

CALIFORNIA STATE UNIVERSITY, STANISLAUS



2007-2008
Undergraduate Catalog



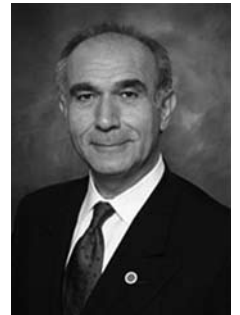
CALIFORNIA STATE UNIVERSITY, STANISLAUS 2007-2008 Undergraduate Catalog

Requests for further information should be addressed to:

Admissions & Records
California State University, Stanislaus
One University Circle
Turlock, California 95382-0299 • 209/667-3122
www.csustan.edu

Message from the President

Welcome to California State University, Stanislaus. We offer a first-rate educational experience on our beautiful campus in northern California's rich valley. We are small enough to foster the formation of lifelong relationships inside the classroom and out; yet big enough to offer a wide range of courses and activities to encourage you to stretch yourself and make the most of your college years.



The focus of a Stanislaus education is engagement: our mission is to engage every member of our campus in expanding their intellectual, creative and social horizons in a diverse community committed to nourishing a thirst for lifelong learning. Testimony to our success is the fact that among the 23 campuses of the California State University system, CSU Stanislaus has one of the best retention rates. It's simple: students stay where they find an environment that helps them succeed.

Our student-centered community is committed to access, especially for first-generation students. Our students enjoy regular contact with faculty, consistent advising, connection to the campus through organizations and activities, and engagement in the classroom—all factors that will help make your college experience truly stimulating and rewarding.

Our campus offers the beauties of nature on 228 acres graced by a wealth of lakes and fountains, yet we are just ninety minutes from the big-city excitement of San Francisco. We offer a wide range of fully accredited academic programs and we are recognized for our commitment to diversity and a student body drawn from many nations.

Of course, most important are the people. The faculty at CSU Stanislaus are exceptional. They embrace the mutuality of learning and teaching, for themselves and their students. They recognize that students learn in different ways and they seek out the best strategies—from interdisciplinary teaching to using technology in the classroom—to help our students succeed.

CSU Stanislaus is a university on the move, always reaching higher. We are engaged in working with our communities, our alumni, and our dynamic student body in exploring the issues that face our nation and our world. We are fully prepared to meet the challenges of higher education and to help students define their future contributions to our global society. Pursuing a college education is a challenging journey that will change your life; CSU Stanislaus is a wonderful place to begin.

Hamid Shirvani
President



Vision Statement

CSU Stanislaus strives to become a major center of learning, intellectual pursuit, artistic excellence and cultural engagement for California's greater Central Valley and beyond. We will serve our diverse student body, communities and state by creating programs, partnerships and leaders that respond effectively to an evolving and interconnected world.

Mission

The faculty, staff, administrators, and students of California State University, Stanislaus are committed to creating a learning environment which encourages all members of the campus community to expand their intellectual, creative, and social horizons. We challenge one another to realize our potential, to appreciate and contribute to the enrichment of our diverse community, and to develop a passion for lifelong learning. To facilitate this mission, we promote academic excellence in the teaching and scholarly activities of our faculty, encourage personalized student learning, foster interactions and partnerships with our surrounding communities, and provide opportunities for the intellectual, cultural, and artistic enrichment of the region.

To achieve our mission and vision:

- We inspire all members of the campus community to demand more of self than we do of others to attain new knowledge and challenge assumptions. We challenge one another to be fully engaged, responsible citizens with the ethics, knowledge, skills, and desire to improve self and community.
- We value learning that encompasses lifelong exploration and discovery through intellectual integrity, personal responsibility, global and self-awareness, grounded in individual student-faculty interactions.
- We are a student-centered community committed to a diverse, caring, learning-focused environment that fosters collegial, reflective and open exchange of ideas.
- We, as students, create the collegiate experience through initiative, participation, motivation, and continual growth to meet the demands of self and others.
- We, as faculty, elicit, nurture, and enhance the different voices of our selves, students and communities through deliberate engagement, continual discovery and ongoing transformation.
- We, as staff and administrators, contribute to the learning environment by demonstrating the knowledge, skills and values that serve and support the University's mission.

We encourage you to learn more about our vision of lifelong learning and our commitment to engage our community of learners. Information on contacting our Admissions & Records office appears below. You may also want to delve into our Web site at www.csustan.edu.

Admissions & Records
California State University, Stanislaus
One University Circle
Turlock, California 95382 · (209) 667-3152
www.csustan.edu/admissions

Institutional Accreditation

CSU Stanislaus received its first accreditation in 1964 and a 10-year accreditation in 1999 from:

Western Association of Schools and Colleges
985 Atlantic Avenue, Suite 100
Alameda, CA 94501
Phone: (510) 748-9001 * Fax: (510) 748-9797 * www.wascweb.org

Specialized Accreditation

The following programs are accredited by their specialty organizations:

College of the Arts

- Art — National Association of Schools of Art and Design
- Music — National Association of Schools of Music
- Theatre — National Association of Schools of Theatre

College of Business Administration

- AACSB International — The Association to Advance Collegiate Schools of Business

College of Education

- National Council for Accreditation of Teacher Education
- California Commission on Teacher Credentialing

College of Human and Health Sciences

- Nursing — Commission on Collegiate Nursing Education
- Psychology — Association for Behavior Analysis
- Social Work — Council on Social Work Education

College of Humanities and Social Sciences

- Public Administration — National Association of Schools of Public Affairs and Administration

College of Natural Sciences

- Chemistry — American Chemical Society

CSU Stanislaus at a Glance

Reputation

The *Princeton Review* ranked CSU Stanislaus as one of the best 366 colleges in the nation a distinction awarded to only 10 percent of colleges and universities throughout the United States. The University is among the Top 100 colleges for bachelor's degrees awarded to Hispanic students. It is designated as a Hispanic-serving Institution by the U.S. Department of Education. The American Association of State Colleges and Universities recognized CSU Stanislaus as one of 12 public universities nationwide that demonstrate exceptional performance in improving retention and graduation rates.

CSU Stanislaus consistently receives high ratings from the Western Association of Schools and Colleges (WASC). It is noted for small class sizes and a low percentage of student debt upon graduation.

Campus

California State University, Stanislaus blends modern facilities with the pastoral charm of the countryside. The University enjoys an ideal location in the heart of California's Central Valley, a short distance from the San Francisco Bay Area, Monterey, Big Sur, the Sierra Nevada mountains, and the governmental hub of Sacramento. The 228-acre campus is located in the City of Turlock—a community that prides itself on its small-town atmosphere, clean living space, excellent schools, and low crime rate. The campus itself is a beautiful, park-like setting in an environment conducive to learning. Shaded by hundreds of trees and graced by ponds, trickling streams and waterfalls, the picturesque campus offers moments of peace and relaxation to busy students, staff and visitors. These physical surroundings encourage and welcome students, faculty, staff, and the community to actively participate in the learning-centered activities sponsored by the campus.

Facilities

The campus originally contained two buildings: the Classroom Building, renamed **Dorothy and Bill Bizzini Hall**; and the library building, named after founding President **Dr. J. Burton Vasché**. A few years later, the art, theatre, music, and science buildings were added. The **Health Center**, dedicated in 1981, provides basic medical services, health maintenance, and health education.

The **University Union** building houses the CSU Stanislaus Bookstore, the Associated Students, Inc. office, the Carol Burke game room, TV lounge, and the Warrior, Stanislaus, and Lakeside conference rooms. The **Dining Hall** complex offers a 553-seat cafeteria, a smaller dining room, Mom's smoothie bar, and Pop's convenience store.

The **Residence Life Village** student housing complex opened in 1993 and includes apartment-style accommodations with laundry facilities, a computer lab, recreation room, courtyard with barbecue areas, and a pool. Phase III, completed in 2004, nearly doubled the capacity and added a unit for the Faculty in Residence, a dining facility, a second pool, and more sports courts.

Physical education facilities include a fieldhouse, a 2,300-seat gymnasium, soccer field, baseball and softball diamonds, tennis courts, all-weather track, and swimming pool.

The **Demergasso-Bava Hall**, built in 1998, houses classrooms, lecture halls, laboratories and faculty offices, several academic departments, The Signal, (the student newspaper), the campus radio and television stations, and the Distance Learning Center.

The **Mary Stuart Rogers Educational Services Gateway Building**, completed in 2002, provides one-stop student services, including enrollment, advising, counseling, and career development, and several administrative offices.

The **John Stuart Rogers Faculty Development Center**, which opened in 2003, offers faculty members a gathering place to form research partnerships, promote service learning, integrate academic technology into pedagogical practices, and work on projects in multimedia laboratories.

The **Bernell and Flora Snider Music Recital Hall**, dedicated in 2003, provides the ideal acoustical showcase for student, faculty and guest talent.

The **Nora and Hashem Naraghi Hall of Science**, completed in 2007, offers state-of-the-discipline classrooms and laboratories, plus a new observatory, animal care facility and greenhouse.

Summary

Location: Turlock, California

Organization: College of the Arts, College of Business Administration, College of Education, College of Human and Health Sciences, College of Humanities and Social Sciences, College of Natural Sciences

First Class: 1960 (as Stanislaus State College)

President: Dr. Hamid Shirvani

Faculty: 292 full-time

Enrollment: 8,374 (as of Fall 2006)

Affiliation: The California State University (23-campus system)

Fields of study: Undergraduate degrees in 40 majors; graduate degrees in 23 majors; credentials in teacher preparation and in four professional areas; and more than 1,000 courses

Annual Cost: Approximately \$3,199 for undergraduate student fees

Student Aid: About 65 percent of students receive some form of financial aid

Athletics: NCAA Division II

Women: Basketball, cross country, soccer, volleyball, softball, track and field

Men: Baseball, basketball, cross country, golf, soccer, track and field

Table of Contents

Message from the President..... 1

CSU Stanislaus At a Glance..... 5

Summary 7

College Year Calendar..... 10

General Information..... 12

Admission and Registration..... 25

Fees and Financial Aid..... 46

Campus Life..... 56

Academic Policies and Procedures 66

Academic Standards 84

Baccalaureate Degree Requirements 92

Interdisciplinary Programs 98

Academic Programs*..... 120

Directories 558

Appendix..... 590

Index 618

Degrees Listed by Colleges and Departments..... 628

Campus Map 633

*Programs are listed alphabetically within the department and college that house them. Those that belong to a college, but not to a specific department within that college, are listed first. Please consult the Index for a detailed page list.

Conditions of Accuracy

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the Chancellor or designee of the California State University, or by the President or designee of the campus. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as, or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the Chancellor of the California State University, or the President of the campus. The Trustees, the Chancellor, and the President are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the institution or the California State University. The relationship of the student to the institution is one governed by statute, rules, and policy adopted by the Legislature, the Trustees, the Chancellor, the President and their duly authorized designees.

