- and post-production business and marketing practices; physical, chemical, and biological principles of agroecosystems; global perspectives on food issues; restorative and sustainable agricultural practices; spatial and quantitative techniques; the social context of agricultural production; and public policy, regulatory, and land use issues.

In pursuing these objectives, the program encourages students to critically assess agricultural issues and trends; provides students with opportunities to systematically de-

velop their communicative, analytical, quantitative, and critical thinking skills; exposes students to diverse teaching and learning strategies in a number of academic disciplines; and delivers a high quality academic program that prepares students for emerging professional opportunities.

The major fosters sustainable relationships with area community colleges through the implementation of a "2+2" program design. Individuals who have an A.S. degree or equivalent lower-division course work in Agriculture, Agricultural Science, Agricultural Economics and closely related fields, and who complete the designated lower-division prerequisite courses, may participate in the program. Individuals currently employed will be admitted contingent on their completion of course requirements.

### Bachelor of Arts in Agricultural Studies

#### Requirements:

1. Complete the University's general education and other requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major. Associate of Science in Agriculture or 30 units in agriculture course work to include:
  - a. One course in Introduction to Plant Science
  - One course in Introduction to Animal Science
  - One course in Soil Science
  - One course in Agriculture Computer Application
  - One course in Agricultural Economics, *and*
  - b. Complete the following courses in supporting fields:
    - One course in Finite Mathematics or Statistics
    - One course in Principles of Macroeconomics
    - One course in Physical Geography
3. Complete the major (17 units)
4. Complete a concentration (20-25 units)

**The Major (17 units)**

- Complete the following upper-division core courses:
  - BIOL 4200 Ecological Agriculture, 3 units
  - GEOG 4070 Agricultural Geography, 4 units
  - GEOG 4750 Geographic Information Systems, 3 units
  - ECON 4640 Economics and Agriculture, 3 units
  - PSCI 4326 Planning Issues and Agriculture, 4 units

**Concentrations in the Major**

Students are required to complete a specific concentration in addition to the upper-division core courses in the Agricultural Studies major. The following three concentrations are offered, including specific concentration requirements.

**Concentration in Agricultural Biology (20 units)**

This concentration will have a biological focus and thus will appeal to students with an interest in the biological aspects of agriculture. The concentration provides students with a unique opportunity to combine upper-division courses about agriculturally related biology with studies about agricultural geography, economics, and planning issues.

**Prerequisites**

- One course in general chemistry with laboratory
- One general education course in mathematics - to be met by statistics

**Required (20 units)**

- One course in pest and/or beneficial organism identification from the botany/microbiology area (4 units)
  - BOTY 3500 Plant Pathology (4 units)
  - BOTY 3700 Flowering Plants (4 units)
- One course in pest and/or beneficial organism identification from the entomology/zoology area (4 units)
  - ENTO 3000 Principles of Entomology (4 units)
  - M BIO 3010 Bacteriology (3 units)
  - M BIO 3032 Bacteriology Laboratory (2 units)
  - ZOOL 4430 Invertebrate Zoology II (4 units)

If an equivalent course has been completed at the lower-division level, an equal number of upper-division elective units must be completed.

- One ecology course (4 units)
  - BIOL 4680 Ecology (4 units)
  - BOTY 4600 Plant Ecology (4 units)
- An internship in an agriculture-related setting, (2 units)
  - BIOL 4940 Internship in Biology (2-4 units)
- Upper-division elective units in agriculture-related courses (6 units minimum). Recommended electives would include additional courses from the lists above, *or*
  - BIOL 4000 Biogeography, 3 units
  - BIOL 4010 Research and Technical Writing in Biology (WP), 3 units
  - BIOL 4300 Conservation Biology, 3 units
  - BOTY 3000 Principles of Plant Propagation, 3 units
  - BOTY 3050 Plants, Agriculture, and Man, 2 units
  - BOTY 4200 Plant Physiology, 4 units

- ENTO 4330 Medical and Veterinary Entomology, 4 units
- M BIO 4600 Food Microbiology, 3 units
- M BIO 4700 Host-Parasite Interactions, 3 units
- NSCI 3000 Science for Self-Sufficiency, 3 units
- GEOG 4301 Permaculture Applications in Diverse Environments, 3 units
- GEOG 4750 Geographic Information Systems, 3 units

Specific elective courses within the concentration may have additional prerequisites (e.g., BOTY 4200, M BIO 4600 and M BIO 4700). Students who have not completed specific prerequisites are allowed to enroll only with the consent of the instructor.

**Concentration in Applied Economics (23 units)**

Courses in the concentration expose students to economic concepts such as resource allocation at the firm level and at a macro level. Students in the program will gain important statistical skills including forecasting and knowledge about international markets. The program is flexible in that students can develop an individual study/internship in a related field for university credit.

**Prerequisites**

- One course in agricultural accounting
- One course in agricultural marketing

**Required (10 units)**

- ECON 3205 Quantitative Analysis, 4 units
- ECON 4331 Managerial Economics, 3 units
- ECON 4560 Natural Resources and Environmental Economics, 3 units

**Electives (minimum of 13 units with at least one course from each area)**

- International
  - ECON 4401 Third World Economics, 3 units
  - ECON 4415 International Economics, 3 units
  - ECON 4455 The U.S. and World Trade, 4 units
- General Economics
  - ECON 4100 Labor Economics, 3 units
  - ECON 4500 Economics of Investment, 4 units
  - ECON 4335 Political Economy (WP), 4 units
  - ECON 4910 Cooperative Education, 2-4 units
  - ECON 4980 Individual Study, 1-4 units

Students in this concentration also will be advised to fulfill as many of the university requirements as possible by taking upper-division courses in marketing, accounting, and finance.

**Concentration in Permaculture (22-25 units)**

Permaculture is a design approach for agroecosystems. With a focus on long-term sustainability, it emphasizes ecological principles and diversity of plant and animal combinations suited to the characteristics of places and cultures. As such, it is appropriate for students who are concerned with resource issues, agriculture, community development, and land use planning.

**Prerequisite****Required**

1. Physical Environment, 3 units
  - BIOL 4000 Biogeography, 3 units
  - GEOG 3100 Climatology, 3 units
  - GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology, 3 units
2. Ecology (3-4 units)
  - GEOG 3020 Human Ecology, 3 units
  - BIOL 4650 Aquatic Biology, 4 units
  - BIOL 4680 Ecology, 4 units
  - BOTY 4600 Plant Ecology, 4 units
  - PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units
3. Techniques (10-12 units)
  - ANTH 4250 The Ethnoecology of Southeast Asia, 4 units
  - PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
  - PSCI 4325 Land Use Planning, 3 units
  - BOTY 3500 Introductory Plant Pathology, 4 units
  - ENTO 3000 Principles of Entomology, 4 units
  - ENTO 4800 Agricultural Entomology, 4 units
4. Capstone Course (3 units)
  - GEOG 4301 Permaculture Applications in Diverse Environments, 3 units
5. Internship in an ag-related setting, 3 units  
It is strongly recommended that students take an internship with the campus BioAg Center or with a local agricultural entity (including community gardens, Heifer International). See appropriate discipline for internship interests.

**Biological Sciences**

Update to Elective Concentrations in the Major on page 92 of the 2001-2003 Catalog:

**Elective Concentrations in the Major****Requirements (16 units minimum, unless specified otherwise)**

Students wishing to have a specific concentration may do so by completing all the requirements for a major in biological sciences, to include specific concentration requirements listed below. A minimum of 16 upper-division units must be completed within the area of concentration. Additional units within the concentration will be selected with the assistance of the adviser. Units taken to complete a concentration also count where appropriate, within the major. The following concentrations are offered:

**1. Botany**

- BOTY 3130 Morphology of Plants, Algae and Fungi, 4 units
- BOTY 3700 Flowering Plants, 4 units
- BOTY 4200 Plant Physiology, 4 units

**Electives:**

An additional 4 units selected with assistance of the adviser.

**2. Entomology**

- ENTO 3000 Principles of Entomology, 4 units
  - ENTO 4330 Medical and Veterinary Entomology, 4 units
  - ENTO 4800 Agricultural Entomology, 4 units
- An additional 4 units selected with assistance of the adviser.

**3. Ecology and Field Biology (17-18 units)**

- a. Complete the following required courses:
    - BIOL 4680 Ecology, 4 units
    - BIOL 4830 Evolution and Population Genetics, 2 units
  - b. Complete one of the following courses:
    - BIOL 4000 Biogeography, 3 units
    - BIOL 4300 Conservation Biology, 3 units
    - BIOL 4500 Quantitative Ecology, 4 units
    - BIOL 4700 Ecology and Exotic Species, 3 units
  - c. Complete one of the following courses:
    - BIOL 4630 Marine Biology, 4 units
    - BIOL 4650 Aquatic Biology, 4 units
    - BIOL 4720 Topics in Rocky Intertidal Biology, 4 units
    - BIOL 4740 Deep Sea Biology, 4 units
    - BOTY 4600 Plant Ecology, 4 units
  - d. Complete one of the following courses:
    - BOTY 3700 Flowering Plants, 4 units
    - ENTO 3000 Principles of Entomology, 4 units
    - ZOOL 3610 General Vertebrate Zoology, 4 units
    - ZOOL 4420 Invertebrate Zoology I, 4 units
    - ZOOL 4430 Invertebrate Zoology II, 4 units
    - ZOOL 4620 Herpetology, 4 units
    - ZOOL 4630 Ornithology, 4 units
    - ZOOL 4640 Mammalogy, 4 units
- Selected MSCI courses with consent of adviser.

**4. Environmental Sciences**

A biological sciences major may complete additional requirements in the sciences and mathematics to qualify for an Environmental Sciences concentration, in addition to the Bachelor of Arts or Bachelor of Science degree in Biological Sciences. This program requires study in biological sciences, chemistry, computer science, mathematics, and physical sciences, along with an environmental seminar and investigation of an environmentally related problem. Further details are found in the "Environmental Sciences" section on page 150 of the 2001-2003 university catalog.

**5. Genetics**

- a. Complete the following required courses:
  - BIOL 3310 Cellular and Molecular Biology, 3 units
  - BIOL 3350 Introductory Genetics, 3 units
- b. Complete one of the following courses:
  - BIOL 4870 Recombinant DNA, 2 units, *or*
  - BIOL 4850 DNA Technology in Forensic Science, 2 units
- c. Complete one of the following courses and corresponding lab:
  - CHEM 4400 and 4402 Biochemistry, 4 units, *or*
  - MBIO 3010 and 3032 Bacteriology, 5 units

- d. Complete two additional advanced genetic courses selected from:  
 BIOL 4820 Cytogenetics, 2 units, *or*  
 BIOL 4830 Evolution and Population Genetics, 2 units, *or*  
 BIOL 4840 Molecular Genetics, 2 units, *or*  
 BIOL 4860 Cell Culture and Advanced Biotechnology, 2 units
- 6. Marine Biology**  
 ZOO 4420 Invertebrate Zoology I, 4 units (or MSC 3240)  
 ZOO 4430 Invertebrate Zoology II, 4 units (or MSC 3250)  
 BIOL 4630 Marine Biology, 4 units (or MSC 3030)  
 BOTY 3130 Morphology of Plants, Algae, and Fungi, 4 units (or MSC 3910)  
 One term of residence at Moss Landing Marine Laboratories or another marine station.
- 7. Microbiology**  
 a. Complete the following required courses (5 units):  
 MBIO 3010 Bacteriology, 3 units  
 MBIO 3032 Bacteriology Laboratory, 2 units  
 b. Select elective courses listed below to complete the concentration:  
 BIOL 4100 Immunology, 3 units  
 MBIO 4300 Medical Microbiology, 4 units  
 MBIO 4600 Food Microbiology, 3 units  
 MBIO 4700 Host Parasite Interactions, 3 units  
 MBIO 4950 Selected Topics, 1-4 units  
 BOTY 3500 Introductory Plant Pathology, 4 units  
 ENTO 4330 Medical and Veterinary Entomology, 4 units  
 ZOO 4440 General Parasitology, 4 units
- 8. Zoology**  
 Select at least one course from each of the following groups:  
 a. ZOO 3610 General Vertebrate Zoology, 4 units  
 ZOO 4620 Herpetology, 4 units  
 ZOO 4630 Ornithology, 4 units  
 ZOO 4640 Mammalogy, 4 units  
 b. ZOO 4420 Invertebrate Zoology I, 4 units  
 ZOO 4430 Invertebrate Zoology II, 4 units  
 ENTO 3000 Principles of Entomology, 4 units  
 c. ZOO 4230 Animal Physiology, 4 units  
 ZOO 4280 Physiology of Human Systems, 4 units

**Update to the Liberal Studies Concentration in Biological Sciences (page 92 of the 2001-2003 Catalog):**

**Liberal Studies Concentration in Biological Sciences**

Requirements (20 units)\*

1. Complete the following courses (7 units):  
 a. BOTY 1050 Introduction to Botany, 4 units, *or*  
 ZOO 1050 Introduction to Zoology, 4 units

- b. BIOL 2310 Human Genetics, 3 units, *or*  
 BIOL 2650 Environmental Biology, 3 units  
 (Any of the above courses may be used to satisfy G.E. area B.2.)
2. Select one of the following courses dealing with the diversity of biological organisms (4 units):  
 BOTY 3130 Morphology of Plants, Algae, and Fungi, 4 units  
 BOTY 3700 Flowering Plants, 4 units  
 ENTO 3000 Principles of Entomology, 4 units  
 ZOO 3610 General Vertebrate Zoology, 4 units  
 ZOO 4420 Invertebrate Zoology I, 4 units  
 ZOO 4430 Invertebrate Zoology II, 4 units
3. Select a minimum of 9 upper-division elective units from the following list:  
 BIOL 3000 Frontiers in Biology, 3 units  
 BIOL 3020 Introduction to Evolution, 3 units  
 BIOL 3100 Biological Illustrations, 3 units  
 BIOL 4020 Biology for Decision Making, 3 units  
 BIOL 4050 Ecosystem Case Studies, 3 units  
 BIOL 4200 Ecological Agriculture, 3 units  
 BIOL 4350 DNA: The Code of Life, 3 units  
 BIOL 4610 Elements of Environmental Science, 3 units
- \*Twelve units of the concentration may not cross count with upper-division GE or the Liberal Studies major.