Catalog Orders

Reference copies of the University Catalog are available from the Vasché Library. The catalog can also be accessed online at www.csustan.edu. Personal copies can be purchased at the CSU Stanislaus Bookstore on campus for \$10 including tax. To order by mail from within the continental United States, write to the CSU Stanislaus Bookstore, 801 W. Monte Vista Avenue, Turlock CA 95382 and include \$16.95 to cover catalog, tax, handling and postage. For international orders, send U.S.\$25. (Prices are subject to change.) You may also call (209) 667-3161.

Schedule of Classes Orders

The Schedule of Classes can be accessed online at www.csustan.edu.

College Year Calendar

See the Schedule of Classes and www.csustan.edu for registration dates.

Summer Term 2007

February 1-April 30	Priority Admission Filing Period
June 11-July 20	Session A
July 4	Fourth of July Holiday (Campus closed)
July 23-August 17	Session B

Fall Semester 2007

October 1-November 30, 2006	Priority Admission Filing Period
September 1, 2007	Village Move-in Day
September 3	Labor Day (Campus Closed)
September 5	Classes Begin
October 2	Applications Due for Winter/Spring/Summer '08 Graduation
October 2	Enrollment Census Date:

Enrollments are not accepted after this date.

October 10	Columbus Day (Offices Open, No Classes)
November 12	Veterans' Day observed (Campus Closed)
November 22-23	Thanksgiving Holiday (Campus Closed)
December 10	Last Day of Classes
December 11	Reading Day
December 12-14, 17-18	Final Examinations
December 21	Last Day of Term
December 17-21	Grades Due from Faculty
December 25, 2007-January 1, 2008	Holiday Break (Campus Closed)

Winter Term 2008

June 1-30, 2007	Priority Admission Filing Period
January 3, 2008	Classes Begin
January 10, 2008	Enrollment Census Date:

Enrollments are not accepted after this date.

January 21, 2008	Martin Luther King Day (Campus Closed)
January 31, 2008*	Last Day of Classes
February 1, 4, 2008	Final Examinations
February 7, 2008	Last Day of Term
February 6-7, 2008	Grades Due from Faculty

*Thursday, January 31, meets as a Monday instructional day.

Hours of Operation

Regular hours are 8 a.m. to 5 p.m. Monday through Friday. Summer hours are observed from June through August, and are from 7:30 a.m. to 4 p.m. weekdays. Some smaller campus offices temporarily close during the winter and summer terms. Please call to verify office hours before visiting.

Spring Semester 2008

August 1-31, 2007	Priority Admission Filing Period
February 5-6, 2008	Academic Holiday (Offices Open, No Classes)
February 8, 2008	Winter/Spring Recess (Offices Open, No Classes)
February 13, 2008	Classes Begin
March 2, 2008	Priority Financial Aid Application Deadline for Fall 2008
March 11, 2008	Enrollment Census Date:

Enrollments are not accepted after this date.

March 31, 2008	Cesar Chavez Day (Campus Closed)
March 24-28, 2008	Spring Break (Offices Open, No Classes)
May 21, 2008*	Last Day of Classes
May 22-23, 27-29, 2008	Final Examinations
May 26, 2008	Memorial Day (Campus Closed)
June 4, 2008	Last Day of the Term
June 1-June 6, 2008	Grades Due from Faculty
May 30 or 31, 2008	Commencement

*Wednesday, May 21, meets as a Monday instructional day.

The 4-1-4 at CSU Stanislaus

California State University, Stanislaus was the first public, four-year university in California to adopt a 4-1-4 academic calendar. Now in its 30th year, it is well received by students and faculty. The 4-1-4 academic year consists of two 13-week semesters and a month-long winter term. Fall semester ends before the holiday break and spring semester finishes in late May or early June. A typical student load is four courses in the fall, one course during winter term, and four courses in the spring—hence “four-one-four.”

Although exactly equivalent to traditional semester or quarter programs in terms of instructional weeks (30), credit units earned, teaching loads, and registration fees, the structure of the 4-1-4 year provides greater opportunities for an innovative and challenging curriculum. The unique dimension of 4-1-4 is the winter term in which students and faculty concentrate on one course or project. To stimulate academic innovation and encourage students to explore unfamiliar disciplines, many winter term courses and projects are graded on a Credit/No Credit basis.

Winter term provides an unusual chance for intensive pursuit of a single subject. This concentration of time, resources, and energy constitutes a new intellectual experience for most undergraduates.

General Information

California State University, Stanislaus is an exceptional public university that, because of its student-friendly size and commitment to excellence, is able to offer all the benefits of a private education. CSU Stanislaus offers baccalaureate degrees in the liberal arts, sciences, business and education, as well as teaching credentials, master's degree programs, and other professional studies.

The University is composed of the College of the Arts, College of Business Administration, College of Education, College of Human and Health Sciences, College of Humanities and Social Sciences, and the College of Natural Sciences. Additional course offerings developed specifically for learners seeking professional or personal development are available through University Extended Education. CSU Stanislaus continues to emphasize quality and excellence in education and to respond to the needs of its diverse student population. Through a strong commitment to diversity and educational equity, CSU Stanislaus helps all students reach their full potential.

Affiliations

CSU Stanislaus is part of The California State University, a 23-campus system across California. With more than 400,000 students, it is the largest, the most diverse, and one of the most affordable university systems in the country. CSU campuses emphasize access to quality public higher education and workforce preparation that is responsive to regional needs.

CSU Stanislaus is a member of the Western Undergraduate Exchange (WUE) program, giving students from outside of California a valuable opportunity to participate in California's top-notch public university system. The WUE is a part of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in Arizona, Montana, Oregon, Alaska, Nevada, Utah, Colorado, New Mexico, Washington, Hawaii, South/North Dakota, Wyoming, and Idaho may enroll at CSU Stanislaus at a reduced tuition level: 150 percent of in-state resident tuition. WUE tuition is considerably less than nonresident tuition.

History

The State Legislature established what was then known as Stanislaus State College in 1957. The first classes opened in September of 1960 on the Stanislaus County Fairgrounds. In 1965, the college moved to its permanent campus. It was awarded university status and renamed California State University, Stanislaus in 1985.

Residents of San Joaquin County gained access to public higher education when the University opened the Stockton Center on the campus of San Joaquin Delta College in 1974. In the fall of 1998, the Center, renamed CSU Stanislaus-Stockton Center, moved to its permanent site on Magnolia Avenue in downtown Stockton.

Academic Programs

The University offers undergraduate degrees in 40 majors; graduate degrees in 23 majors; credentials in teacher preparation and in four professional areas; and more than 1,000 courses including pre-professional programs in law, medicine, dentistry, pharmacy, physical therapy, veterinary medicine, optometry, laboratory technology, and medical laboratory technology. Students are encouraged to take courses to give them a broad understanding of the liberal arts and sciences in their first two years so they can make an informed choice of specialization. See Index listing for Undergraduate Programs.

Information about graduate, postbaccalaureate and teacher credential programs at CSU Stanislaus can be found in the Graduate Catalog, available from the CSU Stanislaus Bookstore and the Vasché Library. The Graduate Catalog can also be accessed online at www.csustan.edu.

Faculty

The highly accessible faculty is renowned for teaching, research and service. Eighty-two percent of full-time faculty are tenured or on tenure-track. Seventy-seven percent of tenured or tenure-track full-time faculty hold a doctorate or other terminal degree in their fields.

The following are the recipients of the Outstanding Professor Awards at California State University, Stanislaus for the 2006-2007 academic year:

Outstanding Professor: Professor Kelvin Jasek-Rysdahl

Kelvin Jasek-Rysdahl, Professor of Economics and Co-Director of the Center for Public Policy Studies, has been commended as a dedicated and remarkably effective teacher, and an accomplished community-based researcher, who is, in the words of one respondent, "a uniquely gifted communicator, a committed, participant citizen, and a prize of the CSU faculty at large."

Outstanding Research, Scholarship, and Creative Activity: Professor Joan Wink

Joan Wink, Professor of Teacher Education, is a remarkably creative and productive scholar whose work has enjoyed wide distribution and acclaim. Her five books and numerous articles and chapters, which include *Teaching Passionately and Critical Pedagogy: Notes from the Real World*, have inspired many colleagues, friends, and students to recognize her (in the words of one) as "an extraordinary colleague, always eager to help and encourage others, always devoted to the field, and completely unafraid of hard work and new ideas."

Outstanding Community Service: Professor Shane Phillips

Shane Phillips, Chair and Associate Professor of Chemistry, has encouraged hundreds of school-age and university students to seek and succeed in higher education through his tireless work in local schools, in the Science Olympiad, and in our campus Faculty Mentor Program. Professor Phillips has been enthusiastically commended by a number of school-age children, who have made him their "College Buddy," and by colleagues and local teachers, one of whom notes that he has "infused our school with his intelligence, creativity, and passion for science."

Elizabeth Anne B. Papageorge Faculty Development Award: Professor Molly Crumpton Winter

This award recognizes and encourages outstanding achievement by probationary faculty members. Molly Crumpton Winter, Assistant Professor of English, is commended for her commitment to engaging, innovative, and effective teaching, an exceptionally strong scholarly record, and a number of substantial and welcome contributions to Department, College, and University service.

Student Body

The diverse student body includes many first-generation college students and working parents. The student body of 8,374 includes 6,671 undergraduate students and 1,703 graduate students (fall 2006). Average class size is 15 to 40.

Student Life

CSU Stanislaus sponsors nearly 80 student groups, including professional, recreational, religious, cultural, and Greek organizations. The Associated Students, Inc. (ASI) is CSU Stanislaus' student government. ASI organizes intramural sports leagues, community wellness programs, and university spirit events. The University Student Union, run by students for students, brings the campus community together and includes the Student Union Board of Directors, Union Program Board, Outdoor Adventure Program, Indoor Adventure Program, and Multicultural Events.

CSU Stanislaus' residential community, The Village, lets students immerse themselves in all aspects of the university experience while giving a plethora of support resources and guidance. Residents enjoy rooms that provide more space, as well as a higher level of privacy, than can be found within most on-campus living communities. The freshman housing community offers three styles of lodging (single suites, double suites, and apartments), while upper division residents enjoy apartment-style accommodations. The vast majority of residents are housed in four-bedroom single occupancy apartments complete with lounge furniture, a full kitchen, bathroom, and living room.

Athletics

The Department of Intercollegiate Athletics (within the Student Affairs Division) sponsors 14 men's and women's teams that compete at the National Collegiate Athletics Association (NCAA) Division II level in the California Collegiate Athletic Association. Under the leadership of Athletic Director Milt Richards and our outstanding coaches, the Department has been ranked 65th out of 227 Division II schools in the U.S. Sports Academy Directors' Cup standings. This ranking puts us in the top 30 percent of Division II colleges in the nation. CSU Stanislaus is the highest-ranked California Collegiate Athletic Association team on the list.