**Deleted Courses:**

BOTY 3100 Survey of Nonvascular Plants, 4 units  
 BOTY 3120 Morphology of Vascular Plants, 4 units

**Course Number Change:**

**BIOL 4300 Conservation Biology (3 units).**  
 (Formerly BIOL 3300) Current issues in conservation biology, including conservation methods and factors leading to loss of biodiversity. Prerequisites: ZOO 1050 and BOTY 1050 or consent of instructor. (Lecture, 3 hours)

**New Courses:**

**BIOL 4350 DNA: The Code of Life (3 units).**  
 A basic introduction to human genetics and explorations into the technological and ethical aspects of current controversial genetics issues. Satisfies G.E. area F1. One of three cluster courses in the G.E. Summit Program (Humans in the Information Age). Prerequisites: Completion of G.E. area B, junior standing, and consent of Summit Program Coordinator.

**BIOL 4500 Quantitative Ecology (4 units).**  
 A practical, hands-on introduction to experimental methods, population models, and ecological statistics used by conservation biologists and environmental scientists. Topics include principles and procedures of experimental design, randomization tests, sampling methods, life tables, survival estimation, population and landscape models, capture-recapture, meta-analysis, spatial analysis, niche metrics, and community characterization. Corequisite: BIOL 4502. Prerequisite: BIOL 4680. (Lecture, 3 hours; laboratory, 3 hours) (Winter)



**BOTY 3130 Morphology of Plants, and Algae Fungi (4 units)**

(Formerly BOTY 3100 and 3120) A comparative study of the structure, development, ecology, evolutionary relationships and economic importance of plants, algae, and fungi. Satisfies the departmental diversity requirement. Corequisite: BOTY 3132. Prerequisite: BOTY 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips). (Fall even numbered years)

**New Course:****ENTO 4800 Agricultural Entomology (4 units)**

An ecologically-based holistic survey of pest-natural enemy interactions of selected Central Valley crops emphasizing the origin, identification, biology, damage symptoms, and biological control of insect pests. Related topics include population and community sampling methods, pest management decision-making and forecasting, host-plant resistance, insect outbreaks, trophic cascades, and food web dynamics. The laboratory component will survey local pest and natural enemy complexes of important row, fiber, and orchard crops. Satisfies the departmental diversity requirement. Corequisite: ENTO 4802. Prerequisites: One year of college-level biology including ZOO 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips). (Spring)

**Chemistry****New Course:****CHEM 2070 Biochemistry for Nurses (3 units)**

Fulfills requirement for the BSN pre-licensure program. Biochemistry of sugars, lipids, and proteins. Introduction to hormones, neurochemistry, and membrane transport. Prerequisite: CHEM 1100/1102/1104 or CHEM 1000/1002. (Winter)

**Prerequisite Change:****CHEM 3050 Forensic Chemistry (4 units)**

Application of chemical principles to the detection, analysis, and characterization of physical evidence in the context of forensic science. Corequisite: CHEM 3052. Prerequisites: CHEM 1100, 1110, 2010, and 3010. (Lecture, 3 hours; laboratory, 3 hours)

**Course unit Correction:****CHEM 3060 Our Molecular world (3units)****Cognitive Studies****New Course:****COGS 4350 The Information of Meaning (3 units)**

Focuses on the contemporary theory of information and will include applications to biology/genetics, language/linguistics, cognitive/artificial intelligence, philosophy, and the arts. Satisfies G.E. areas F3 and G. One of three cluster courses in the G.E. Summit Program (Humans in the Information Age). Prerequisites: Upper-division standing, completion of lower-division general education, BIOL 4350, and consent of Summit Program Coordinator.

**Title and Course Level Change:****COGS 4440 Psychology of Workplace Performance (3 units)**

(Formerly COGS 3200; same as PSYC 4440) The human/machine interface provides the domain for human factors research and applications. The interaction between individual cognitive abilities and machines is a critical concern in the design and development of new technologies. Provides the basic skills needed to optimize human performance.

**Communication Studies****Description Change:****COMM 2011 Introduction to Communication Studies (3 units)**

Introduction to the field of human communication as developed in contemporary theory and research. Recurrent variables in verbal and non-verbal interaction are traced through the intrapersonal, interpersonal, and multi-personal systems. Satisfies G.E. area D2. Open only to freshmen and sophomores. (Fall)

**Title and Description Change:****COMM 4120 Public Relations Campaigns (3 units)**

(Formerly Advanced Persuasion and Social Influence) Tools and techniques of public relations. Application of public relations principles in a public relations campaign. Prerequisites: COMM 4210 or consent of instructor. (Spring)

## Criminal Justice

### New Minor:

#### Forensic Science Minor (19 units)

- Complete the following courses (13 units):
  - CJ 2280 Criminal Law, 3 units
  - CJ 3700 Criminalistics I, 4 units
  - BIOL 4850 DNA Technology in Forensic Science, 2 units
  - CHEM 3050 Forensic Chemistry, 4 units
- Complete 2 of the following upper-division courses or other upper-division courses with approval of academic adviser (6 units minimum):
  - ANTH 4420 Bodies of Evidence, 3 units
  - CJ 3710 Criminalistics II, 4 units
  - CJ 4250 Psychology of Criminal Behavior, 4 units
  - CJ 4850 Scientific Evidence and the Law, 3 units
  - CJ 4940 Criminal Justice Internship, 3 units
  - ENTO 4330 Medical and Veterinary Entomology, 4 units
  - PSYC 4320 Forensic Psychology, 3 units

### Title and Description Change:

#### **CJ 3700 Criminalistics I (4 units).**

(Formerly Criminalistics: An Introduction to Forensic Science) Study and analysis of the use of science and technology in criminal justice. Focuses on the broad-based concept of the investigative crime laboratory in criminal investigations and crime solving. Explores topics such as the examination of soil, serology, and firearms. Students will be required to complete an assigned lab project. Corequisite: CJ 3703. Prerequisites: CJ 2250, CJ 2280, and CHEM 1100 or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Fall)

### New Courses:

#### **CJ 3710 Criminalistics II (4 units).**

Continuation of CJ 3700 Criminalistics I. Study and analysis of the use of science and technology in criminal justice. Students will be required to complete an assigned lab project. Corequisite: CJ 3713. Prerequisites: CJ 2250, CJ 2280, and CJ 3700 or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Spring)

#### **CJ 4030 Criminal Justice Research Analysis (4 units).**

Familiarizes students with quantitative measurement of justice variables including formulation of research designs, application of research techniques, data analysis, and interpretation. Includes understanding and performing basic research on data sets. Prerequisites: CJ 3170, or MATH 1600, or consent of instructor.

### Description Change:

#### **CJ 5940 Graduate Internship in CJ (1-3 units).**

Prepares students to work effectively in criminal justice agencies while serving as an intern with experienced professionals in law enforcement, corrections, and law. Prerequisites: Consent of graduate director and internship coordinator, 18 hours completed graduate course work. Maximum of 3 units.

### Concentration Requirements Change:

(Update to page 127 of the 2001-2003 Catalog)

#### Forensic Science Concentration

(25-26 units minimum)

- The following General Education-Breadth courses or their equivalents are required prerequisites to the major:
  - CHEM 1100 Principles of Chemistry I, 5 units
  - BIOL 2310 Human Genetics, 3 units
  - MATH 1600 Statistics, 4 units
  - PSYC 2030 Psychology of Adjustment, 3 units
- The following is required to complete the Criminal Justice major with a Forensic Science concentration (61-62 units total):
  - Lower-division prerequisites, 15 units
  - Core courses, 21 units
  - Concentration courses, 25-26 units
    - ANTH 4420 Bodies of Evidence, 3 units
    - BIOL 4850 DNA Technology in Forensic Science, 2 units
    - CJ 3700 Criminalistics I, 4 units
    - CJ 3710 Criminalistics II, 4 units
    - CJ 4850 Scientific Evidence and the Law, 3 units
    - CJ 4940 Criminal Justice Internship, 3 units
    - PSYC 4320 Forensic Psychology, 3 units

One of the following:

- CHEM 3050 Forensic Chemistry, 4 units
  - CJ 4250 Psychology of Criminal Behavior, 4 units
  - ENTO 4330 Medical and Veterinary Entomology, 4 units
- Or other upper-division course work as approved by the adviser, 3-4 units

## Economics

### Unit Change:

#### **ECON 4560 Natural Resources and Environmental Economics (4 units).**

Examines how people choose to allocate scarce natural and environmental resources to try to meet our unlimited wants; how these resources affect production, consumption, and well being; and how production and consumption affect the natural environment. Prerequisites: ECON 2500 and ECON 2510 or consent of instructor.

### New Course:

#### **ECON 4700 Contemporary Economic Issues (3 units).**

Analysis of economic issues and problems in contemporary society for future teachers. An application of basic concepts and analysis to current economic problems and identification of trends in our global economy. Designed specifically for future teachers. (LIBS.Integrative: Social Inquiry)

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## English

### New Course:

#### **ENGL 5941 Internship: Teaching Writing (3 units).**

A faculty-guided field experience, designed by the student, in work environments related to teaching writing.

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## Ethnic Studies

### New Courses:

#### **ETHS 3250 African American Images in the Arts and Media (4 units).**

Using films, still images and music, this course critically analyzes negative stereotypical media images of African Americans and the ways in which African Americans use the media to provoke social thought and change.

#### **ETHS 4030 Asian American Families (3 units)**

(Same as GEND 4030) An exploration of the rich diversity in Asian American families as they reflect the cultural histories and adaptations of East and Southeast Asian peoples in America. The nature of family organization, the socioeconomics of family resources, changing gender and status roles within the family, and the socialization process of family members into the ethnic and majority cultures will be examined. Prerequisite: ETHS 2200 or ETHS 4200.

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## Gender Studies

### New Courses:

#### **GEND 4030 Asian American Families (3 units).**

(Same as ETHS 4030) An exploration of the rich diversity in Asian American families as they reflect the cultural histories and adaptations of East and Southeast Asian peoples in America. The nature of family organization, the socioeconomics of family resources, changing gender and status roles within the family, and the socialization process of family members into the ethnic and majority cultures will be examined. Prerequisite: ETHS 2200 or ETHS 4200.

#### **GEND 4750 Comparative World Women: Perceptions of Gender (3 units).**

(Same as HIST 4750) Designed to study women's history in a comparative context through investigations of various spatial and temporal settings. Such an approach reveals differences and highlights similarities with the ultimate intent to challenge established perceptions of women in their respective cultures. Satisfies G.E. areas F3 and G. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). Prerequisite: Consent of Summit Program Coordinator.

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## Geography

### New Course:

#### **GEOG 3330 Ethnic Geography (3 units).**

Examines ethnic patterns, processes, identity, and ethnic heritage in North America. Patterns and processes of migration, settlement, and evolving ethnic landscapes in the Central Valley region are emphasized. Satisfies G.E. area G.

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## History

### New Courses:

#### **HIST 4740 Capital Punishment and World Societies (3 units).**

A survey of the history of capital punishment in world societies from the ancient world to the 21st century with a focus on the legal, political, and cultural factors that influenced the development and practice of this form of punishment. One year of college level history or consent of instructor.