Fall sports include men's and women's cross country, men's and women's soccer, and women's volleyball. Winter sports include men's and women's basketball and men's and women's indoor track and field. Spring sports include baseball, men's golf, softball, and men's and women's outdoor track and field. All current CSU Stanislaus students are admitted free for all home events. For more information, visit www.warriorathletics.com.

Alumni

The success of an educational institution is measured by the success of its graduates. CSU Stanislaus prides itself on its contributions to the economy of the state of California and to a wide range of fields that include education, public service, law enforcement, business, and health care. Since the founding class, 35,000 alumni have proudly called CSU Stanislaus their alma mater. The Alumni Association promotes involvement in the community with activities such as fundraisers, service projects and family-oriented outings. It also supports current students with scholarship endowments.

Scholarships

Students who demonstrate academic excellence may receive monetary support from nearly 140 available scholarships, many offering multiple awards. Any full-time matriculated CSU Stanislaus student may apply. Scholarships are funded by private gifts, business donations, and endowments. Most awards range from \$100 to \$5,000 per academic year, averaging about \$500. The new President's Scholarships award \$12,500 a year, while the new Provost's Scholarships award \$3,500 annually.

For complete information, contact the Financial Aid and Scholarships Office at (209) 667-3336 or visit the Web site at www.csustan.edu/financialaid. Since 1996, more than \$10 million has been pledged and/or gifted to the CSU Stanislaus Foundation in support of scholarships, endowed scholarships and endowed operations from private donors. Recruiting scholarships are designated for entering freshmen and transferring community college students. Department scholarships are for students who have declared a specific major. Open scholarships are unrestricted.

The Library

The University Library provides major educational, cultural, and information services to the University and the community. The library's mission is to support and supplement classroom and independent learning; facilitate and support student and faculty research; and provide users with lifelong skills in identifying, locating, evaluating, and synthesizing information. The Library staff is dedicated to offering excellent reference, instruction, and access services to the University's campus and distance learning programs. The collection includes 370,944 volumes, 1,237 periodical subscriptions, 1.1 million microforms, 4,805 audiovisual materials, access to 113 electronic databases and a growing number of electronic journals, video recordings, compact discs, and e-books. Since 1965 the library has been a partial depository of federal, state, and local documents. Other special collections include the University archive, with documents on local and University history, and the juvenile collection, which has 6,213 volumes of award-winning and notable titles in children's literature.

Student Success Center

Student success is of great importance to the entire campus community at CSU Stanislaus. Our excellent retention rate (80% of first-year students) can be attributed to effective programs and efforts. The First Year Programs are designed to assist first-time students with their transition and acclimation to CSU Stanislaus, and provide a forum in which to discuss any academic questions or concerns.

The Summer Reading Project gives incoming students a common intellectual exercise to jump-start their university experience.

The Tutoring Program offers free group and individual tutorial services in most subjects.

The Reentry/Adult Student Program assists those who have either deferred admission to college or are returning after a minimum 5-year absence. The “Welcome Week-Ready for Success Now” early evening workshops are held the first week of each fall and spring semester.

The Senior Scholar Program offers Senior Scholars (who are academically qualified and are 60 or older) an opportunity to attend university courses while keeping tuition costs very affordable.

The Graduating Student Program is designed to help students transition to life after college. The program includes workshops for students who have almost completed the requirements for graduation from CSU Stanislaus.

The Faculty in Residence program fosters an increased academic focus to residential living, promotes out-of-classroom connections to faculty, and provides increased academic-related programming for residential students.

Special Learning Opportunities

Lecture Series and Cultural Offerings

The University offers a wide variety of public programs, activities and entertainment including theater, concerts, and art exhibits. Renowned personalities who have given special lectures include journalists Ellen Goodman and Cokie and Steve Roberts, the legendary Bill Cosby, historian Carlos Cortés, former U.S. Secretary of Education Richard Riley, and former Secretary of State Colin Powell and James A. Baker III. Performers Willie Nelson, Ray Charles, B.B. King, Vince Gill, Van Cliburn, and the cast from Beach Blanket Babylon have entertained the campus and its community.

Office of International Education

The Office of International Education promotes the internationalization of the teaching, research and service missions of CSU Stanislaus through campuswide efforts such as international student services and recruitment, Study Abroad, faculty exchange, faculty and staff development, international development projects, and linkages with the Northern San Joaquin Valley’s diverse ethnic communities.

International Student Services

The Office of International Education assists the University’s F-1 and J-1 visa students and scholars in making the most of their experience at CSU Stanislaus. Services include comprehensive orientation and advising on immigration matters, cultural adjustment, financial issues, housing, transportation and employment.

Study Abroad

The Office of International Education offers opportunities for CSU Stanislaus students to study in many different parts of the world. Students gain an international perspective, increased independence and self-confidence, and a strong professional advantage. Students may earn regular academic credit. (Students will not receive credit for foreign study undertaken without prior approval of CSU Stanislaus.) For more information, contact (209) 667-3117 or stop in at the Student Services Building Room 144.

University Honors Program

The University Honors Program is for students with solid academic abilities who desire to participate in an academic learning community. Honors faculty work closely with students to develop intellectual skills and the aptitude for interdisciplinary research. Students may apply for admission as entering freshmen or as transfers. Sophomore admission is on a space- available basis only. Honors at entrance does not guarantee admission to the University Honors Program. More information is available at www.honors.csustan.edu, in the Honors Program section of this catalog, or at the Honors Department at (209) 667-3180.

Intensive Learning Experience

First-time freshman students may participate in the Intensive Learning Experience program. Eligible students are identified by their SAT I scores (320 or lower in either the Verbal or Mathematics section), or by their scores on the EPT (141 or below), or ELM (360 or below). With SAT scores, the cutoffs are 400 verbal and 370 mathematics. Students in the program receive reading/writing instruction in small classes of 12-15 students. Tutoring services are provided at no cost in both mathematics and English. Students receive personal attention to successfully begin their University career. For more information, contact the ILE Director at (209) 667-3361.

English as a Second Language

The English as a Second Language program is designed for students, both international and permanent residents, for whom English is not a native language. The three courses in the program provide intensive instruction and tutoring in writing and reading. All courses yield graduation credit. For information contact the Department of English at (209) 667-3361.

Centers and Institutes

The Centers and Institutes of CSU Stanislaus exist to advance the goals of the University and to enhance its programs of instruction, scholarship, and service. They provide a means for interdisciplinary collaboration and a method by which extramural funds and fees can be employed to supplement other resources. A description of the Centers and Institutes may be found in the Faculty Handbook. For more information about the Centers and Institutes, please contact the directors listed below.

University-wide Centers and Institutes

Child Development Center.....Jennifer Esterly
Center for Direct Instruction.....Cathy Watkins
Center for Portuguese Studies.....Elmano Costa
Center for Public Policy Studies.....John Garcia and Kelvin Jasek-Rysdahl

College of Business Administration

College of Business Administration
Management Development Center Nael Aly

College of Human and Health Sciences

Behavioral Intervention ServicesJane S. Howard

College of Humanities and Social Sciences

Institute for Archaeological Research..... Sari Miller-Antonio
 Institute for Cultural Resources..... Thomas E. Durbin
 Center for Economic Education..... Kelvin Jasek-Rysdahl and Elaine Peterson

National Honor Societies

All Disciplines: Phi Kappa Phi. Recognizes and encourages superior scholarship in all academic disciplines in institutions of higher learning. Eligibility includes juniors, seniors, graduate students, faculty, and alumni. Membership is by invitation only.

College of Business Administration

Accounting and Finance: Beta Alpha Psi. Encourages and honors achievement in the study of accounting and finance. Recognizes academic excellence and complements members' formal education by providing interaction among students and professionals through professional meetings and service activities. Eligibility includes juniors, seniors, graduate students, faculty and alumni. Membership is by invitation only.

Business Administration: Beta Gamma Sigma. Encourages and recognizes scholarship and accomplishment among students (of business, management, and administration) and encourages and promotes aspirations toward personal and professional improvement and a life distinguished by honorable service to humankind. Eligibility includes juniors, seniors, and graduate students.

College of Education

Education: Phi Delta Kappa. Promotes quality education, with particular emphasis on publicly supported education, as essential to the development and maintenance of a democratic way of life. Eligibility includes undergraduate education majors, graduate students, and professional educators.

College of Human and Health Sciences

Nursing: Sigma Theta Tau. Recognizes superior achievement, develops leadership qualities, fosters high professional standards, encourages creative work, and strengthens commitment to the ideals and purposes of individuals in the profession of nursing. Eligibility includes juniors, seniors, graduate students in professional programs in nursing, faculty, and alumni.

Psychology: Psi Chi. Encourages, stimulates, and maintains excellence in scholarship of the individual members in all fields, particularly in psychology, and to advance the science of psychology. Eligibility includes sophomores, juniors, seniors, and graduate students.

College of Humanities and Social Sciences

Anthropology: Lambda Alpha. The CSU Stanislaus chapter is Epsilon of California. Encourages and stimulates scholarship and research in Anthropology by recognizing and honoring superior achievement in the discipline among students, faculty and other persons engaged in the study of Anthropology.

Communication Studies: Lambda Pi Eta. Recognizes and encourages scholastic achievement and professional development in the field of communication studies. Eligibility includes sophomores, juniors, seniors, and graduate students.

Economics: Omicron Delta Epsilon, an international Honor Society. Promotes and acknowledges excellence in the field of economics and unites students and faculty who have a specific interest in economics. Eligibility includes juniors, seniors, and graduate students who have completed at least 12 units of economics coursework and have met specific academic requirements.

History: Phi Alpha Theta. Recognizes and encourages excellence in the study of history. Eligibility includes juniors, seniors, and graduate students.

Political Science: Pi Sigma Alpha. Stimulates scholarship and intellectual interest in political science. Eligibility includes juniors and seniors who have completed ten upper-division units in political science.

Sociology: Alpha Kappa Delta. Promotes an interest in the study of sociology, research of social problems, and such other social and intellectual activities as will lead to improvement in the human condition. Eligibility includes juniors, seniors, graduate students, and faculty.

Cooperative Education Program

Cooperative Education provides students with paid work experiences directly related to their major field of study and career objectives. Sophomores, juniors, and seniors with a GPA of at least 2.3 may be placed either in "alternating" assignments where they work full-time for a semester while enrolled for academic credit, or in "parallel" assignments where they work part-time and attend school concurrently. These job placements are coordinated by University faculty. Up to eight hours of academic credit earned through Co-op courses may be applied to graduation requirements.

Co-op students thus have opportunities to gain practical experience which complements their academic study and permits them to explore actual career options before graduation. In these assignments co-op students earn competitive income and often are subsequently hired full-time by their employers. Placement of students in Cooperative Education appointments is the responsibility of the appropriate academic department through which the student registers for Cooperative Education credits.