#### **HIST 4750 Comparative World Women: Perceptions of Gender (3 units).**

(Same as GEND 4750) Designed to study women's history in a comparative context through investigations of various spatial and temporal settings. Such an approach reveals differences and highlights similarities with the ultimate intent to challenge established perceptions of women in their respective cultures. Satisfies G.E. areas F3 and G. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). Prerequisite: Consent of Summit Program Coordinator.

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## Honors

The Honors Program brings together a community of faculty and students to study and discuss interesting issues and topics of current interest. Honors students work closely with one another and develop close ties with their faculty mentors. The program offers a learning environment for students desiring to engage in academic studies with vitality, discipline, critical perspective, and intellectual curiosity.

The program is open to students of all majors. Cohorts of freshmen and juniors are admitted, and sophomore and mid-year applicants are accepted, on a space-available basis. There are specific course requirements in each year of the program.

The Honors Program "First-Year Experience" curriculum emphasizes humanistic inquiry and helps students develop and refine skills for intellectual reading, writing, thinking, discussion, and research.

In the sophomore year, Honors students focus on social issues and institutions. This stage of the program emphasizes team-based research, and integrates a well-focused service learning experience.

In the junior year, students explore diverse investigative methods, gain facility with a broad array of research tools (including information resources, research protocols, and methods for conducting research across disciplines) and contribute to a team-based analysis of complex problems. Juniors also identify a faculty mentor to sponsor and guide their Capstone research project.

In the senior year, students conduct research or creative work under the guidance of a faculty mentor. The faculty mentor helps develop a creative and compelling research program, helps guide the research project, and provides feedback on the emerging thesis or project. Students meet in seminars throughout the year to discuss the focus and results of their research and to develop and critique their contributions for the annual Honors Research Conference. Students complete the Honors Thesis or Capstone Project by mid-spring and translate this into a public presentation for the Honors Conference in May.

Co-curricular experiences and field trip excursions help to expand the scope of learning beyond the classroom.

Honors students participate in a well-focused academic learning community. Emphasis is placed on interdisciplinary study of relevant social topics. The program goal is to promote intellectual curiosity and a personal engagement with learning. To this end, the focus is on a broad spectrum of research with emphasis on a rich variety of methods for analyzing, synthesizing, and communicating information.

There is considerable scholarship support for students in the program, including President's Scholars awards for high achieving students who enter the program as freshmen or juniors, and Rogers Scholars awards for juniors and seniors who demonstrate the highest academic merit.

### Honors Program Curriculum

(4-Year Curriculum: 40 units; Transfer Curriculum: 20 units)

#### First-Year Experience (13 units):

##### Fall I:

- HONS 1010 Reading Seminar in the Humanities, 3 units (G.E. area C2)
- ENGL 1005 Honors Composition, 3 units (G.E. area A2)

##### Winter I:

- COMM 2005 Honors Discussion Seminar, 3 units (G.E. area A1)

##### Spring I:

- PHIL 2005 Honors Critical Thinking Seminar, 3 units (G.E. area A3)
- HONS 1020 Mathematical Connections, 1 unit\*

Also required: College-level math course, 3-4\* units (G.E. area B2)

\*students enrolling in a 4 unit course are exempt from HONS 1020

Also recommended: Science course w/lab, 3-5 units (G.E. area B1)

#### Sophomore Experience (7 units):

##### Fall II:

- HONS 2010 Reading Seminar: Social Inquiry, 3 units (G.E. area D2b)

##### Spring II:

- HONS 2850 Service Learning Project, 1 unit\*
- HONS 2990 Sophomore Seminar: Institutions, 3 units (G.E. area D2a)

\*students can shift this requirement to another term

#### Junior Experience: Interdisciplinary Research (12 units):

- HONS 3000 Intellectual Methods in Humanities, 3 units (G.E. area F2)
- HONS 3050 Methods of Discovery in Social Science, 3 units (G.E. area F3)
- HONS 3100 Methods of Inquiry in Natural Science, 3 units (G.E. area F1)

##### Spring III:

- HONS 3500 Information/Research/Analysis, 3 units (G.E. area E1)

#### Senior Capstone Research and Analysis (8 units):

##### Fall IV:

- HONS 4200 Senior Colloquium, 1 unit, **and**
- HONS 4990 Senior Thesis\*, **or**
- HONS 4995 Capstone Project\*, **or**
- Discipline-based Senior Thesis\*

##### Winter IV:

- HONS 4990 Senior Thesis\*, **or**
- HONS 4995 Capstone Project\*, **or**
- Discipline-based Senior Thesis\*

##### Spring IV:

- HONS 4990 Senior Thesis\*, **or**
- HONS 4995 Capstone Project\*, **or**
- Discipline-based Senior Thesis\*
- HONS 4960 Presentation Seminar, 1 unit

\*Students earn 6 units for completing the Senior Capstone Project.

#### Title and Description Change:

##### HONS 1010 Reading Seminar in the Humanities (3 units).

(Formerly *Directed Reading Seminar*) Emphasizes careful reading and analysis of interdisciplinary writings. Discussion-oriented seminars focus on intellectual practices relevant to humanistic inquiry. Emphasis on developing abstract imagination, reflective analysis, and techniques of critical reading. Satisfies lower-division G.E. requirement in the Humanities (area C2). (Fall of freshman year)

#### New Course:

##### HONS 2010 Reading Seminar in the Social Sciences (3 units).

Emphasizes careful reading and analysis of interdisciplinary readings in the human and social sciences. Discussion-oriented seminars focus on methods and practices relevant to social inquiry, including human behavior, social institutions, and cultural history and analysis. Satisfies G.E. area D2b. (Fall of sophomore year)

**Course Deletion:****HONS 2500 Information/Research/Analysis (3 units).****Title, Units, and Description Change:**

**HONS 2850 Honors Service Learning Project (1 unit).**  
(Formerly *Service Learning Practicum*) Community service internship or research project reflecting community interests or having application to social problems. Reflective analysis of the value of experiential learning for evaluating practical applications of theory and knowledge. (Spring of sophomore year)

**New Course:****HONS 2990 Sophomore Seminar: Human and Social Institutions (3 units).**

Emphasizes careful reading and analysis of interdisciplinary writings. Discussion-oriented seminars focus on methods and practices relevant to the study of human and social institutions. Satisfies lower-division G.E. requirement in area D2a. (Spring of sophomore year)

**Title and Description Change:****HONS 3000 Intellectual Methods in the Humanities (3 units).**

(Formerly *Intellectual Methods*) Theme-based Honors seminar emphasizing humanistic inquiry. Close reading, thoughtful discussion, and critical analysis of arguments. Emphasis on making connections across disciplines and designing and completing a personal research project utilizing humanistic inquiry. Part of a three-course theme-based cluster satisfying G.E. area F2 requirement.

**Description Change:****HONS 3050 Methods of Discovery (3 units).**

Students will explore and apply a variety of investigative methodologies. Emphasis on the application of advanced reading, thinking, and writing skills to a team-based study of complex problems. Part of a three-course theme-based cluster satisfying G.E. area F3 requirement.

**New Course:****HONS 3100 Methods of Inquiry in the Sciences (3 units).**

Students will explore and apply a variety of investigative methodologies drawn from the natural sciences. Emphasis on making connections across disciplines and applying skills of scientific research to personal and team-based studies of complex problems. Part of a three-course theme-based cluster satisfying G.E. area F1 requirements.

**Course Number and Description Change:****HONS 3500 Information/Research/Analysis (3 units).**

(Formerly *HONS 2500*) Application-based introduction to information resources, with attention to issues of access and evaluation. Emphasis on learning how to conduct efficient and effective information searches and acquiring knowledge of basic research protocols. Includes independent research/discussions with research mentor leading to an approved research proposal for Honors Thesis or Capstone Project. Satisfies G.E. area E1. (Spring of junior year)

**Title and Unit Change:****HONS 4960 Honors Presentation Seminar (1 unit).**

(Formerly *Presentation Seminar* and *Senior Conference*) Students present and review Honors projects in a seminar and conference setting. Emphasis on developing the aptitude for making effective presentations, together with practice in providing constructive feedback, engaging in collaborative peer editing, and framing and responding to thoughtful questions from your audience. (Spring of senior year)

**Title and Description Change:****HONS 4990 Honors Thesis (3-6 units).**

(Formerly *Senior Thesis*) Creative analysis of a significant theme or issue, incorporating primary sources of information, and applying interdisciplinary forms of experimental inquiry and intellectual analysis. Project must reflect a sound application of research methods, analytical frameworks or performance criteria from two or more disciplines. May be repeated for a total of 6 units. Prerequisite: Senior standing in University Honors Program.

**HONS 4995 Honors Capstone Project (1-3 units).**

(Formerly *Senior Capstone Project* and *Honors Research*) Creative project involving multidisciplinary research and analytical reflection on a significant theme or issue. Capstone project must incorporate original studies, experiments or creative endeavors, and must involve sound application of research methods, analytical frameworks or performance criteria from two or more disciplines. May be repeated for up to 6 units.

## Humanities

### New Course:

#### **HUM 4750 Perceptions of Culture (3 units)**

Examines three aspects of perception: the physical, the intellectual, and the cultural. Course content includes study of writings, music, paintings, architecture, and/or films by or about peoples of South and Central America, Asia, Africa, the Middle East, the Pacific Northwest, and the South Pacific. Satisfies G.E. area F2. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). Prerequisite: Consent of Summit Program Coordinator.

## Liberal Studies

All students entering under the 2002-2003 catalog or later may *not* obtain a waiver of the MSAT by completing former Liberal Studies curriculum. The new curriculum is under review by the California Commission on Teacher Credentialing and not available at the time of printing of this catalog supplement. Please ask the Liberal Studies Department or check the Liberal Studies website for program details. See [www.csustan.edu/LiberalStudies](http://www.csustan.edu/LiberalStudies).

### Unit Change:

#### **LIBS 1000 Beginning Field Experience (3 units).**

### New Course:

#### **LIBS 1010 Beginning Field Experience Exam (3 units).**

Open to Liberal Studies majors with extensive past work in California public schools and with proof of current paid or unpaid placements in K-6 public school classrooms containing 25% or more language diversity. Allows students to fulfill the Liberal Studies major prerequisite—Beginning Field Experience—without university classroom participation. The Liberal Studies Department provides a syllabus and assignments, but no other instruction or support for this course. Corequisite: LIBS 1014. Prerequisite: Consent of instructor.

### Unit Change:

#### **LIBS 2000 Intermediate Field Experience (3 units):**

### New Course:

#### **LIBS 4920 Liberal Studies Deans' Team (2 units).**

Exploration of the elements of effective communication and classroom management with individuals of diverse backgrounds. Students will learn and practice effective verbal and non-verbal communication and active listening while facilitating weekly small group discussions of LIBS 1000 students. Students are required to attend training and debriefing sessions and LIBS 1004 class sessions. May be repeated for a total of 8 units. Prerequisites: Sophomore standing and consent of instructor.

### Unit Change:

#### **LIBS 4960 Senior Seminar (3 units).**

## Marine Sciences

### Description Change:

#### **MSCI 3040 Quantitative Marine Science (4 units).**

Mathematical methods for the analysis of biological, chemical, and physical data from the marine environment; experimental design, parametric, and non-parametric statistics. Not for major credit. Corequisite: MSCI 3042. Prerequisite: College mathematics. (Lecture, 3 hours; laboratory or field, 3 hours) (MLML 104) (Fall)

### Deleted Course:

#### **MSCI 3110 Introduction to Marine Animal Behavior (4 units).**

### Description Change:

#### **MSCI 3240 Marine Invertebrate Zoology I (4 units).**

A field-oriented introduction to the structure, systematics, evolution, and life histories of the major and minor marine phyla. Corequisite: MSCI 3242. Prerequisites: College zoology or consent of instructor; MSCI 3030 recommended. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 124) (Spring).

#### **MSCI 3420 Physical Oceanography (4 units).**

An introduction to the nature and causes of various oceanic motions including currents, waves, tides, and mixing, and the physical properties of seawater. Limited use of calculus. Corequisite: MSCI 3422. Prerequisites: College algebra; college physics recommended. (Lecture, 3 hours; laboratory, 3 hours) (MLML 142) (Fall)

### Course Deletions:

#### **MSCI 3610 Marine Fisheries (4 units).**

#### **MSCI 3730 Topics in Marine Biology (1-4 units).**

#### **MSCI 3740 Topics in Oceanography (1-4 units).**

#### **MSCI 3770 Microscopic Techniques (3 units).**

### New Course:

#### **MSCI 5010 Library Research Methods in Marine Science (1 unit).**

Provides framework for using and evaluating information sources in marine science. Strong emphasis will be placed on developing critical skills. Interweaving bibliographic tools into the history of marine science will reinforce knowledge of the appropriate resource for each question. Prerequisites: Graduate standing and consent of instructor. (MLML 201)

**Title and Description Change:**

**MSCI 5020 Oceanographic Instrumentation (4 units).** (Formerly Marine Instrumental Analysis) Principles of instruments used in oceanographic research; introduction to electronics, and applications of instrument measurements. Emphasis will vary from CTD profilers, current meters, radiometry, and chemical measurement. Corequisite: MSCI 5022. Prerequisites: MSCI 3410, 3420, and consent of instructor. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 202) (Alternate spring semesters)

**New Courses:****MSCI 5060 Molecular Biological Techniques (4 units).**

Laboratory-based overview of concepts and techniques for the isolation, characterization, and analysis of DNA and RNA. Covers standard methods (amplification, cloning, and sequencing), and selected specialized techniques (analysis of gene expression), emphasizing marine science applications. Corequisite: MSCI 5062. Prerequisites: Graduate standing; college level genetics, molecular biology, or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 206)

**MSCI 5080 Scientific Methods (4 units).**

Information and skills for graduate students beginning their research careers, such as the philosophy of science, scientific writing, design of experiments and sampling programs, and using library and other resources. Corequisite: MSCI 5082. Prerequisites: Graduate standing and consent of instructor. (Lecture, 3 hours; laboratory, 3 hours) (MLML 208)

**Description Change:****MSCI 5120 Advanced Topics in Marine Vertebrates (1-4 units).**

Advanced consideration of the ecology, physiology, and phylogeny of fishes, birds, reptiles or mammals, emphasizing current literature and research. Topics and emphasis will vary with term and instructor. May be repeated once for credit. (MLML 212) (Likely to be offered alternate fall semesters)

**Course Deletions:**

**MSCI 5220 Biology of the Mollusca (4 units).**

**MSCI 5440 Paleoceanography (4 units).**

**MSCI 5450 Deep-Sea Sedimentation (4 units).**

**New Courses:****MSCI 5460 Geology of the Monterey Bay Region (4 units).**

Geology, tectonic, and active naturally occurring processes in the Monterey Bay region and in the Monterey Bay National Marine Sanctuary. The geologic and tectonic history of central California, plate tectonic processes, and representative stratigraphy and geomorphology of the Monterey Bay region. Corequisite: MSCI 5462. Prerequisites: Graduate standing and consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 246)

**MSCI 5480 Marine Benthic Habitat Techniques (4 units).**

Collection and interpretation of geophysical data used to characterize marine benthic habitats. Basic geophysical principles will be reviewed. Application of techniques to identify and characterize marine benthic habitats, including echosounders, multibeam bathymetry and backscatter, sidescan sonar, seismic profiling, and GIS. Corequisite: MSCI 5482. Prerequisites: Graduate standing and consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 248)

**Description Changes:****MSCI 5620 Satellite Oceanography (4 units).**

Physical principles of remote sensing with application to the oceans including satellite image processing methods. Labs involve use of PC and Unix workstation. Corequisite: MSCI 5622. Prerequisites: MSCI 3420, 3440, or consent of instructor. MSCI 5630 strongly recommended. (Lecture, 2 hours; laboratory, 6 hours) (MLML 262) (Spring)

**MSCI 5630 Computer Applications in Oceanography (4 units).**

Lecture, discussion, and technical programming with MATLAB for computation and visualization with applications in marine sciences. Use of existing program libraries for data I/O and analysis. Corequisite: MSCI 5632. Prerequisites: College math and consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 263) (Fall)

**New Course:****MSCI 5730 Marine Environmental Studies of the Gulf of California (4 units).**

An analysis of Gulf of California marine environments. Lectures, readings, intensive field work, and writing a scientific paper based on original research. Topics vary. Taught with Mexican faculty and students from La Paz, Mexico. Students must be able to participate in two weeks of field work in June. Corequisite: MSCI 5732. Prerequisites: Graduate standing and consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 273) (Spring)

**Title and Prerequisite Change:****MSCI 5850 Graduate Seminar in Marine Science (2 units).**

(Formerly Graduate Seminar in Marine Biology) Seminar will be held on topics changing each semester. Each student will be required to give at least one seminar. May be repeated for credit. Prerequisites: Graduate standing and consent of instructor. (Fall/Spring)

**Course Deletions:****MSCI 5860 Graduate Seminar in Marine Geology (2 units).****MSCI 5870 Graduate Seminar in Oceanography (2 units).**

## Mathematics

### Course Deletions:

**MATH 0101 Pre-Algebra (3 units).**  
**MATH 0102 Elementary Algebra (3 units).**  
**MATH 0105 Intermediate Algebra (3 units).**

### New Courses:

**MATH 0103 Pre- and Beginning Algebra (4 units).**  
 Beginning algebra. This non-baccalaureate course uses methods and strategies that have been designed to enhance student success in the course. Transition from arithmetic to algebra; operations on real numbers and algebraic expressions; polynomials, rational expressions, square roots; solving elementary equations and word problems. Satisfactory completion of this course fulfills the prerequisite for MATH 0106 or MATH 0107. Credit earned does not count toward unit requirements for graduation, for general education, or for any major. Four lecture hours per week, utilizing directed learning activities. Prerequisite: ELM score between 0 and 360 taken prior to March 23, 2002, or ELM score between 0 and 32 taken March 23, 2002 or later. (Fall, Winter, Spring)

### **MATH 0106 Intermediate Algebra for Non-Science/Math (4 units).**

Intermediate algebra for non-science students. Uses methods and strategies that have been designed to enhance student success. Introduction to the basic properties of arithmetic, real numbers, variables, equations, algebraic expressions, functions, and their graphs. Includes evaluation of expressions and formulas; translation from words to symbols; solutions of linear equations and inequalities; absolute value; powers and roots; solving two linear equations in two unknowns; applications. Prerequisite: MATH 0103 or ELM score between 370 and 540, inclusive; or ELM score between 34 and 48, inclusive, or equivalent. Credit earned does not count toward unit requirements for graduation, for general education, or for any major. Four lecture hours per week, utilizing directed learning activities. Primarily for business, social science, humanities, fine arts, and undecided-major students. (Fall, Winter, Spring)

### **MATH 0107 Intermediate Algebra for Teaching (4 units).**

Intermediate algebra concepts for teaching. Uses methods and strategies that have been designed to enhance student success. Introduction to basic properties of arithmetic and algebra, real numbers, variables, and algebraic expressions. Includes evaluation of algebraic expressions and formulas; translation from words to symbols; solving elementary equations, inequalities, and word problems; geometric concepts; right triangles. Prerequisite: MATH 0103 or ELM score between 370 and 540, inclusive; or ELM score

between 34 and 48, inclusive, or equivalent. Credit earned does not count toward unit requirements for graduation, for general education, or for any major. Four lecture hours per week, utilizing directed learning activities. Primarily for students interested in K-8 teaching (liberal studies). (Fall, Winter, Spring)

### **MATH 0110 Intermediate Algebra for Math/Science (4 units).**

Intermediate algebra for math and science majors. Fundamental operations, laws, terminology, and notation of algebra; concepts of expression, set, variable, function, graph, equality, equations, and identity; drill with fractions, exponents, and radicals; linear and quadratic equations; systems of equations; introduction to logarithms; introduction to functions, including function notation, polynomial functions, rational functions, exponential, and logarithmic functions; introduction to conic sections. Prerequisite: MATH 0106 or 0107 or ELM score between 370 to 540, inclusive; or ELM score between 34 and 48 inclusive, or equivalent. Credit earned does not count toward unit requirements for graduation, for general education, or for any major. Four lecture hours per week, utilizing directed learning activities. Primarily for science, math, and technology-oriented students. (Fall, Spring)

## Modern Languages

### New Discipline and Courses:

#### **SLAN 1000 American Sign Language: Beginning Communication with the Deaf (3 units).**

Introduction to the American Manual Alphabet and American Sign Language. Designed to provide basic conversational skills in the language used among most deaf people in the United States.

#### **SLAN 2000 American Sign Language: Intermediate Communication with the Deaf (3 units).**

Continuation of Beginning American Sign Language with emphasis on communicating with and interpreting for the deaf through use of the American Manual Alphabet and American Sign Languages. Prerequisite: SLAN 1000 or consent of instructor.



## Nursing

The Department of Nursing offers the degree Bachelor of Science, Nursing. This program is accredited by the National League for Nursing (NLN) and the Commission on Collegiate Nursing Education (CCNE).

Also now offered, a full, four-year Bachelor of Science in Nursing, called the pre-licensure path, starting Fall 2002.

Prerequisites or equivalent for the pre-licensure path:

ENGL 1001 First-Year Composition, 3 units  
CHEM 1000 Chemistry in the Modern World, 3 units,  
*and*

CHEM 1002 Chemistry in the Modern World  
Laboratory, 1 unit

ZOOL 2230 Physiology, 3 units, *and*

ZOOL 2232 Physiology Laboratory, 1 unit

ZOOL 2250/2252 Human Anatomy and Lab, 4 units

CHEM 2070 Biochemistry or Organic Chemistry,  
3 units

ENGL 2000 Critical Inquiry, 3 units, *or*

PHIL 2000 Philosophical Inquiry, 3 units, *or*

PHIL 2100 Logic, 3 units

COMM 2000 Public Speaking, 3 units, *or*

COMM 2110 Group Discussion Processes, 3 units

MATH 1600 Statistics, 4 units

Bacteriology for Nursing course being developed for  
implementation in summer 2003.

Pre-Licensure Path Nursing Courses (64 units):

NURS 2800 Introduction to Nursing, 2 units

NURS 2820 Basic Skills in Nursing, 4 units

NURS 2840 Pharmacology & Nutrition, 3 units

NURS 3000/3002 Health Assessment/Lab, 3 units

NURS 1040 Human Development Over the Life  
Span, 3 units

NURS 2900 Adult Health Nursing I, 4 units

NURS 2910 Adult Health Nursing I Clinical, 3 units

NURS 3800 Pediatric Nursing, 3 units

NURS 3810 Pediatric Nursing Clinical, 2 units

NURS 3700 Introduction to Nursing Research,  
3 units

NURS 3820 Reproductive Health Nursing, 3 units

NURS 3830 Reproductive Health Nursing Clinical,  
2 units

NURS 3900 Mental Health Nursing, 3 units

NURS 3910 Mental Health Nursing Clinical, 2 units

NURS 4800 Adult Health Nursing II, 3 units

NURS 4810 Adult Health Nursing II Clinical, 3 units

NURS 3310/3312 Nursing Leadership and  
Management/Activity, 4 units

NURS 4010 Issues Facing the Profession, 3 units

NURS 4400 Community Health Nursing, 3 units

NURS 4410 Community Health Nursing Practicum,  
3 units

NURS 4210 Senior Clinical Nursing Practicum,  
3 units

NURS 4820 Pre-Licensure Seminar, 2 units

## New Courses:

### **NURS 2800 Introduction to Nursing (2 units)**

Introduction to the discipline of nursing including history, theories, values, and professional roles. The mission, philosophy, goals, and objectives of the CSU Stanislaus nursing program are included. Prerequisite: Admission to the Nursing major. (Fall)

### **NURS 2820 Basic Skills in Nursing (4 units)**

Prepares students to perform basic nursing skills based on mastery of core scientific principles. Prerequisite: Admission to the nursing major. (Fall)

### **NURS 2840 Pharmacology and Nutrition (3 units)**

An introduction to the basic principles of pharmacology and nutrition with a focus on pharmacokinetics, pharmacodynamics, and therapeutic implications for major drug categories as well as natural products. Emphasis also on nutritional health promotion as well as therapeutic nutrition related to selected illness states. Prerequisite: Admission to the nursing major or consent of instructor. (Fall)

### **NURS 2900 Adult Health Nursing I (4 units)**

Introduction to theory and research based nursing care of young, middle, and older adults. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses. Prerequisites: NURS 2800, NURS 2820, and NURS 2840. To be taken concurrently with NURS 2910. (Spring)

### **NURS 2910 Adult Health Nursing I Clinical (3 units)**

Clinical application of theory and research-based nursing care of young, middle, and older adults. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses in a variety of clinical settings. Prerequisite: To be taken concurrently with NURS 2900. (Spring)

### **NURS 3060 Cultural Variations in Nursing: A Comparison of Mexican and American Health Care (Study Abroad) (3 units)**

A short-term study abroad course that provides an examination of health care in Mexico, both contemporary and traditional. Cross-cultural comparisons will focus on health care in the United States and Mexico. Students can concurrently enroll in Spanish language immersion classes. (Winter)

### **NURS 3800 Pediatric Nursing (3 units)**

Introduction to theory and research-based nursing care of children and adolescents. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses. Prerequisite: NURS 2900 and NURS 2910 or consent of instructor. To be taken concurrently with NURS-3810. (Fall)