Internships

Many academic departments at CSU Stanislaus offer internship opportunities to undergraduate and graduate students. Placements in a variety of private, non-profit, and public agencies are designed to encourage both pre-professional training and the integration of field and classroom experiences. Interested students should contact their academic advisers.

Community Service and Service Learning

The Office of Service Learning, located in the Faculty Development Center, assists faculty and students with the development of service learning opportunities. A principal goal of service learning is the promotion of student learning through active participation in meaningful service directly related to course content. This means students spend various amounts of time in community organizations working with real people with real needs. The Office of Service Learning can recommend course options with a service component, volunteer sites as well as faculty and student resources available to encourage active learning both in the classroom and the community. Please call (209) 667-3311 for additional information.

University Extended Education

University Extended Education (UEE) provides inviting, engaging, and transformative lifelong learning experiences that promote educational success and strengthen the personal and professional growth of its students. For additional information on UEE's mission or program offerings, call (209) 667-3111, or stop by the office at Mary Stuart Rogers Building 240. You may also visit the Web site at www.ExtendedEd.com.

Technology Training: University Extended Education operates the Learning and Technology Training Center located in the Educational Services Building. This Center serves as one of the most modern multimedia classrooms in Central California. Residents from Stanislaus and the adjoining counties enjoy this modern training center designed and operated to meet their continuing needs to learn new software, strengthen existing skills, and learn the essential information necessary to earn software certifications.

Open University: This UEE program opens the doors to university classes for students who are not formally admitted and enrolled in the University. The Open University program serves as many things: an invitation to try out the University, a resource for those who need a class for personal or professional development, or a second chance for low GPA students. Students may only enroll on a space-available basis and with the permission of the instructor in any regularly scheduled course offered by the University. Since enrollment is permitted on a space-available basis, enrollment approval is given on the first day of instruction. If a student wishes to have credit applied toward a degree, a maximum of 24 units is allowable for a baccalaureate degree.

Certificate Programs: UEE offers intensive, one- to two-semester certificate programs that provide core knowledge in a specific field or skill set. UEE offers an array of certificate programs for professional development in business, computers, medical, and legal topics. These programs award students continuing education units and certificates upon successful completion. Please call or visit the Web site for a current schedule.

Personal Development: UEE also provides opportunities for students to participate in courses focused on personal development. Through a partnership with leading e-learning providers, UEE now offers an extensive library of online, non-credit courses. Courses focus on building specific skills and are offered in a variety of topics such as computers, the Internet, writing, and special interest.

Contract Courses: Organizations planning continuing education courses using their own instructors may contract with UEE to offer extension credit for approved off-campus courses.

Teacher Education: For teacher education needs, UEE offers a variety of options. Test preparation classes and substitute teacher workshops are offered for those looking to enter the teaching field. For those currently teaching and needing extension credits, UEE offers computer-based teacher education, which covers pertinent topics and awards credit.

Corporate Resource Services: Workforce development is a core program area for UEE. UEE offers customized on-site training programs for area businesses and government agencies. Organizations that wish to upgrade their work force, acquire knowledge and skills in a specific field, stay current with new developments, improve customer service, or need specialized training will benefit from this distinctive program.

CSU Stanislaus-Stockton Center

California State University, Stanislaus-Stockton Center is a proponent of higher education's role in improving the economic, social, and cultural life of San Joaquin County.

Located within University Park at 612 East Magnolia Street in Stockton, California, CSU Stanislaus-Stockton Center is an off-campus site of California State University, Stanislaus. The Stockton Center offers upper-division and graduate courses at flexible hours that earn full academic credit and lead to selected baccalaureate and master's degrees and credentials. It has computer lab facilities, a library access center, a student information center, student lounge, exercise room, game room, health services, bookstore, and several beautifully landscaped courtyards for informal student and faculty gatherings. The Stockton Center provides selected student services including admissions information, academic advising, financial aid, graduation evaluations, career planning, teaching credential analysis, cashiering, WPST testing, and writing tutoring. Office hours are from 8 a.m.-7 p.m. Monday-Thursday and 8 a.m.-5 p.m. Friday. For more information, please call (209) 467-5300 or visit the Website at <http://stockton.csustan.edu>.

Working with other institutions, CSU Stanislaus-Stockton Center offers collaborative initiatives and programs to benefit the community. It provides an opportunity to create a unique environment for learning and to form partnerships in the Stockton area and beyond. During the more than thirty years that CSU Stanislaus has been a presence in Stockton, it has developed productive relationships with other institutions and organizations.

Degree programs currently offered at CSU Stanislaus-Stockton Center include:

Bachelor of Arts

- Child Development
- Communication Studies
- Criminal Justice
- History
- Liberal Studies concentrations in Child Development, Communication Studies and History (Students should consult with their academic adviser regarding course offerings in Stockton. Coursework on the Turlock campus may be required.)
- Psychology—Concentration in Developmental Psychology
- Social Sciences (selected concentrations)

Bachelor of Science

- Business Administration
(concentrations in Accounting and General Business)
- Nursing (RN to BSN)

Master's Degrees

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

Credentials

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

Business Administration

The College of Business Administration also offers undergraduate and graduate courses toward the B.S. in Computer Information Systems and the Master of Business Administration (MBA) degrees at the Stockton Center.

Accreditation: Degree programs offered at CSU Stanislaus-Stockton Center 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 Center, are accredited by their speciality organizations:

College of Business Administration — the Association to Advance Collegiate Schools of Business (AACSB International)

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 — National League for Nursing

Social Work — Council on Social Work Education

Admission

CSU Stanislaus admits qualified high school graduates and transfer students from two-year colleges and four-year institutions for coursework leading to a baccalaureate degree. Postbaccalaureate students also may be admitted to take coursework for personal or professional growth or to earn a second major or degree.

Steps in the Application Process

1. Send a complete, accurate and timely application.

Students are encouraged to apply online at www.csumentor.edu. A paper version of the application may be downloaded at www.csustan.edu. The CSUMentor system allows students to browse through general information about CSU's twenty-three campuses, view multimedia campus presentations, send and receive electronic responses to specific questions, and apply for admission and financial aid. A limited number of copies are distributed to area high schools and community colleges. Students can see their high school counselor or community college career center to obtain a copy of the application. An application will be mailed if students call (209) 667-3070.

The \$55 nonrefundable application fee can be paid by credit card or by a check or money order payable to "The California State University." The application and fee may not be transferred or used to apply for another term. Students may indicate an alternate campus and major on the application. Generally, an alternate major will be considered at the first-choice CSU campus before an application is redirected to an alternate-choice campus.

Students must supply complete and accurate information on the application for admission, residence questionnaire, and financial aid forms. They must also submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of academic credit, suspension, or expulsion (*Section 41301 of Title 5, California Code of Regulations*).

Requirements for admission to CSU Stanislaus are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is at www.csumentor.edu/planning/

Priority Application Filing Periods

Term	Applications First Accepted	Student Notification Begins
Summer	February	March
Fall	October	January
Winter	June	July
Spring	August	September



Each CSU campus accepts applications until capacity is reached. Many campuses limit admission in an enrollment category because of overall enrollment limits. See Impacted Programs in the Appendix.

2. Await an acknowledgement of the application.

Students will receive an automatic confirmation if they submit their application electronically. Paper applications will be acknowledged within two to four weeks from receipt. Notification that space has been reserved may also include a request to submit additional records necessary for the campus to evaluate academic qualifications. If the application was filed during the priority filing period (see section above), students may be assured admission to the University provided the evaluation of academic records indicates completion of all admission requirements. Unless specific written approval states, this admission notice is not transferable to another term or campus.

3. Send transcripts and test scores.

Students must request an official transcript from (1) the last high school attended and (2) each college and university at which they registered. These should be sent directly to the Enrollment Services Office. Transcripts presented by students cannot be accepted unless in a sealed institutional envelope. If applicable, General Educational Development (GED) examination results and California High School Proficiency Examination Certificates must be submitted in addition to available high school records.

Applicants who are in attendance at a school or college when transcripts are requested must file a transcript which includes verification of the subjects in which they are currently enrolled. After applicants have completed these subjects, they must notify the school or college to forward two supplementary transcripts showing the final grades for that term.

No determination of admission eligibility will be made until all transcripts are received. Official transcripts must include a complete record of all previous high school and college work attempted whether or not the applicant desires credit. A separate official transcript is required from each college attended even though one transcript may show work completed at another college. All records submitted become the property of the University. Records submitted by students who do not enroll are retained for only one year.

Returning Students

Former students of CSU Stanislaus who are returning after graduation or any absence are required to submit official and complete transcripts covering attendance at any other college after enrollment at CSU Stanislaus.

Students seeking to enroll for extension or open university courses are not required to file official transcripts. Subsequent admission to the University's degree, credential, or certificate programs will require completion of regular admission procedures. For more information call (209) 667-3111.

SAT and ACT

Freshman and transfer applicants with fewer than 60 semester (or 90 quarter units) of transferable college credit must submit scores, unless exempt, from either the American College Test (ACT) or the SAT Reasoning Test of the College Board.

(See Appendix for Eligibility Index tables.) Test scores are also used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from high school or college counselors, from a CSU campus testing office, at www.csustan.edu/testing, or from:

The College Board Headquarters (SAT)
45 Columbus Avenue
New York, NY 10023
Phone: (212) 713-8000
www.collegeboard.com

American College Testing Program (ACT)
Registration Unit, P.O. Box 414
Iowa City, Iowa 52243-0414
(319) 337-1270
www.act.org

Special institutional administrations of the SAT Reasoning Test will be arranged for CSU Stanislaus applicants. Contact the University Testing Office, (209) 667-3157, or for additional information visit the Web site www.csustan.edu/testing.

Verification of English Proficiency

All undergraduate applicants, regardless of citizenship, who have not attended schools at the secondary level or above for at least three years full-time where English is the principal language of instruction must provide verification of English proficiency by submitting one of the following:

Test of English as a Foreign Language (TOEFL)
TOEFL Paper Test: 500 or above with part scores of 50 or above
TOEFL CBT: 173 or above with part scores of 17 or above
TOEFL iBT: 61 or above with part scores of 15 or above

International English Language Testing System (IELTS)
IELTS: 6 or above with part scores of 6 or above

English Language Proficiency Test (ELPT)
ELPT: 955 or above

Advanced Placement International English Language (APIEL)
APIEL: 3 or above

ACT English score: 24 or higher

SAT Verbal score: 550 or higher

CSU Stanislaus English Placement Test (EPT): 151 or higher

Completion and transfer of a course that satisfies the CSU General Education-Breadth or Intersegmental General Education Transfer Curriculum (IGETC) written communication requirement with a grade C or better.

4. Receive Notice of Admission

The sooner students submit a complete application, the sooner their eligibility for admission can be determined. Once evaluators have confirmed eligibility, students will be mailed an admission packet with information on conditions for admission, if any, New Student Orientation, advising, answers to frequently asked questions, registration, immunization and an enrollment checklist.