### **NURS 3810 Pediatric Nursing Clinical (2 units)**

Clinical application of theory and research-based nursing care of children and adolescents. Focus is on health promotion/disease prevention as well as the management of common acute and chronic illnesses in a variety of clinical settings. Prerequisite: NURS 2900 and NURS 2910 or consent of instructor. To be taken concurrently with NURS 3800. (Fall)

**NURS 3820 Reproductive Health Nursing (3 units).**

Introduction to theory and research-based nursing care of individuals and families related to reproductive/perinatal health. Focus is on health promotion/disease prevention as well as management of clients in the reproductive phase. Prerequisite: NURS 3800 and NURS 3810 or consent of instructor. To be taken concurrently with NURS 3830. (Spring)

**NURS 3830 Reproductive Health Nursing Clinical (2 units).**

Clinical application of theory and research-based reproductive health nursing care of individuals and families. Major focus is on the provision of perinatal nursing care in a variety of clinical settings. Prerequisites: NURS 3800 and 3810 or consent of instructor. To be taken concurrently with NURS 3820. (Spring)

**NURS 3900 Mental Health Nursing (3 units).**

Introduction to mental health nursing and therapeutic communication in nursing. Focus is on health promotion/disease prevention as well as the management of common acute and chronic mental health problems with individuals and families. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3910. (Summer)

**NURS 3910 Mental Health Nursing Clinical (2 units).**

Clinical application of theory and research-based mental health nursing care of individuals and families. Focus is on health promotion/disease prevention as well as the management of common acute and chronic mental health problems in a variety of clinical settings. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3900. (Summer)

**Course Description Change:****NURS 4400 Community Health Nursing (3 units).**

(Formerly, NURS 3400) Theory and principles applied to the nursing role in the promotion of health and prevention of disease. Analysis of problems related to health and delivery of care at various levels: total population, as well as individuals, families, and groups. Prerequisites: NURS 3000, 3100, 3310, 3600. Concurrent enrollment in NURS 4410 recommended. (Fall, Spring)

**New Courses:****NURS 4800 Adult Health Nursing II (3 units).**

Advanced study of theory and research-based nursing care of young, middle, and older adults. Focus is on the management of complex acute and chronic illnesses and end of life processes. Prerequisites: NURS 2900, NURS 2910, NURS 3900, NURS 3910, or consent of instructor. To be taken concurrently with NURS 4810. (Fall)

**NURS 4810 Adult Health Nursing II Clinical (3 units).**

Advanced clinical application of theory and research-based nursing care of young, middle, and older adults. Focus is on management of complex adult health illnesses in a variety of clinical settings. Prerequisites: NURS 2900, NURS 2910, NURS 3900, NURS 3910, or consent of instructor. To be taken concurrently with NURS 4800. (Fall)

**NURS 4820 Pre-Licensure Seminar (2 units).**

Seminar for pre-licensure seniors in their last semester. Focus is on preparing students for successful transition into professional practice. Prerequisite: Completion of or concurrent enrollment in all required nursing courses. (Summer)

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**Philosophy****Description Change:****PHIL 2100 Logic (3 units).**

Analysis of the methods and principles of deductive reasoning, including traditional logic; introduction to symbolic logic and to principles of inductive reasoning. Satisfies G.E. area A3. Prerequisite: ENGL 1000 or equivalent. (CAN PHIL 6)

**New Course:****PHIL 4350 Human Interests and the Power of Information (3 units)**

Reflective, critical analysis of connections between the pursuit of information and the broader context of human interests and purposes served by information, including how social influences shape our pursuit of information, and how information relates to factual belief and knowledge. Satisfies G.E. area F2. One of three cluster courses in the G.E. Summit Program (Humans in the Information Age). Prerequisite: Consent of Summit Program Coordinator.

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**Physics****New Course:****PHYS 4750 Physics of Perception (3 units).**

Covers the nature of scientific inquiry, and the physics of sound and light and how they affect sight and hearing and our perception of the world around us. Satisfies G.E. area F1. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). Corequisite: PHYS 4753. Prerequisite: Consent of Summit Program Coordinator. (Lecture, 2 hours; activity, 2 hours)

## Political Science

### Description Change:

#### **PSCI 3055 Marx on the Human Condition (3 units).**

Examines Marx's unique and controversial contributions as one of the most important political thinkers of the modern era. Concludes with a consideration of relevance of Marx's thought in the era of globalization. Satisfies G.E. area F3.

#### **PSCI 3810 Multicultural Community Bldg (3 units).**

Combines information about ethnic immigrants and indigenous people of the United States with emphasis upon skill acquisition in relating multiculturally. Community building/conflict resolution skills emphasized. Satisfies G.E. area G. Meets multicultural requirement for Subject Matter Preparation Programs in Single and Multiple Subjects.

### New Course:

#### **PSCI 4050 Big Arguments (4 units).**

Examines four traditions of political thought that often shape everyday disagreements about politics: liberalism, socialism, nationalism, and what might be called the politics of personal identity. Satisfies G.E. area F3.

#### **PSCI 4055 Money and Power: The Roots of Political Conflict and Political Authority (4 units).**

Examines two of the most fundamental aspects of political power: the social distribution of resources and the nature of political beliefs or ideas.

#### **PSCI 4316 Teaching Democracy in Classroom (3 units).**

Concepts of democracy and citizenship are introduced. Pedagogy for introducing concepts to children through age appropriate exercises will be covered within the State Frameworks for the Social Sciences.

## Psychology

The following changes to the Bachelor of Arts, the Concentration in Developmental Psychology, the Concentration in Experimental Psychology, the Degree Minor, and the Liberal Studies Psychology Concentration, replaces information on page 240 through 242 in the 2001-2003 Catalog.

### Bachelor of Arts, Psychology

The major program is designed for those who (1) wish to extend their education in the liberal arts with an emphasis on psychology, (2) plan to enter a profession or occupation in which a strong background in psychology is necessary, or (3) wish to prepare for graduate work in psychology.

### Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. **Foundations of Psychology:** Receive a passing letter grade or credit in *all* of the following prerequisites to the major (10 units):

PSYC 2010 Introduction to Psychology, 3 units, *or* equivalent

PSYC 2020 Introduction to Psychological Methods, 3 units, *or* equivalent

MATH 1600 Statistics, 4 units, *or* equivalent

*Note: Students are advised to complete these courses as soon as possible since they are prerequisites to many upper-division psychology courses.*

3. **Social Sciences:** Receive a passing letter grade or credit in any *one* of the following courses in supporting fields (3 or 4 units):

ANTH 2060 Introduction to Cultural

Anthropology, 3 units, *or* equivalent

COGS 2100 Introduction to Cognitive Studies, 3 units, *or* equivalent

COMM 2011 Approaches to Human Communication, 4 units, *or* equivalent

SOCL 1010 Introduction to Sociology, 3 units, *or* equivalent

4. **Biological Sciences:** Receive a passing letter grade or credit in *either* of the following courses or course combinations in supporting fields (4 units):

BIOL 1010 Principles of Biology, 3 units, *or* equivalent; *and*

BIOL 1020-1029 Special Laboratory Studies, 1 unit *or* equivalent

ZOOL 1050 Introduction to Zoology, 4 units, *or* equivalent

5. Complete the major of at least 33 upper-division units, as described below and approved by the major adviser.

6. A passing letter grade is a D- or higher.

7. Students normally complete the writing proficiency (WP) requirement through enrollment in a 4000 level research seminar. Students must take the writing proficiency screening test (WPST) before they can enroll in any WP course.

8. No minor or concentration is required.

9. Students seeking an exemption from any of the requirements listed in this section should consult with their major advisers and file a petition with the chair of the Psychology Department.

### The Major (33 units minimum)

1. **Experimental Methods and Design:** Receive a passing letter grade in PSYC 3000 Experimental Methods and Design, 4 units, *and* a credit in PSYC 3002 Experimental Methods and Design laboratory, 0 units. PSYC 3002 must be taken in conjunction with PSYC 3000.

*Note: Students are advised to take PSYC 3000 immediately after completing PSYC 2020 and MATH 1600.*

2. **Fundamentals of Psychology:** Receive a passing grade in *one* of the following courses (3 units):

PSYC 3400 Introduction to Perception, 3 units

PSYC 3700 Introduction to Learning and Motivation, 3 units

PSYC 4400 Cognitive Processes, 3 units

3. **Biological Bases of Psychology:** Receive a passing letter grade in *one* of the following courses (3 units):

PSYC 3090 Comparative Animal Behavior, 3 units

PSYC 3100 Introduction to Physiological Psychology, 3 units

PSYC 4110 Behavior Genetics, 3 units  
 PSYC 4720 Experimental Analysis of Behavior,  
 3 units

**4. Principles of Human Behavior:** Receive a passing letter grade in **one** of the following courses (3 units):

PSYC/CDEV 3140 Human Development I:  
 Childhood, 3 units  
 PSYC/CDEV 3240 Human Development II:  
 Adolescence, 3 units

PSYC 3310 Introduction to Social Psychology,  
 3 units

PSYC 3320 Introduction to Personality, 3 units

PSYC/CDEV 3340 Human Development III:  
 Adulthood and Aging, 3 units

PSYC 4810 Intimate Relationships (WP), 3 units

**5. Foundations of Applied Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):

PSYC 3160 Introduction to Psychological  
 Testing, 3 units

PSYC 3350 Introduction to the Study of  
 Abnormal Behavior, 3 units

PSYC 3790 Introduction to Counseling Theory,  
 3 units

PSYC 4820 Group Dynamics: Theory and  
 Application, 3 units

**6. Research Seminars:** Receive a passing letter grade in **two** of the following courses (5 units). At least **one** of these courses must be at the 4000 level:

PSYC 3405 Research Seminar in the  
 Psychology of Perception, 2 units

PSYC 3610 Applied Behavior Analysis  
 Research Seminar, 2 units

PSYC 3705 Research Seminar in Human  
 Learning, 2 units

PSYC 3800 Experimental Psychology Research  
 Seminar, 2 units

PSYC 4102 Research Seminar in Neuroscience  
 (WP), 3 units

PSYC 4120 Human Development Research  
 Seminar (WP), 3 units

PSYC 4310 Research Seminar in Social  
 Psychology (WP), 3 units

PSYC 4410 Research Seminar in Cognitive  
 Psychology (WP), 3 units

PSYC 4725 Experimental Analysis of Behavior  
 Research Seminar (WP), 3 units

**7. Capstone Course:** Receive a passing letter grade in **one** of the following courses (3 units):

PSYC 4020 History of Psychology, 3 units

PSYC 4900 Advanced General Psychology,  
 3 units

*Note: Students who are planning to apply for graduate study in psychology are advised to take one of these courses immediately before they take the psychology GRE exam. All other students are advised to take one of these courses any time after they become seniors.*

**8. Electives:** Receive passing grades for a minimum of 9 additional units in any upper-division psychology course not already taken to satisfy one of the above requirements. Any psychology courses numbered 3000 or higher may be taken, whether or not they are listed in Sections 2-7 above, subject to the following restrictions:

a. Field work, internships, and cooperative education may together contribute no more than 3 units toward this requirement.

b. Courses must be taken for a letter grade if letter grading is offered. Courses may be taken on a CR/NC basis only if letter grading is not offered.

c. No more than 6 units of credit-graded courses can be applied toward this requirement.

**9.** A passing letter grade is a D- or higher. A student must complete all units attempted in the Psychology major with a 2.0 (C) or better.

**10.** Students who have completed all of the requirements listed above may take additional courses either for a letter grade or a CR/NC basis.

**Concentration in Developmental Psychology**

Students majoring in Psychology need not select a concentration. However, the concentration in Developmental Psychology provides students with the opportunity to study human developmental processes from a psychological perspective. The concentration prepares students considering careers in child development centers, child welfare clinics, and related agencies. Moreover, it provides the academic background for those planning graduate work in Developmental Psychology and related fields. In addition to a firm grounding in basic psychology, the concentration extends psychological principles to various aspects of human development.

**Developmental Psychology Concentration Requirements (42 units minimum)**

**1.** Complete all requirements listed in the preceding "Requirements" section.

**2. Experimental Methods and Design:** Receive a passing letter grade in PSYC 3000 Experimental Methods and Design, 4 units, **and** a credit in PSYC 3002 Experimental Methods and Design Laboratory, 0 units. (PSYC 3002 must be taken in conjunction with PSYC 3000).