Provisional admission CSU Stanislaus may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned for the senior year. The campus will monitor the senior year of study to ensure that admitted students complete their senior year satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all coursework has been satisfactorily completed. Official high school transcripts must be received prior to the deadline set by the university. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A campus may rescind admission decisions, cancel financial aid awards, and cancel any university registration for students who are found not to be eligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admission when the university verifies that they have graduated and received a diploma from high school, have a qualifiable minimum eligibility index, have completed the comprehensive pattern of college preparatory "a-g" subjects, and, if applying to an impacted program, have met all supplementary criteria.

Ineligible Undergraduates Undergraduates not admissible (see Admission Requirements in the following section) should enroll in a two-year college or other appropriate institution, or consult the Enrollment Services Office. Permission is granted only by special action under the most unusual circumstances, and the law limits exceptions.

Hardship Petitions The campus has established procedures to consider applicants who would be faced with severe hardship if not admitted. Petitioners should write the Associate Director of Admissions.

Readmission A former CSU Stanislaus undergraduate student wanting to re-enroll may register for courses without filing an application for readmission if both of the following apply: (1) the student was enrolled for residence credit coursework after the Enrollment Census Date for any semester or term in the 12 months immediately preceding the start of the term of desired re-enrollment; and (2) the student has not transferred to another college/university, or graduated from CSU Stanislaus, or another college/university since last enrolled at CSU Stanislaus.

The Enrollment Census Date is defined as the 20th instructional day in fall and spring semesters and the 6th day of instruction in winter term, and the last day to drop a course for summer term. 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 to continue their enrollment at CSU Stanislaus. All other former students seeking enrollment must submit an application for readmission and pay a \$55 application fee. Late Application filing period will be assessed a \$15 late fee in addition to the \$55 application fee.

Reservation The University reserves the right to select its students and deny admission to the University or any of its programs as the University, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the University.

Admission Requirements

Admission as a First-Time Freshman

To qualify for regular admission an applicant must:

1. Be a high school graduate,
2. Have a qualifiable eligibility index (see section below), and
3. Have completed with grades of C- or better the courses in the comprehensive pattern of college preparatory subject requirements. (See Subject Requirements in the following section.) Courses must be completed prior to the first enrollment in the California State University.

Eligibility Index

The eligibility index is the combination of a high school grade point average (GPA) and the score on either the ACT or the SAT of the College Board. The GPA is based on grades earned in courses taken during the final three years of high school. Included in calculation of GPA are grades earned in all college preparatory "a-g" subject requirements, and bonus points for approved honors courses. (See Honors Courses in the section that follows.)

Calculate your eligibility index by multiplying your grade point average by 800 and adding your total score on the critical reading and math sections of the SAT. Or, if you took the ACT, multiply the grade point average by 200 and add ten times the ACT composite score.

The ACT composite score can be calculated using the best scores earned in individual test dates. ACT Plus Writing score is not considered in the composite score.

For admission to terms during the 2007-2008 college year, the University has no plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

A California high school graduate (or a resident of California for tuition purposes) needs a minimum index of 2900 using the SAT, or 694 using the ACT; the Eligibility Index Table (see the Appendix) illustrates several combinations of required test scores and averages.

An applicant who did not graduate from a California high school and who is not a resident of California for tuition purposes needs a minimum index of 3502 SAT or 842 (ACT). Applicants with grade point averages above 3.00 (3.6 for nonresidents) who have satisfied all college preparatory subject requirements are exempt from the test requirements. However, all applicants are urged to take the SAT or ACT since all campuses use test results for advising and course placement purposes, and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for freshman admission.

Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

Honors Courses

Up to eight semesters of designated honors courses taken in the last three years of high school, including up to two approved courses taken in the 10th grade can be accepted. Each unit of A in honors courses will receive a total of 5 points; B, 4 points; C, 3 points.

Subject Requirements

The California State University requires that first-time freshman applicants complete, with grades of C- or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

A-G Subject Area Requirements

- A. History/Social Science: 2 years
 - One year of U.S. history or one-half year U.S. history and one-half year civics or American Government.
 - One year (two semesters) social science;
- B. English: 4 years
 - College preparatory - composition and literature
- C. Mathematics: 3 years
 - College preparatory - Three 1-year courses in beginning algebra, geometry, intermediate algebra, or algebra II
 - or by a 3-year-long sequence such as Math 1, 2, 3;
- D. Laboratory Science: 2 years
 - 1 year biological science with laboratory
 - 1 year physical science with laboratory (example: chemistry or physics);
- E. Foreign language: 2 years
 - Study in the same language (waiver available to students who can demonstrate foreign language skills equal to two years of high school foreign language);
- F. Visual and Performing Arts: 1 year
 - A year-long course to be selected from art, dance, drama/theatre, or music
- G. College Preparatory Electives: 1 year
 - To be selected from the above A-F areas and other courses approved and included on the UC/CSU "a-g" list.

Foreign Language

The foreign language subject requirement may be satisfied by applicants who demonstrate competence in a language other than English equivalent to, or higher than, expected of students who complete two years of foreign language study in the same language. Consult with your school counselor, or any CSU campus admissions or outreach and recruitment office.

Subject Requirement Substitution for Students with Disabilities

Applicants with disabilities are encouraged to complete college preparatory course requirements if possible. If judged unable to fulfill a specific course requirement due to a disability, they may substitute alternate college preparatory courses for specific subject requirements. Substitutions may be authorized on an individual basis after review and recommendation by a department chair in consultation with the director of a CSU Disabilities Resource Services program.

Failure to complete courses required for admission may limit later enrollment in certain majors, particularly those involving mathematics. For further information and substitution forms, call the director of Disabilities Resources Services. (Also refer to the Appendix.)

Adult Students

As an alternative to regular admission criteria, an applicant who is 25 years of age or older may be considered for admission as an adult student if all the following conditions are met:

1. Possesses a high school diploma (or has established equivalence through either the tests of General Educational Development or the California High School Proficiency Examination); and
2. Has not been enrolled in college as a full-time student for more than one term during the past five years; and
3. If there has been any college attendance, has earned a 2.0 (C) average or better in all attempted transferable coursework.

Consideration will be based upon a judgment as to whether the applicant is as likely to succeed as a regularly admitted freshman or transfer student and will include an assessment of basic skills in the English language and mathematical computation. A student should have completed the majority of high school college preparatory courses, or college remediation of these courses, and must demonstrate skills equivalent to eligible freshmen students to be admitted as an adult student. Appropriate college entrance examination scores must be submitted at the time of application.

CSU Visitors Program

Any student entitled to continued enrollment at one of the other 23 campuses of The California State University system may enroll at CSU Stanislaus as a visiting student for a term by following a simplified application procedure. Concurrent enrollment at two CSU campuses may similarly be approved. Students at CSU Stanislaus also may apply for visitor status at another CSU campus. CSU Visitor Status and CSU Concurrent Enrollment application forms are available from the CSU Stanislaus Enrollment Services Office and must be filed during the regular application filing period.

Visitor enrollment will be considered for students currently matriculated at other baccalaureate degree-granting colleges.

Senior Scholar Program

Enrollment in this program is limited to academically qualified California residents 60 years of age or older. See preceding Adult Students section. Those admitted to this program will register after regular students have registered for classes. A fee waiver will be granted if funding is available. Priority will be given to applicants not currently enrolled at CSU Stanislaus who intend to enroll in a full-time program with a degree or credential objective. Further information and applications are available from the Coordinator of Reentry Programs, (209) 667-3304.

Admission as Undergraduate Transfers

A transfer student with a grade point average of 2.0 (C) or better (nonresidents, 2.4 or better) in all transferable units attempted, is in good standing at the last college or university attended, and meets the listed standards will qualify for admission.

1. Has completed fewer than 60 transferable semester units (90 quarter units) and:
 - a. Meets the freshman admission requirements in effect for the term of application. (See "Admission as a First-Time Freshman" section.); or
 - b. Was eligible as a freshman at the time of high school graduation except for the subject requirements, has made up the missing subjects, and has been in continuous attendance at an accredited college since high school graduation.

Applicants who graduated from high school prior to 1988 should contact the Admission Office to inquire about alternative admission programs.

2. Has completed at least 60 transferable semester (90 quarter) units and meets the requirements listed below:
 - a. Has completed all four CSU-approved General Education requirements: speech communication, freshman English composition, critical thinking, and mathematics/ quantitative reasoning with a grade of C or better; or has completed the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.
 - b. Has completed at least 30 semester units of college coursework with a grade of C- or better in each course to be selected from courses in communication, arts and humanities, social science, science and mathematics at a level at least equivalent to courses which meet General Education requirements.

Transferable courses are those designated for baccalaureate credit by the college or university offering the courses. Please consult with any CSU admissions office for further information about alternative ways to satisfy the subject requirements.

California residents who are military service personnel or veterans may be considered under special admission requirements. See the section subtitled "Military Service Credit" further on in this chapter. Undergraduate transfers over 25 years of age should refer to the "Adult Students" section.

High School Advanced Placement Program

The CSU Stanislaus Advanced Placement Program supplements high school curriculum by opening university courses to qualified high school students, providing a gradual transition to higher education. Qualified students may enroll in any lower-division courses provided space is available and all course prerequisites are satisfied. See the course description section of this catalog about course prerequisites. Regular college credit will be awarded. Submission of a special application form each term is required for continued enrollment. Advanced Placement applicants are not required to take the ACT or SAT. Students may not enroll through Extended Education without prior Enrollment Services Office approval. No admission application fee is required. Regular registration fees are required. Inquiries should be addressed to the Associate Director of Admissions and Records, who is responsible for approving these applications.

High School Students

Students still enrolled in high school will be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given specific program and does not constitute the right to continued enrollment.

International Students

The CSU must assess the academic preparation of international students. It uses separate requirements and application filing dates in the admission of international students. Verification of English proficiency, financial resources, and academic performance are each important considerations for admission. Academic records from foreign institutions must be on file at least eight weeks before registration for the first term and, if not in English, must be accompanied by certified English translations.

All students with coursework from countries other than the United States are required to obtain and submit to CSU Stanislaus an evaluation of academic credentials performed by a credentials evaluation service. This kind of evaluation will convert educational credentials from any country in the world into their U.S. equivalents, and will help CSU Stanislaus make a prompt, well informed decision regarding admission and/or transfer credit. For more information, contact the Office of International Education at 209-667-3117.

Priority in admission is given to residents of California. There is little likelihood of nonresident applicants, including international students, being admitted either to impacted majors or to those majors or programs with limited openings.