*Note: Students are advised to take PSYC 3000 immediately after completing PSYC 2020 and MATH 1660.*

**3. Human Development:** Receive a passing letter grade in **both** of the following courses (6 units):

PSYC/CDEV 3140 Human Development I:  
 Childhood, 3 units

PSYC 4120 Human Development Research  
 Laboratory, 3 units

**4. Fundamentals of Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):

PSYC 3400 Introduction to Perception, 3 units

PSYC 3700 Introduction to Learning and  
 Motivation, 3 units

PSYC 4400 Cognitive Processes, 3 units

**5. Biological Bases of Psychology:** Receive a passing grade in **one** of the following courses (3 units):

PSYC 3090 Comparative Animal Behavior,  
 3 units

PSYC 3100 Introduction to Physiological  
 Psychology, 4 units

PSYC 4110 Behavior Genetics, 3 units

PSYC 4720 Experimental Analysis of Behavior,  
 3 units

**6. Foundations of Applied Psychology:** Receive a passing grade in **one** of the following courses (3 units):

- PSYC 3160 Introduction to Psychological Testing, 3 units
- PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
- PSYC 3790 Introduction to Counseling Theory, 3 units
- PSYC 4820 Group Dynamics: Theory and Application, 3 units

**7. Research Seminars:** Receive a passing grade in **one** of the following courses (2-3 units):

- PSYC 3405 Research Seminar in the Psychology of Perception, 2 units
- PSYC 3610 Applied Behavior Analysis Research Seminar, 2 units
- PSYC 3705 Research Seminar in Human Learning, 2 units
- PSYC 3800 Experimental Psychology Research Seminar, 2 units
- PSYC 4102 Research Seminar in Neuroscience (WP), 3 units
- PSYC 4120 Human Development Research Seminar (WP), 3 units
- PSYC 4310 Research Seminar in Social Psychology (WP), 3 units
- PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units
- PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP), 3 units

**8. Capstone Course:** Receive a passing letter grade in **one** of the following courses (3 units):

- PSYC 4020 History of Psychology, 3 units
- PSYC 4900 Advanced General Psychology, 3 units

**Note:** Students who are planning to apply for graduate study in psychology are advised to take PSYC 4020 immediately before they take the psychology GRE exam. All other students are advised to take PSYC 4020 any time after they become seniors.

**9. Human Developmental Electives:** Receive a passing letter grade in **three** of the following courses (9 units):

- PSYC 3160 Introduction to Psychological Testing, 3 units
- CDEV 3170 Early Cognitive Development, 3 units
- CDEV 3180 Early Social and Emotional Development, 3 units
- PSYC 3240 Human Development II: Adolescence, 3 units
- CDEV 3320 Infant Development and Group Care, 3 units
- PSYC 3340 Human Development III: Adulthood and Aging, 3 units
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4130 Psychological Disorders of Children, 3 units
- PSYC 4150 Learning Disabilities, 3 units

**Note:** Courses cannot be used to satisfy both this requirement and any of the preceding requirements; double-counting is not allowed.

**10. Psychology Electives:** Receive passing grades for a minimum of 9 additional units in any upper-division psychology course not already taken to satisfy one of the above requirements. Any psychology courses numbered 3000 or higher may be taken, whether or not they are listed in Sections 2-9 above, subject to the following restrictions:

- a. Field work, internships, and cooperative education may together contribute no more than 6 units toward this requirement.
- b. Courses must be taken for a letter grade if letter grading is offered. Courses may be taken on a CR/NC basis only if letter grading is not offered.
- c. No more than 6 units of credit-graded courses can be applied toward this requirement.

**11:** A passing letter grade is D- or higher. A student must complete with a 2.0 (C) grade point average or better in all courses required for the Developmental Psychology Concentration.

**12:** Students who have completed all of the requirements listed above may take additional courses either for a letter grade or a CR/NC basis.

**Concentration in Experimental Psychology**

Students majoring in Psychology need not select a concentration. However, the concentration in Experimental Psychology is tailored for the undergraduate psychology major who intends to pursue graduate training in the area of experimental or clinical psychology. It provides a strong background in the areas of statistics and experimental methodology, which are two areas required for admission by psychology graduate schools. In addition to methodology, the student is exposed to a great breadth of content areas in the field of experimental psychology than is required by the major. Finally, the student is provided with technical skills that greatly enhance the ability to conduct independent research, a requirement of all graduate programs.

**Experimental Psychology Concentration Requirements (42 units minimum)**

1. Complete all requirements listed in the preceding "Requirements" section.
2. **Experimental Methods and Design:** Receive a passing letter grade in PSYC 3000 Experimental Methods and Design, 4 units, **and** a credit in PSYC 3002 Experimental Methods and Design Laboratory, 0 units. PSYC 3002 must be taken in conjunction with PSYC 3000.

**Note:** Students are advised to take PSYC 3000 immediately after completing PSYC 2020 and MATH 1600.

3. **Fundamentals of Psychology:** Receive a passing letter grade in **two** of the following courses (6 units):
  - PSYC 3400 Introduction to Perception, 3 units
  - PSYC 3700 Introduction to Learning and Motivation, 3 units
  - PSYC 4400 Cognitive Processes, 3 units
4. **Biological Bases of Psychology:** Receive a passing letter grade in **two** of the following courses (6 units):
  - PSYC 3090 Comparative Animal Behavior, 3 units
  - PSYC 3100 Introduction to Physiological Psychology, 4 units
  - PSYC 4110 Behavior Genetics, 3 units
  - PSYC 4720 Experimental Analysis of Behavior, 3 units

**5. Principles of Human Behavior:** Receive a passing letter grade in **one** of the following courses (3 units):

- PSYC/CDEV 3140 Human Development I: Childhood, 3 units
- PSYC/CDEV 3240 Human Development II: Adolescence, 3 units
- PSYC 3310 Introduction to Social Psychology, 3 units
- PSYC 3320 Introduction to Personality, 3 units
- PSYC/CDEV 3340 Human Development III: Adulthood and Aging, 3 units
- PSYC 4810 Intimate Relationships (WP), 3 units

**6. Foundations of Applied Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):

- PSYC 3160 Introduction to Psychological Testing, 3 units
- PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
- PSYC 3790 Introduction to Counseling Theory, 3 units
- PSYC 4820 Group Dynamics: Theory and Application, 3 units

**7. Research Seminars:** Receive a passing letter grade in **two** of the following courses (5 units). At least **one** of these courses must be at the 4000 level:

- PSYC 3405 Research Seminar in the Psychology of Perception, 2 units
- PSYC 3610 Applied Behavior Analysis Research Seminar, 2 units
- PSYC 3705 Research Seminar in Human Learning, 2 units
- PSYC 3800 Experimental Psychology Research Seminar, 2 units
- PSYC 4102 Research Seminar in Neuroscience (WP), 3 units
- PSYC 4120 Human Development Research Seminar (WP), 3 units
- PSYC 4310 Research Seminar in Social Psychology (WP), 3 units
- PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units
- PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP), 3 units

**8. Capstone Course:** Receive a passing letter grade in the following course (3 units):

- PSYC 4020 History of Psychology, 3 units

*Note: Students who are planning to apply for graduate study in psychology are advised to take PSYC 4020 immediately before they take the psychology GRE exam. All other students are advised to take it any time after they become seniors.*

**9. Electives:** Receive a passing letter grade in **three** of the following courses (9 units):

- PSYC 3090 Comparative Animal Behavior, 3 units
- PSYC 3100 Introduction to Physiological Psychology, 4 units
- PSYC/CDEV 3140 Human Development I: Childhood, 3 units
- PSYC 3310 Introduction to Social Psychology, 3 units

- PSYC 3400 Introduction to Perception, 3 units
- PSYC 3700 Introduction to Learning and Motivation, 3 units
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4400 Cognitive Processes, 3 units
- PSYC 4720 Experimental Analysis of Behavior, 3 units

*Note: Courses cannot be used to satisfy both this requirement and any of the preceding requirements; double-counting is not allowed.*

**10. Senior Thesis:** Receive a passing letter grade in PSYC 4990 Senior Thesis (3 units), **or** a passing letter grade in two **additional** research seminars listed in No. 7 of this section (6 units), not already taken to satisfy the No. 7 requirement.

**11.** A passing letter grade is a D- or higher. A student must complete with a 2.0 (C) grade point average or better in all courses required for the Experimental Psychology Concentration.

**12.** Students who have completed all of the requirements listed above may take additional courses either for a letter grade on a CR/NC basis.

### Degree Minor

#### Requirements (18 units)

**1. Foundations of Psychology:** Receive a passing letter grade or Credit in **both** of the following courses (6 units):

- PSYC 2010 Introduction to Psychology, 3 units, **or** equivalent
- PSYC 2020 Introduction to Psychological Methods, 3 units, **or** equivalent

**2. Fundamentals of Psychology:** Receive a passing grade in **one** of the following courses (3 units):

- PSYC 3400 Introduction to Perception, 3 units
- PSYC 3700 Introduction to Learning and Motivation, 3 units
- PSYC 4400 Cognitive Processes, 3 units

**3. Biological Bases of Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):

- PSYC 3090 Comparative Animal Behavior, 3 units
- PSYC 3100 Introduction to Physiological Psychology, 3 units
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4720 Experimental Analysis of Behavior, 3 units

**4. Principles of Human Behavior:** Receive a passing letter grade in **one** of the following courses (3 units):

- PSYC/CDEV 3140 Human Development I: Childhood, 3 units
- PSYC/CDEV 3240 Human Development II: Adolescence, 3 units
- PSYC 3310 Introduction to Social Psychology, 3 units
- PSYC 3320 Introduction to Personality, 3 units
- PSYC/CDEV 3340 Human Development III: Adulthood and Aging, 3 units
- PSYC 4810 Intimate Relationships (WP), 3 units

5. **Foundations of Applied Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):

PSYC 3160 Introduction to Psychological Testing, 3 units  
 PSYC 3350 Introduction to Study of Abnormal Behavior, 3 units  
 PSYC 3790 Introduction to Counseling Theory, 3 units  
 PSYC 4820 Group Dynamics: Theory and Application, 3 units

6. No more than 3 units may be taken on a CR/NC basis.  
 7. A passing letter grade is a D- or higher.  
 8. Students who have completed all of the requirements listed above may take additional courses either for a letter grade or on a CR/NC basis.

#### Liberal Studies Concentration

All Liberal Studies majors are required to receive a passing grade in PSYC 2010 *Introduction to Psychology*, or equivalent (3 units). Additional requirements specific to the Liberal Studies Psychology concentration are listed below.

#### Liberal Studies Concentration Requirements (18 units minimum)

1. Receive a passing letter grade or credit in PSYC 2020 *Introduction to Psychological Methods*, or equivalent (3 units).
2. **Fundamentals of Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):  
 PSYC 3400 Introduction to Perception, 3 units  
 PSYC 3700 Introduction to Learning and Motivation, 3 units  
 PSYC 4400 Cognitive Processes, 3 units
3. **Biological Basis of Psychology:** Receive a passing letter grade in **one** of the following courses (3 units):  
 PSYC 3090 Comparative Animal Behavior, 3 units  
 PSYC 3100 Introduction to Physiological Psychology, 3 units  
 PSYC 4110 Behavior Genetics, 3 units  
 PSYC 4720 Experimental Analysis of Behavior, 3 units
4. **Principles of Human Behavior:** Receive a passing letter grade or credit in **one** of the following courses (3 units):  
 PSYC/CDEV 3140 Human Development I: Childhood, 3 units  
 PSYC/CDEV 3240 Human Development II: Adolescence, 3 units  
 PSYC 3010 Introduction to Social Psychology, 3 units  
 PSYC 3320 Introduction to Personality, 3 units  
 PSYC/CDEV 3340 Human Development III: Adulthood and Aging, 3 units  
 PSYC 4810 Intimate Relationships (WP), 3 units

5. **Foundations of Applied Psychology:** Receive a passing letter grade or credit in **one** of the following courses (3 units):

PSYC 3160 Introduction to Psychological Testing, 3 units  
 PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units  
 PSYC 3790 Introduction to Counseling Theory, 3 units  
 PSYC 4820 Group Dynamics: Theory and Application, 3 units

6. Receive a passing letter grade or credit for a minimum of 3 additional units in any upper-division psychology course not already taken to satisfy another requirement (3 units minimum).  
 7. No more than 3 units may be taken on a CR/NC basis.  
 8. Students who have completed all of the requirements listed above may take additional courses either for a letter grade or on a CR/NC basis.

#### Deactivated Courses:

**PSYC 3080 Comparative Animal Behavior Laboratory, 1 unit**

**PSYC 3102 Introduction to Physiological Psychology Laboratory, 1 unit**

**PSYC 3120 Human Development Research Laboratory, 1 unit**

**PSYC 3302 Personality and Social Psychology Laboratory, 1 unit**

**PSYC 3410 Perception Laboratory, 1 unit**

**PSYC 3710 Learning and Motivation Laboratory, 1 unit**

**PSYC 4722 Experimental Analysis of Behavior Laboratory, 1 unit**

#### New Courses:

**PSYC 3405 Research Seminar in the Psychology of Perception (2 units)**

Examines research methods used in the psychology of perception. Students design and conduct an original study. Prerequisites: PSYC 2020 and completion of PSYC 3400, or PSYC 3100, or PSYC 4400, or consent of instructor.