Student and Exchange Visitor Information System (SEVIS)

To help facilitate the timely reporting and monitoring of international students in the United States, the Department of Homeland Security (DHS), formerly the Immigration and Naturalization Service (INS), has implemented the Student and Exchange Visitor Information System (SEVIS). SEVIS provides tracking, monitoring, and access to current information on non-immigrant students (F and M visas) and exchange visitors (J visas). SEVIS enables the University to transmit electronic information via the Internet to the U.S. Immigration and Customs Enforcement (ICE). The ICE requires CSU Stanislaus to report on a timely basis the occurrence of certain events. International students at CSU Stanislaus are required to immediately report the following to the Office of International Student Services:

Change of name;
 Change of degree objective;
 Change of address, phone number, or e-mail;
 Failure to enroll;
 Graduation prior to the end date cited on the Form I-20;
 Dropping below a full course of study without prior authorization;
 Failure to maintain status or complete student's program;
 Beginning and ending dates for optional practical training (OPT) authorization;
 Work authorizations;
 Any disciplinary action taken by the school against the student as a result of his/her being convicted of a crime.

Questions and concerns may be addressed by the Enrollment Services Office at (209) 667-3152 or the Office of International Education (209) 667-3117.

Health Insurance

As a condition of receiving an I-20 or DS2019 form, all F-1 and J-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in the California State University. Such insurance must be in amounts as specified by the United States Information Agency (USIA) and NAFSA: Association of International Educators. The campus president or designee shall determine which insurance policies meet these criteria. Call the Office of International Education at (209) 667-3117.

Steps in the Enrollment Process

1. Evaluation of Transfer Credit
2. New Student Orientation
3. Health Screening
4. Systemwide Placement Tests (EPT, ELM)
5. Registration

1. Evaluation of Transfer Credit

The Enrollment Services Office will evaluate previous college work as it relates to the requirements of CSU Stanislaus. Each student seeking a degree will be issued an Evaluation of Transfer Credit which will serve as a basis for determining the remaining requirements for the student's specific objective. The evaluation remains valid as long as the student matriculates for the term specified, pursues the objective declared, and remains in continuous enrollment. The student will not be obligated to meet additional graduation requirements unless such requirements become mandatory as a result of changes in the California Code of Regulations. (See Catalog Year for Graduation Requirements.)

Because of these regulations, a student should notify the Enrollment Services Office of any change in degree objective specified on a transfer credit evaluation. (See Declaration or Change of Degree Objectives.) While students may follow the specific catalog year academic requirements on which their transfer credit evaluation is based, they will be held responsible for complying with all changes in other regulations, policies, and procedures which may appear in subsequent catalogs and Schedule of Classes.

CSU Stanislaus grants credit to students who pass examinations approved for credit systemwide. These include Advanced Placement Examinations (no maximum unit limitation), International Baccalaureate Examinations (no maximum unit limitation), DANTES courses (24-unit maximum) and College Level Examination Program (CLEP) examinations (30-unit maximum). Unit credit may be allowed for CLEP examinations. Credit is also given for passing examinations of the Advanced Placement Program of the College Board. See the Appendix for detailed information.

International Baccalaureate Credit

1. International Baccalaureate examination results must be sent directly to the Enrollment Services Office for credit consideration.
2. Higher level International Baccalaureate courses on the UC "A-G" college preparatory lists are considered Honors courses and for admission purposes carry an extra grade point in admission eligibility calculation for A, B, or C grades. Additional honor grade points cannot be included if they raise the grade point average above a 5.00. Honors points are calculated for 11th and 12th grades, including up to two 11th grade International Baccalaureate (IB), Advanced Placement (AP), or honors courses with 11th or 12th grade course content in 10th grade, and are limited to a maximum of eight semester courses.
3. A student who has earned the International Baccalaureate diploma (not the certificate) will be eligible for admission as a first-time freshman regardless of other qualifications.
4. Six units of ungraded advanced standing credit including General Education credit will be allowed for any Higher Level Examination passed with a score of 4 or higher.
5. Entering freshmen may be eligible for sophomore standing by completing the full IB diploma.
6. A lesser amount of additional credit will be considered in some subjects for Standard (subsidiary) Level examinations (e.g., Foreign Language).

7. Higher Level Examinations to be considered for meeting CSU Stanislaus General Education subject requirements include:
- Area A English Composition
 - Area B Biology, Chemistry, Mathematics, Physics
 - Area C Art, Foreign Language, Music, Philosophy, Theatre Arts, World Literature
 - Area D Anthropology, Economics, Geography, U. S. History, Psychology
 - Area E Computer Science

When applying to CSU Stanislaus, students who have completed IB examinations should arrange to have the International Baccalaureate Office forward an official report of their scores to the Enrollment Services Office in order to receive credit. Questions about IB college credits or about the admissions process should be directed to the Outreach and Recruitment Department at (209) 667-3070 or toll-free at 1-800-300-7420.

Challenge Examinations

Students may challenge courses by passing examinations developed at the campus. Contact the Enrollment Services Office at (209) 667-3264 for current credit-by-examination information.

Course credit earned through the University's on-campus Advanced Placement Program for High School Students or from early entrance programs at other colleges will be recognized by CSU Stanislaus as regular credit. (See Admission Requirements.)

Transfer of Credit from a Community College

Transferable courses are defined as those officially certified as baccalaureate level by the regionally accredited college at which the courses were taken. No upper-division credit may be allowed from a two-year college, nor may credit be allowed for professional courses in education. Transfer credit is limited to 6 units for introduction to education courses. The University accepts a maximum of 70 semester units of credit from two-year colleges. Additional lower-division courses may be taken at the University for full credit even after 70 units have been earned. Admission as an upper-division student may be allowed even if all General Education requirements have not been completed.

Credit for Noncollegiate Instruction

CSU Stanislaus grants undergraduate degree credit for successful completion of noncollegiate instruction, either military or civilian, appropriate to the baccalaureate, that has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education.

The number of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs. Such credit is designated as provisional. Regular credit may be granted upon adviser recommendation, departmental endorsement, and completion of 24 semester units at CSU Stanislaus with a 2.0 (C) grade point average or better.

Distance Learning Courses

Credit is granted for all transferable credit-bearing distance learning courses (whether electronic, television-based, or print and mail-based) completed at regionally accredited postsecondary colleges and universities in the United States with the exception being the 70 semester unit limit on community college credit. Students must have official transcripts forwarded to the Enrollment Services Office. The appropriate academic departments shall determine the nature of the subject credit for degree requirements at CSU Stanislaus. Students may be required to provide additional information to assure the work offered for credit is of sufficient quality compared with the curricula and standards to meet degree requirements at CSU Stanislaus.

Extension and Correspondence Courses

The maximum credit for correspondence and extension courses which may be allowed toward the bachelor's degree is 24 semester units.

Military Service Credit

Veterans who desire to have their military records evaluated for credit should submit a copy of their DD Form 214 (separation papers), or DD Form 295 (Application For The Evaluation of Learning Experiences During Military Service), and transcripts of courses taken at military service schools to the Enrollment Services Office. A maximum of six semester units may be granted, fulfilling the requirement for General Education Areas E.1 and E.2. (See Credit for Noncollegiate Instruction.)

Prior Coursework

Coursework completed ten years before enrollment at CSU Stanislaus is designated provisional credit primarily to alert the student and academic adviser that course scheduling adjustments may be warranted. Regular credit for this coursework will be allowed based on adviser recommendation after satisfactory completion of 24 units at the University.

Veterans Benefits

Veterans who are planning to use veterans' educational benefits must file a copy of their DD Form 214 (separation papers) or DD Form 295 (Application For The Evaluation of Learning Experiences During Military Service) at the Veterans Services Office located in MSR 120. Prompt submission of these records are required if Veterans educational benefits are being requested.

Veterans, dependents of veterans, reservists, and active duty military personnel planning to use veterans educational benefits, or any student with questions concerning veterans educational benefits can obtain information at www.csustan.edu/EnrollmentServices/VeteransAffairs or by contacting a Veterans Services representative in the Enrollment Services Office, (209) 667-3081.

Workshop Credit

Workshop credit does not substitute for course credit in a credential sequence and will not be applied toward the General Education, major, or minor degree requirements of the University. Such credit may be applied toward a bachelor's degree only as elective units. Workshops (formerly numbered 4920 to 4929) at CSU Stanislaus are open to both undergraduate and postbaccalaureate students.

2. New Student Orientation

As a newly admitted student, you will be provided a transfer credit evaluation at the New Student Orientation, which are held throughout the year. You are required to attend the orientation, which is the only way to register for classes prior to the start of the semester. Orientation is designed to smooth your transition to college. You will receive an opportunity to be advised by knowledgeable University faculty, meet friendly upperclassmen, tour the campus, and become acquainted with the many services, activities, and special programs available to students. For more information, visit the Advising Resource Center at Mary Stuart Rogers Building, Room 180, or call (209) 664-6757. A packet to register for orientation will be mailed to you.

3. Health Screening

Entering CSU students are required to present proof of the following immunizations before beginning their first term of enrollment. All incoming freshmen who will reside on campus are required to return a form indicating they have received information about meningococcal disease and the availability of preventive vaccine, and whether they chose to be vaccinated. These are not admission requirements, but are required as conditions of enrollment in CSU Stanislaus.

Immunization

Measles/Rubella All new and readmitted students born on or after January 1, 1957 must provide proof of two immunizations for measles (rubeola) and rubella prior to their first enrollment. Proof of such immunization (or immunity) is also required for certain students, regardless of age, who have increased exposure to these diseases. These include: students who live on campus, or who attended primary and secondary schools outside the United States, or who are enrolled in any practicum, student teaching, or field work involving pre-school age children or taking place at a hospital or health care setting.

Hepatitis B All new enrollees 18 years old and younger must provide proof of having completed a three-dose series of immunizations against Hepatitis B prior to their first enrollment. This series is generally given over a 4- to 6-month period.

Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination. These are not admission requirements, but are required of students as conditions of enrollment in CSU.

Note: Proof of these requirements must be submitted by mail, fax or drop box to the Student Health Center. Fax: (209) 667-3195. Phone: (209) 667-3396. If you fail to provide this proof during the first semester, a HOLD may be placed on your records, thereby preventing registration for classes the next semester. For more information, see the Web site at www.healthcenter.csustan.edu

4. Systemwide Placement Tests

The CSU requires that each entering undergraduate, except those who qualify for an exemption, be tested in English and mathematics as soon as possible after admission and before New Student Orientation.

These are not admission tests, but a way to determine whether a student is prepared for specific college coursework and, if not, to counsel the student in strengthening preparation in these areas. A student might be exempt from one or both of the tests due to scoring well on other specified tests or completion of appropriate courses. Students may access information on test dates and registration materials online at www.csustan.edu/testing.

Failure to take the English Placement Test (EPT) or Entry Level Mathematics Test (ELM) when required may lead to administrative probation, which according to Section 41300.1 of Title 5, California Code of Regulations, and CSU Executive Order 665, may lead to disqualification from future attendance. If the results of the ELM/EPT examinations indicate that the student needs to register for a remedial course(s), the student must take and pass the course(s) within one year of initial University registration. Students who have not completed remediation requirements in the 12-month limit will be academically disqualified.