**PSYC 3610 Applied Behavior Analysis Research Seminar (2 units)**

Examines single-subject research methods from applied behavior analysis with a range of clinical problems and client populations. Teaches students about the scientist-practitioner model including a functional analysis of behavior problems and empirically validated treatment plans. Students design and conduct an original study in an applied setting that may include special populations such as developmentally disabled or autistic populations. Prerequisites: Completion of PSYC 2020 and one of the following: PSYC 3140, 3700, 4130, or 4150.

**PSYC 3705 Research Seminar in Human Learning (2 units).**

Examines various research issues in human operant learning. Students will read primary research articles on a topic from journals reporting studies in human operant learning and participate in the design of an original experiment to address a research question related to that topic. They will collect experimental data from human subjects, analyze these data and present them in a research report. Prerequisites: Concurrent enrollment in or prior completion of PSYC 3700 or PSYC 4790 and prior completion of PSYC 2020.

**PSYC 3800 Experimental Psychology Research Seminar (2 units)**

Examines experimental design and other research methods commonly used to gain better understanding of human perception, cognition, and behavior. Students design and conduct an original study. Prerequisites: Completion of PSYC 2020 and one of the following: PSYC 3140, 3310, 3400, 4400, or 4440.

**PSYC 4102 Research Seminar in Neuroscience (WP) (3 units).**

Examines research methods used in neuroscience. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4103. Prerequisites: PSYC 3000 and completion of PSYC 3100 or consent of instructor.

**PSYC 4120 Human Development Research Seminar (WP) (3 units).**

Examines methods and design used in human development research. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4123. Prerequisites: PSYC 3000, and prior enrollment in either PSYC/CDEV 3140 or PSYC/CDEV 3240 or PSYC/CDEV 3340 or consent of instructor.

**PSYC 4310 Research Seminar in Social Psychology (WP) (3 units).**

Examines research methods used in Social Psychology. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4313. Prerequisites: PSYC 3000 and completion of either PSYC 3310 or PSYC 4810 or PSYC 4820 or consent of instructor.

**PSYC 4410 Research Seminar in Cognitive Psychology (WP) (3 units).**

Examines research methods used in cognitive psychology. Students design and conduct an original study. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4413. Prerequisites: PSYC 3000 and completion of either PSYC 4400 or PSYC 3400 or consent of instructor.

**PSYC 4440 Psychology of Workplace Performance (3 units).**

(Formerly COGS 3200; same as COGS 4440) The human/machine interface provides the domain for human factors research and applications. The interaction between individual cognitive abilities and machines is a critical concern in the design and development of new technologies. Provides the basic skills needed to optimize human performance.

**New Crosslisting:****PSYC 4550 Practicum with Exceptional Children (3 units).**

(Same as EDSE 4550) Acquisition and application of direct instruction teaching strategies. Students will work in small groups with children who have been identified as functioning below grade level in reading or math. Emphasis is on learning generalized direct instruction skills. Prerequisite: Consent of instructor.

**New Course:****PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP) (3 units).**

Examines various research issues in the Experimental Analysis of Behavior. Students will read primary research articles on a topic from the experimental analysis of behavior and participate in the design of an original experiment to address a research question related to that topic. They will collect experimental data, analyze these data, and present the data in a research report. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4726. Prerequisites: Completion of PSYC 3000 and concurrent enrollment in or prior completion of PSYC 4720. PSYC 3700 or PSYC 4790 may replace PSYC 4720 with instructor permission.

**WP Status Removed:****PSYC 4820 Group Dynamics: Theory (3 units).**

(Formerly Group Dynamics and Interpersonal Behavior) Review of the factors that shape and influence interpersonal behavior in small groups. Interventions for improving group leadership and decision making will be examined. Prerequisite: PSYC 3310 or consent of instructor.

**New Courses:****PSYC 4850 Stereotyping and Prejudice (3 units).**

In-depth examination of theory and research on the causes and consequences of stereotypes and prejudice. Students learn to critically evaluate the issues and research in the prejudice literature through extensive class discussions and structured debates. Prerequisite: PSYC 3310 or consent of instructor.

**PSYC 4995 Seminar in Psychopharmacology (2 units).**

Familiarizes students with basic terminology and models of psychopharmacology. An overview of clinical syndromes is provided, with a focus on medications typically prescribed, their properties, effectiveness, and side effects.



## Social Work

### New Course:

#### **SW 5057 International Social Work (3 units).**

Students will learn to appreciate service models of other cultures, analyze issues of social and economic justice, and recognize strengths of other cultures. Admission in the Cuernavaca Program in Mexico required. Prerequisite: Graduate Social Work student or consent of instructor. (Winter)

## Sociology

**Concentration change in the Sociology Major (updates Number d i. and ii. on page 261 of the 2001-2003 Catalog):**

### **d. Social Deviance and Criminology (21-22 units)**

SOCL 8120 Criminology, 3 units  
 SOCL 3310 Social Stratification, 3 units  
 SOCL 3200 Social Change, 3 units

#### **Select four courses from the following:**

SOCL 3130 Juvenile Delinquency, 3 units  
 SOCL 3240 Social Deviance, 3 units  
 SOCL 3630 Tenderloin Lifestyles, 3 units  
 SOCL 4170 Victimology, 3 units  
 SOCL 4190 Treatment of the Offender, 3 units  
 SOCL 4920 Nutrition and Criminal Behavior, 4 units

## World History

### New Minor:

The new World History minor is designed to provide support and assistance to students who wish to specialize in world history and to provide a coherent academic program which is well integrated with other disciplines and departments.

### The Minor in World History

#### Requirements (18 units)

##### Lower-Division (6 units)

HIST 1010 World Civilizations I, 3 units  
 HIST 1020 World Civilizations II, 3 units

*Note: Equivalent courses at many junior colleges may satisfy these requirements, but they must be world, not western, civilization courses.*

##### Upper-Division

#### I. Global - Comparative

##### a. Two of the following (6 units):

HIST 3090 Contemporary World History, 3 units  
 HIST 3400 The Great Teachings, 3 units  
 (HIST 3090 and 3400 also fulfill university multicultural requirement)

HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units

HIST 4730 Disease and World Societies, 3 units

#### b. One of the following may be substituted for one class above:

HIST 3120 Ancient Mediterranean World, 3 units  
 HIST 4440 Western Science and Society Since Copernicus, 3 units

HIST 4510 The United States and Latin America, 3 units

HIST 4720 Comparative Modern Atlantic Slavery, 3 units

HIST 4850 China and United States, 3 units

#### II. Area Studies

##### a. Any two of the following (6 units):

HIST 3230 Nineteenth Century Europe, 3 units

HIST 3240 Twentieth Century Europe, 3 units

HIST 3510 Colonial Latin America, 3 units

HIST 3520 Modern Latin America, 3 units

HIST 3720 United States Ethnic and Immigrant Past, 3 units

HIST 3730 Afro American History, 3 units

HIST 3800 East Asia in Traditional Times, 3 units

HIST 3810 East Asia in the Modern World, 3 units

HIST 3860 Africa Before 1885, 3 units

HIST 3880 Contemporary Africa, 3 units

HIST 3900 Arab/Islamic Civilization: Origins to the Present, 3 units

HIST 4500 History of Mexico, 3 units

HIST 4210 European Intellectual History: Renaissance to the Present, 3 units

HIST 4710 Mexican American History, 3 units

# School of Fine and Performing Arts

**Office:** Drama Building 13  
(209) 667-3876  
(209) 667-3875 ARTSPhone

**Director:** Dr. James M. Klein

**Staff:** Danielle DuBay  
Coordinator

## Art

### New Course:

#### **ART 3030 Intermediate Drawing (3 units).**

For Liberal Studies and transfer students. Studio experience using diverse methodologies targeted towards development of a personal language of drawing; that is expressive, formally coherent, and meaningful. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

## Music

The following replaces Department Requirements number 4 on page 274-275 of the 2001-2003 University Catalog:

4. Music majors and minors are required to attend departmental recitals and concerts as announced at the beginning of each semester. During each semester of applied studies, all music majors and minors are required to enroll in Directed Listening (MUS 2880/4880). Majors must earn at least 8 semesters of credit in Directed Listening in order to graduate. Music minors are required to register for a minimum of four semesters of Directed Listening (MUS 2880/4880). Transfer students will be evaluated upon entry into the Music program for Directed Listening requirements.

The following updates the "Bachelor of Arts, Music" section on page 277 of the 2001-2003 University Catalog:

### **Bachelor of Arts, Music**

The Bachelor of Arts in Music provides a humanistic approach to the study of music as a significant part of human tradition and culture. As a liberal arts curriculum, the Bachelor of Arts is not intended as vocational preparation, although many career opportunities are open to students with such a background.

### Requirements

1. Complete a minimum of 120 units including the University general requirements for a Bachelor's degree.
2. Complete the following prerequisites to the major (16 units):  
MUS 1220, 1230 Theory I, II, 6 units  
MUS 1320, 1330 Eartraining and Sight-singing I, II, 2 units  
MUS 2000 Music of World Cultures, 3 units  
MUS 2150 Introduction to Music Technology and Computers in Music, 1 unit  
MUS 1610, 1640, or 1670 Freshman Level applied study, 2 units to be completed in consecutive semesters as directed by the major adviser.  
An additional 2 units from any of the following:  
MUS 1600/2600 Basic/Intermediate Class Piano, 1 unit each  
MUS 1620/2620 Basic/Intermediate Class Guitar, 1 unit each  
MUS 1630/2630 Basic/Intermediate Class Voice, 1 unit each  
MUS 1610, 1640, or 1670 Freshman Level applied study, 1 unit each  
MUS 2610, 2640, or 2670 Sophomore Level applied study, 1 unit each  
MUS 3650, 3660 String Technique I, II, 1 unit each  
MUS 3680 Instrumental Techniques, 1 unit each
3. Completion of a minor is not required.

### The Major (24 units minimum)

1. Complete the following courses (10 units minimum):  
MUS 3100 Music History and Literature II, 3 units  
MUS 3200 Music History and Literature III, 3 units  
**A total of 4 units from any of the following:**  
MUS 4400, 4410, or 4440 Major Group Performance, 1 unit  
MUS 4430 University Chamber Singers, 1 unit  
MUS 4480 Jazz Ensemble, 1 unit  
MUS 4490 Vocal Ensemble, 1 unit  
MUS 4500 Instrumental Chamber Ensemble, 1 unit
2. Under the direction of the major adviser, complete 14 units of study from the following:

**General Music Emphasis**

MUS 3400 American Music, 3 units, *or*  
 MUS 3410 History of Jazz, 3 units  
 Electives as approved by adviser, 11 units  
 (at least 6 units must be upper-division)

University General Requirements	51 units
Required Prerequisites	16 units
Major	10 units
Area Emphasis	14 units
Electives to meet University Unit Minimum	29 units
<b>Total Required Units</b>	<b>120 units</b>

The following updates the Minor on page 277-278 of the 2001-2003 University Catalog):

**The Minor - Requirements (24 units)**

- Complete 15 units of lower-division course work:
  - MUS 1000 Introduction to Music, 3 units
  - MUS 1220, 1230 Theory I, II, 6 units
  - MUS 1320, 1330 Eartraining and Sight-singing I, II, 2 units

*Under the direction of the minor adviser, complete 2 units from any of the following:*

  - MUS 1600/2600 Basic/Intermediate Class Piano, 1 unit each
  - MUS 1610, 1640, or 1670 Freshman Level applied study, 1 unit each
  - MUS 1620/2620 Basic/Intermediate Class Guitar, 1 unit each
  - MUS 1630/2630 Basic/Intermediate Class Voice, 1 unit each
  - MUS 2610, 2640, or 2670 Sophomore Level applied study, 1 unit each
  - MUS 3650, 3660 String Technique I, II, 1 unit each
  - MUS 3680 Instrumental Techniques, 1 unit

*Under the direction of the minor adviser, complete 2 units from any of the following:*

  - MUS 2400, 2410, or 2440 Major Group Performance, 1 unit each
  - MUS 2430 University Chamber Singers, 1 unit
  - MUS 2480 Jazz Ensemble, 1 unit
  - MUS 2490 Vocal Ensemble, 1 unit
  - MUS 2500 Instrumental Chamber Ensemble, 1 unit
- Complete 6 units from any of the following upper-division courses:
  - MUS 3100 Music History and Literature II, 3 units
  - MUS 3200 Music History and Literature III (WP), 3 units
  - MUS 3400 American Music, 3 units
  - MUS 3410 History of Jazz, 3 units
- Electives as approved by the minor adviser, 3 units.
- All minors must enroll in Directed Listening (MUS 2880/4880) and an appropriate performing ensemble during each semester of applied study. (See Department Requirements.)
- Of the 24 units total, at least 8 must be in upper-division courses. See the department for further information.