Early Assessment Program

The Early Assessment Program (EAP) is an academic preparation program to help high school students determine if their English and math skills are on target to succeed at a California State University.

The optional EAP college-readiness exams are given in the spring semester of the 11th grade as part of the required California Standards Tests (CSTs). Before the start of the senior year of high school, students and their high school will receive a report indicating their readiness for college-level English and mathematics. Based on the test results, students may be exempt from the required CSU English and/or math placement tests, or they may learn of the need to adjust their senior-year coursework to prepare for the CSU. Those who have earned exemptions from the placement tests can enroll in college-level coursework without having to take remedial classes that do not count toward a bachelor's degree.

For more information, students can talk to their high school counselor and explore the Web sites below:

www.calstate.edu/eap
www.csumathsuccess.org
www.csuenglishsuccess.org

CSU English Placement Test (EPT)

The CSU English Placement Test must be completed by all non-exempt undergraduates prior to attending a New Student Orientation. Information bulletins and registration materials for the EPT will be mailed to all students subject to the requirement. The materials may also be obtained from the University Testing Office. Inquiries regarding the application of these policies should be directed to the Advising Resource Center at MSR 180, (209) 667-3304.

The EPT is designed to assess the level of reading and writing skills of entering lower-division students so they can be placed in appropriate courses. Those students who do not demonstrate college-level skills will be directed to remedial courses or programs until they remove identified deficiencies. Learning disability inquiries should be directed to the staff in the Disabilities Resource Center, MSR 210, (209) 667-3159.

Who must take the EPT?

1. Unless a student qualifies for one of the EPT exemptions listed below, it is necessary that the student take the EPT before attending a New Student Orientation or registering for any courses at CSU Stanislaus. Registration for General Education ENGL 1001 Freshman Composition is permitted only if the EPT score is at least 148, or an approved CSU Stanislaus prebaccalaureate composition course has been satisfactorily completed, or an exemption from the EPT is approved.
2. If the score on the EPT is not at least 148, the student must, in the term of enrollment, enroll in an appropriate course of remedial study. Then upon completion, the student may enroll in a required General Education English Composition course. (See course placement requirements section.)
3. Required remedial courses must be taken the first and each subsequent term at the University until the prerequisites to General Education courses have been satisfied.
4. Full remediation of all English entrance deficiencies must be completed within one year of initial University registration to avoid academic-administrative disqualification from enrollment.

EPT Exemption requires proof of one of the following:

1. A score of "Exempt" on the augmented English CST, i.e., the CSU Early Assessment Program (EAP), taken in grade 11; or
2. A score of 3, 4, or 5 on either the Language and Composition, or the Composition and Literature examination of the College Board Advanced Placement Program; or
3. A score of 24 or above on the enhanced ACT English Test taken October 1989 or later; or
4. A score of 550 or above on the Verbal section of the College Board SAT I Reasoning Test taken on or after April 1, 1995; or
5. A score of 680 or above on the re-centered and adjusted College Board SAT II Writing Test taken May 1998 or after; or
6. For transfer students, completion and transfer to the CSU of a college course that satisfies the General Education Breadth requirement Area A2, or the Intersegmental General Education Transfer Curriculum (IGETC) requirement in English composition (Area I, Group A), provided that in each case the course was completed with a grade of C- or better.

Undergraduates admitted with 60 or more transferable semester units who are subject to a campus catalog or bulletin earlier than 1986-87 are not required to complete the EPT.

EPT Course Placement Requirements

Scores on the EPT determine which entry-level composition class students may take. Eligibility is determined according to the table below:

EPT Score	EPT Placement
0-147	ENGL 1000
148 and above	ENGL 1001/1002 First-Year Composition

CSU Entry-Level Mathematics Test (ELM) and Mathematics Competency for Graduation

The ELM examination tests for entry-level mathematics skills acquired through three years of rigorous college preparatory mathematics course work (normally Algebra I, Algebra II, and Geometry). Information bulletins and registration materials for the ELM will be mailed to all students subject to the requirement. The materials may also be obtained from the University Testing Office. An Entry-Level Mathematics Workbook is available from Kiva Bookstore or the Library to assist students in preparing for the ELM test. All undergraduate students must take the test or be exempted from it prior to placement in appropriate university mathematics coursework.

1. Unless a student qualifies for one of the approved ELM test exemptions listed below, the student is required to take the ELM test before attending a New Student Orientation or registering for any courses at CSU Stanislaus. A student may not enroll in any required General Education or other baccalaureate-level mathematics course unless the student has passed the ELM test or earned an exemption from taking it. (See ELM placement scores, below.)
2. If the student takes but does not pass the ELM test (and does not have an exemption from it), the student will be required to enroll in an appropriate course of remedial study in the first term of enrollment culminating in the passing of MATH 0106 or 0110, Intermediate Algebra, at CSU Stanislaus or retake and pass the ELM test. After passing MATH 0106 or 0110 at CSU Stanislaus the student will be eligible to take a General Education mathematics course and will not have to take the ELM again.
3. A student may satisfy the mathematics competency requirement for graduation by passing the ELM test or by passing MATH 0106 or 0110 as specified above, or by passing, with a C- grade or better, a mathematics course that satisfies the General Education-Breadth Requirement in Quantitative Reasoning.

Note: Students with learning disabilities related to mathematics should refer to the Appendix of this catalog for the Learning Disabled Student General Education Breadth Requirement waiver policy

ELM Exemption requires proof of one of the following:

1. A score of “Exempt” on the augmented mathematics California Standards Test (CST), i.e., the CSU Early Assessment Program (EAP), taken in grade 11; or
2. A score of “Conditionally Exempt” on the augmented CST, i.e., the CSU Early Assessment Program (EAP), taken in grade 11 and the completion of an appropriate senior year experience with a grade of C- or better; or
3. A score of 3 or above on the College Board Advanced Placement Calculus examination (AB or BC) or Statistics examination;
4. A score of 550 or above on the mathematics section of the College Board SAT Subject Tests-Mathematics Test Level I, IC (Calculator), II, or IIC (Calculator); or
5. A score of 23 or above on the ACT Mathematics Test; or
6. For transfer students, completion and transfer to the CSU of a college course that satisfies the General Education Breadth requirement, or the Intersegmental General Education Transfer Curriculum requirement in quantitative reasoning and provided in each case the course was completed with a grade of C- or better before attending courses at CSU Stanislaus.

ELM Course Placement Requirements

Interpretation of ELM Scores for those who took the ELM Test after March 2002.

ELM Score	ELM Placement
0-32	Enroll in MATH 0103, Pre-Algebra, or retake and pass the ELM
34-48	Math, Science, or Computer Science Major MATH 0110, Intermediate Algebra for Math/Science Other Major MATH 0106, Intermediate Algebra for Non-Math/Science
50-80	ELM pass; enroll in G.E. Mathematics

Enroll in the following courses based on the student’s academic major:

5. Registration

Students may register, add or drop courses, or withdraw from the University via the Web Registration System. This system is the only way to register for classes during the Priority Registration Appointment Period. After the Priority Registration period ends, students may also register in person at the Enrollment Services Office.

For the most current and complete instructions for the use of the Web Registration System and registration dates and deadlines, refer to the current “Schedule of Classes” at <http://www.csustan.edu/classschedule>.

At the start of each term, students should verify the completeness and accuracy of all of their intended enrollment transactions through the Web Registration System. Students who register late may find themselves handicapped in arranging their programs. Those who register after a term begins must pay a \$25 late registration fee. A student who unofficially drops a course, or leaves CSU Stanislaus without officially dropping courses or withdrawing from the University through the Enrollment Services Office, may receive grades of WU, F, or NC. A student who attends a course without officially adding it through the Enrollment Services Office by the last day to add a course will not receive credit for the course.

Students who do not attend the first class meeting after registering for a course may be dropped from the course by the instructor. However, a student will be held personally responsible for officially dropping unwanted courses through the Enrollment Services Office by the deadline to drop courses. (Refer to the section on “Instructor Withdrawal” in the Academic Policies and Procedures section.) Registration appointments are determined by units completed within class level in the following order: seniors, students in master’s and credential programs, freshmen, juniors, sophomores, and unclassified postbaccalaureate students.

California Articulation Number

The California Articulation Number (CAN) System identifies some of the transferable lower-division, introductory courses commonly taught within each academic discipline on college campuses. The system assures students that CAN courses on one participating campus will be accepted “in lieu of” the comparable CAN course on another participating campus. Each campus retains its own numbering system. The California Articulation Numbers are listed parenthetically by the course description in the academic department sections of this catalog. Check with the University Articulation Officer, (209) 667-3886, for lists of participating campuses and courses.

CAN.....CSU Stanislaus

CAN AJ 2.....	CJ 2250
CAN AJ 6.....	CJ 2260
CAN AJ 4.....	CJ 2280
CAN AJ 8.....	CJ 2270
CAN ANTH 2.....	ANTH 2080
CAN ANTH 4.....	ANTH 2060
CAN ANTH 6.....	ANTH 2090
CAN ART 2.....	ART 2515
CAN ART 4.....	ART 2520
CAN ART 6.....	ART 1340
CAN ART 8.....	ART 1010
CAN ART 14.....	ART 1100
CAN ART 16.....	ART 1200
CAN BIOL 4.....	ZOOL 1050
CAN BIOL 6.....	BOTY 1050
CAN BIOL 10.....	ZOOL 2250
CAN BIOL 12.....	ZOOL 2230
.....	& 2232
CAN BUS 2.....	ACC 2110
CAN BUS 4.....	ACC 2130
CAN BUS 6.....	CIS 2000
CAN BUS 12.....	BLW 2060
CAN CHEM 2.....	CHEM 1100
CAN CHEM 4.....	CHEM 1110
CAN CHEM 12.....	CHEM 2010
CAN CSCI 8.....	CIS 2010
CAN ECON 2.....	ECON 2500
CAN ECON 4.....	ECON 2510
CAN ENGL 2.....	ENGL 1001
CAN ENGL 8.....	ENGL 2100
CAN ENGL 10.....	ENGL 2110
CAN ENGL 14.....	ENGL 2200
CAN ENGL 16.....	ENGL 2210
CAN FREN 2.....	FREN 1010
CAN FREN 4.....	FREN 1020
CAN FREN 8.....	FREN 2010
CAN FREN 10.....	FREN 2020
CAN GEOG 2.....	GEOG 2010
CAN GEOG 4.....	GEOG 2020
CAN GEOL 2.....	GEOL 2100
.....	& 2102
CAN GEOL 4.....	GEOL 2200