**New Courses:****MUS 2390 Summer Camp Administration (1 unit).**

Students are required to participate in the organization, recruitment, and development of summer music camps. Students will coach rehearsals, manage activities, assist in administration, and mentor middle and high school aged students. Prerequisite: Consent of instructor. (Spring)

**MUS 4390 Summer Camp Administration (1 unit).**

Students are required to participate in the organization, recruitment, and development of summer music camps. Students will coach rehearsals, manage activities, assist in administration, and mentor middle and high school aged students. Prerequisite: Consent of instructor. (Spring)

**Theatre (Formerly Drama)**

Effective in Fall 2002, the course prefix "DRAM" will be changed to "THEA."

**Update to Bachelor of Arts, Drama (page 285-286 of the 2001-2003 Catalog):**

The Department of Theatre offers the degree, Bachelor of Arts, Theatre Arts, which is accredited by the National Association of Schools of Theatre.

**Bachelor of Arts, Theatre Arts****Requirements**

- Complete University requirements for the Bachelor of Arts degree (51 units minimum).
- Complete the following courses (12 units):
  - THEA 1010 Introduction to Theatre, 3 units
  - THEA 1500 Acting for Non-Theatre Majors, 3 units
  - THEA 1510 Dance for the Stage, 3 units
  - THEA 2300 Theatre Workshop I, 3 units

**The Major (40 units)**

- Complete the following required courses:
  - THEA 3200 Stagecraft I, 3 units
  - THEA 3210 Makeup, 3 units
  - THEA 3240 Costuming, 3 units
  - THEA 3250 Stagecraft II, 3 units
  - THEA 3510 Theatre History I, 3 units
  - THEA 3520 The Modern Theatre (WP), 3 units
  - THEA 4350 Rehearsal and Performance, 6 units
  - THEA 4510 Intermediate Acting, 3 units
  - THEA 4520 Advanced Acting, 3 units
  - THEA 4550 American Theatre, 3 units
  - THEA 4600 Directing, 3 units
  - THEA 4960 Senior Seminar, 4 units
- The following special interest elective courses are available, but may not be substituted for Major requirements:
  - THEA 3020 Children's Theatre, 3 units
  - THEA 4020 Performance for Children, 4 units
  - ENGL 4130 Dramatic Literature I, 3 units
  - ENGL 4135 Dramatic Literature II, 3 units
  - ENGL 4140 American Drama, 3 units
  - ENGL 4300 Shakespeare, 3 units

**Description Changes:**

**THEA 3210 Makeup (3 units).**

The practical application of makeup for the stage. Included will be work on modeling in line and color, corrective and age makeup, special effects, animal face painting, fantasy makeups, crepe beard layout, character analysis, and how to develop a character through makeup. (Lab hours are required.)

**THEA 3240 Costuming (3 units).**

The study and application of the differences between the costumer and the costume designer. Included will be basic theatrical sewing techniques, color theory, fabric dyeing techniques, character analysis, how to develop a character through costume, and costume rendering techniques. (Lab hours are required.)

**Title and Description Change:**

**THEA 3510 Theatre History I (3 units).**

(Formerly Classical Theatre) A study of theatre from its primitive roots to the mid-19th century. Students will study the development of theatre arts in Europe and America with special consideration given to the social, political, and economic conditions in which theatre has had to function.

# College of Education

**Office:** Demergasso-Bava Hall 301  
(209) 667-3145

**Dean** Irma Guzman Wagner

## Advanced Studies

### Administration

#### New Courses:

***EDAD 5001 Community College Leadership Seminar (1 unit).***

Explores the rôle of leaders in community colleges and the desired outcomes of effective leadership on students, faculty, staff, and the community. Students enroll in this course in each of four separate academic terms for a total of four units.

***EDAD 5002 Human Resources in the Community College (2 units).***

Develops skills and strategies related to human resource development and management in community colleges; establishes a foundation for building organizations of people committed to academic and administrative excellence.

***EDAD 5003 Community College Resource Development (1 unit).***

Designed to increase skills related to resource development, including grant writing and management, marketing techniques, and collaborative approaches to working with governmental bodies, corporate agencies, and private foundations.

***EDAD 5004 Community College Finance (2 units).***

Develops students' fiscal knowledge and skills related to federal, state, and local revenue allocations, budget preparation, management, and audit.

***EDAD 5005 Technology in the Community College (2 units).***

Focuses on the development of competencies in the use of technology in the community college for student services, academic instruction, institutional multimedia support services, and administrative decision making.

***EDAD 5006 Community College Students and Instructional Services (2 units).***

An analysis of organizational models, administrative competencies, and emerging challenges related to student and instructional services in community colleges.

***EDAD 5007 Field Experience in the Community College (1 unit).***

Field experience provides opportunities to practice leadership skills and obtain community college experience. Field experience projects are supervised by an administrative site supervisor/mentor and the instructor. Students enroll in this course in each of two separate academic terms for a total of 2 units.

### Counseling

#### New Course:

***EDCL 5770 College Counseling and Student Services (3 units).***

An overview of the role of student service personnel in colleges and universities. Includes a study of recruitment, matriculation, retention, and counseling practices as they pertain to college students.

#### Prerequisite Change:

***EDCL 5780 Consultation and Supervision of School Counselors (3 units).***

Theory, procedures, and practice in consultation and supervision for school counselors. Emphasis on consultation and change, theory, and organizational development. The role of the school counselor as a consultant to teachers, parents, and administrators and as a supervisor for para-professionals and counselor trainees. Prerequisite: At least one semester of EDCL 5760.

## Educational Technology

Revised Emphasis (page 321 of the 2001-2003 university catalog):

### M.A. in Education with Emphasis in Educational Technology

This graduate level area of emphasis is designed for teachers and other education professionals who are interested in an advanced study of educational technology. A Preliminary Teaching Credential is a prerequisite for entry into the program; this may be waived for persons teaching at the Community College level, with approval from the program coordinator.

Several of the EDIT courses are offered either via distance learning or are online. More information about offerings and admission procedures is available at <http://www.csustan.edu/advstd/edtech/edtech.html> or by contacting the program coordinator.

(32 units including Common Course Work)

#### Educational Technology Core

- EDIT 4710 Advanced Technology Integration Strategies, 3 units
- EDIT 4720 Multimedia Development in Education, 3 units
- EDIT 5100 Research Trends in Educational Technology, 2 units
- EDIT 5200 Educational Technology Issues, 3 units
- EDIT 5300 The Technology Coordinator, 3 units

#### Electives

2 to 7 units of electives, selected from 5000-level course work. Courses must be approved by the program coordinator.

#### Thesis/Project

EDGS 5960 Project, 1-3 units (may be repeated once),

or

EDGS 5990 Thesis, 1-3 units (may be repeated once)

*Note: If Project/Thesis is not complete after two semesters of enrollment, then one unit of MDIS 7000 must be taken through Extended Education per semester until finished.*

#### Deleted Courses:

- EDIT 5110 Social Perspectives of Technology in Education (2 units).
- EDIT 5120 School Technology Leadership (2 units).
- EDIT 5130 Educational Technology Specialists (2 units).

#### New Courses:

##### **EDIT 5200 Educational Technology Issues (3 units).**

Ethical, social, financial, and legal implications of technology in education will be explored. The emphasis is on how technology impacts schools, students, and teachers. Prerequisite: Preliminary teaching credential.

##### **EDIT 5300 The Technology Coordinator (3 units).**

Skills needed by school/district technology coordinators and mentors are included in this class. Network configuration, hardware and software trouble-shooting, staff development practices, and grant writing are featured. Prerequisite: Preliminary teaching credential.

#### Special Education: Upper Division

##### New Course:

##### **EDSE 4550 Practicum with Exceptional Children (3 units).**

(Same as PSYC 4550) Acquisition and application of direct instruction teaching strategies. Students will work in small groups with children who have been identified as functioning below grade level in reading or math. Emphasis is on learning generalized direct instruction skills. Prerequisite: Consent of instructor.

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## Teacher Education

##### New Course:

##### **EDSC 4000 Secondary Education I for Interns (4 units).**

Introductory course for intern program. Lesson and unit planning; classroom management. Prerequisite: Admission to the SSCP intern program.

## Appendix C

### Determination of Residence for Non-resident Tuition Purposes

#### Correction:

10. Full-time State University employees and their children and spouses; State employees assigned to work outside the State and their children and spouses. This exception continues until the student has resided in the state the minimum time necessary to become a California resident.

(See page 368 of the 2001-2003 University Catalog for the full text of Appendix C.)

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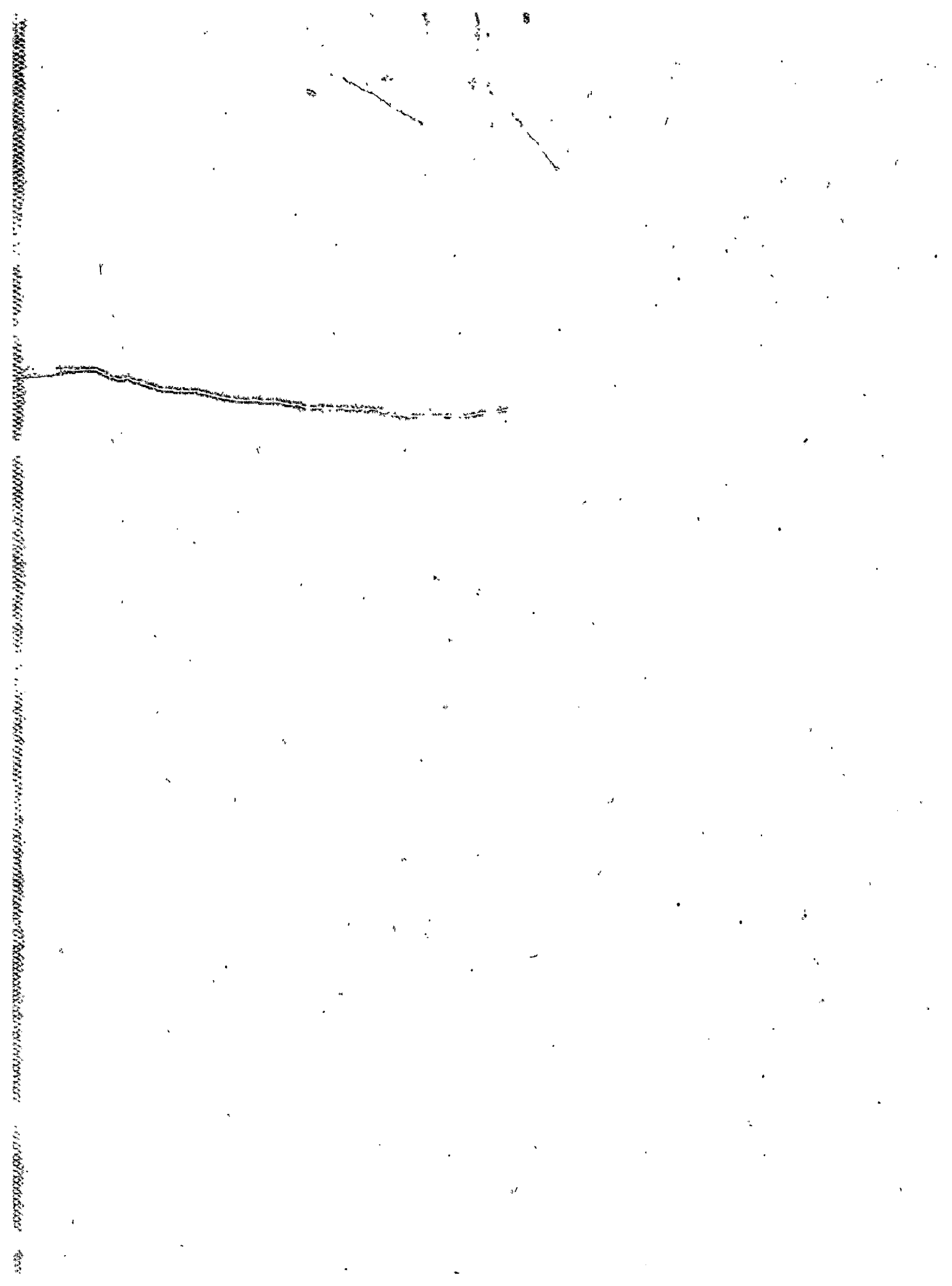


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Turlock, CA 95382

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