CAN.....CSU Stanislaus

CAN GOVT 2.....	PSCI 1201
CAN HIST 14.....	HIST 1010
CAN HIST 16.....	HIST 1020
CAN JOUR 2.....	JOUR 2150
CAN JOUR 4.....	COMM 2200
CAN MATH 2.....	MATH 1000
CAN MATH 4.....	MATH 1030
CAN MATH 12.....	MATH 1500
CAN MATH 16.....	MATH 1100
CAN MATH 18.....	MATH 1410
CAN MATH 20.....	MATH 1420
CAN MATH 22.....	MATH 2410
CAN MATH 26.....	MATH 2530
CAN MATH 30.....	MATH 1910
CAN MATH 32.....	MATH 1920
CAN MUS 2.....	MUS 1220
.....	& 1320
CAN MUS 4.....	MUS 1230
.....	& 1330
CAN PHIL 2.....	PHIL 1010
CAN PHIL 4.....	PHIL 2400
CAN PHIL 6.....	PHIL 2100
CAN PHIL 8.....	PHIL 2200
CAN PHIL 10.....	PHIL 2230
CAN PHYS 2.....	PHYS 2100
CAN PHYS 4.....	PHYS 2110
CAN PHYS 8.....	PHYS 2250
.....	& 2252
CAN PHYS 12.....	PHYS 2260
.....	& 2262
CAN PHYS 14.....	PHYS 2270
.....	& 2272
CAN PSY 2.....	PSYC 2010
CAN SOC 2.....	SOC 1010
CAN SPAN 2.....	SPAN 1010
CAN SPAN 4.....	SPAN 1020
CAN SPAN 8.....	SPAN 2010
CAN SPAN 10.....	SPAN 2020
CAN SPCH 4.....	COMM 2000
CAN SPCH 10.....	COMM 2110
CAN STAT 2.....	MATH 1600



Fees

Estimated expenses for the 2007-2008 academic year include \$3,307 for resident fees, \$8,757 for room and board, and \$4,185 for books and incidentals, bringing the total to \$16,249. Non-California residents pay an additional \$10,170 for full-time tuition (\$339.00 per unit). CSU Stanislaus participates in the Western Undergraduate Exchange program which can qualify students from participating western states for reduced nonresident tuition.

	Fall/Spring	Winter
State University Fee > 6 units	1317.00	138.00
< or = 6 units	735.00	138.00
Associated Students, Inc.	48.50	3.00
Athletics	32.50	0.00
Health Facility	2.50	1.00
Health Services	86.00	22.00
Instructionally related activity	21.00	5.00
Late payment	25.00	25.00
Late registration	25.00	25.00
Parking, (optional) auto	43.00	22.00
Parking (optional) motorcycles	10.75	5.50
Student ID/Warrior card	0.00	0.00
ID card replacement, first time	5.00	5.00
University Catalog	10.00	10.00
University Union	58.50	6.00

**See the Schedule of Classes and the University Web site for the most up-to-date and complete information, including fees for Summer '07, course fees, housing fees, etc.*

Fee rates for the 2007-08 academic year are based on fee rates proposed in the Governor's budget. The California State University Board of Trustees voted to increase the State University Fee for the 2007-08 academic year by 10 percent to support full funding of the 2007-08 CSU budget approved by the Board at its November 2006 meeting. The increase of \$252 per year for undergraduate students will still result in CSU having the lowest fees among its comparison institutions across the country.

State university fees shown above apply to undergraduates only; please see the Graduate catalog for teacher credential and graduate/postbaccalaureate fees.

Nonresident Tuition

The nonresident tuition fee of \$339.00 per unit 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. Tuition payable by nonresident and foreign visa students is in addition to fees required of California resident students, except for enrollment in University extended education courses. Questions regarding residency classification for admission eligibility and tuition purposes should be directed to the Residency Technician in the Enrollment Services Office at (209) 667-3152.

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 information, refer to Determination of Residence in the Appendix.

Assembly Bill 540

Exemption from Nonresident Tuition

Any student who has attended a California high school full time for three or more years and has graduated from a California high school or attained the equivalent thereof (e.g., a High School Equivalency Certificate issued by the California Department of Education – a GED certificate alone does not qualify) will be exempt from paying nonresident tuition. An undocumented alien student who meets the above requirements must file an affidavit with the university indicating the student has applied for legal immigration status or will do so as soon as the student is eligible to do so.

Students who meet the exemption requirements and who are undocumented aliens are not eligible for any federal or state financial aid program. Students exempted from paying nonresident tuition under AB 540 are not eligible for the Governor's Merit Scholar Programs.

The law does not distinguish between public or private high schools nor impose any time limit on how far in the past the student may have attained this status.

Credit Cards

VISA, MasterCard and Discover are accepted only at University Extended Education for payment of students fees. Neither the main cashier's office nor the CSU Stanislaus-Stockton Center cashier's office will accept credit cards. Regular University fees may be paid online with Master Card, Discover or American Express through CASHNet Smartpay, but users incur a 2.9% convenience fee. Public Safety and Parking Management Bureau accept VISA, MasterCard, Discover and American Express.

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 section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those systemwide fees and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University. Refund of fees and tuition charged for self-support programs at the California State University (courses offered through extended education) are governed by a separate policy established by the University.

To receive a full refund of mandatory fees (less an administrative fee), including nonresident tuition, a student must cancel registration or drop all courses prior to the first day of instruction for the term; see the Academic Policies and Procedures section for dropping courses and withdrawal from the University.

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 any aspect of the refund of fees or concerning the refund policies of CSU Stanislaus for the return of unearned tuition and fees or other refundable portions of institutional charges is available from the Director of Student Financial Services, Mary Stuart Rogers Building, Room 290, or at (209) 667-3063.

Cancellation of Registration or Withdrawal 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.

Students who receive financial aid funds must consult with the Financial Aid Director 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.

Fees and Debts Owed

Should a student or former student fail to pay a fee or a debt owed to the University, the University 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 Sections 42380 and 42381 of Title 5, California Code of Regulations).

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

The University may withhold permission to register or receive official transcripts of grades or other services offered by the University from anyone owing fees or another debt to the University. If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact the Financial Services office. The Financial Services office, or another office on campus to which the 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.

For more information or questions, please contact Colleen Nickles, Senior Director of Financing & Treasury in the CSU Chancellor's Office, at (562) 981-4579 or cnickles@calstate.edu.

Fee Waivers

The California Education Code includes provisions for the waiver of mandatory systemwide fees (State University fee or Application for Admission fee) as follows:

Alan Pattee Scholarship Act

No State University fee or Application for Admission fee shall be required of those individuals who qualify for such exemption under the provisions of the Alan Pattee Scholarship Act (Education Code sections 68120-68121), applicable to dependents of public law enforcement and fire suppression employees killed during active law enforcement or firefighting duties.

This Act has also been expanded to include any student in an undergraduate program who is the surviving dependent of a person killed during the September 11, 2001 terrorist attacks if the student meets the financial need requirements for the Cal Grant A Program and either the student or the person killed was a California resident on September 11, 2001. For information, contact the Director of Admissions and Records at (209) 667-3264.

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 in Enrollment Services prior to registering for classes in order to have their fees calculated properly.

Employees and Faculty Dependents

Qualifying CSU Stanislaus employees must have their employee fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, (209) 667-3264, prior to registering to have their fees calculated properly. This waiver must be submitted to the Human Resources Office for each term of enrollment. Forms and information are available from the Employee Benefits Coordinator in the Human Resources Office.

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 students 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

Senior Scholars

Qualifying students must have their Senior Scholar fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, (209) 667-3264, prior to registering for classes to have their fees calculated properly. This waiver must be renewed each term. Questions should be directed to the Advising Resource Center, (209) 667-3304.

Veteran Deferral

Students qualified by the Veterans Coordinator in the Enrollment Services Office, (209) 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. For questions, contact Student Financial Services at (209) 667-3977.

Veterans' Dependents

Veterans' Dependents Section 66025.3 — Applies to qualifying children, spouses, or unmarried surviving spouses of a war period veteran of the U.S. military who is totally service-connected disabled or who died as a result of service-related causes; children of any veteran of the U.S. military who has a service-connected disability, was killed in action, or died of a service-connected disability and meets specified income provisions; qualifying dependents of a member of the California National Guard who in the line of duty and in active service of the state was killed or became permanently disabled or died of a disability as a result of an event while in active service of the state; and undergraduate students who are the recipient of or the child of a recipient of a Congressional Medal of Honor and meet age and income restrictions. Students qualifying for these benefits need to contact the Veterans Coordinator at (209) 667-3081.

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, (209) 667-3081, prior to registering for classes in order to have their fees calculated properly. The authorization must be renewed for each academic year.

Financial Aid

Matthew Sanchez, M.P.A., *Director*

Office: Mary Stuart Rogers Educational Services Gateway Building, Room 100
Phone: (209) 667-3336

The Financial Aid and Scholarships Department administers Federal and State financial aid programs and University scholarship funds available to help students meet their educational expenses.

New students should review the Financial Aid information contained in the CSU Admission Application booklet or online at www.csumentor.edu. All applicants must complete the Free Application for Federal Student Aid (FAFSA) which may be obtained from high school counselors and college financial aid offices or on the Internet at www.fafsa.ed.gov. Upon receipt of the FAFSA, the Financial Aid and Scholarships Department may request additional information. Application deadlines are observed, and students are encouraged to complete their applications as soon as possible, since funds are limited. Students interested in more information regarding financial aid, scholarship programs, or application procedures should inquire directly to the Financial Aid and Scholarships Office. The standard applicable to Financial Aid recipients for Satisfactory Academic Progress is found at the Financial Aid Website under "Academic Requirements." Students can access their financial aid status online at www.csustan.edu/financialaid.

Financial Aid Programs for Qualified Students**Academic Competitiveness Grant (ACG)**

This grant is for full-time first- and second-year students who completed a rigorous high school program of study and who demonstrate financial need. Second-year students are required to have a 3.0 cumulative GPA.

Cal Grants

These State-funded awards are made by the California Student Aid Commission to eligible California residents on the basis of financial need and academic eligibility. Applicants must file a valid FAFSA by March 2. New applicants must also provide a GPA verification by the deadline.

- Cal Grant A provides undergraduate students with payment of systemwide California State University (CSU) fees.
- Cal Grant B provides undergraduate students with an award for books and living expenses in the first year, and beginning with the second year, also provides payment of CSU systemwide fees.

Federal Pell Grant

The Pell Grant Program is a federally funded program available to qualified undergraduate students and credential candidates. These grants are designed to be the base award in a student's financial aid package to which other funds may be added according to total eligibility.

Federal Supplemental Educational Opportunity Grant

These awards are federally funded and are granted to undergraduate students who demonstrate the greatest financial need.

Federal Parent Loan for Undergraduate Students (PLUS)

Loans are made through private lenders to parents of dependent undergraduate students. Repayment of loans at a variable simple interest begins immediately upon disbursement of funds. More information and applications are available at the Financial Aid and Scholarships Office.

Federal Perkins Loan

This Federal program provides long-term, low-interest loans in amounts governed by established eligibility and availability of funds. Five percent simple interest is charged and repayment begins nine months after the date the borrower ceases to maintain at least half-time enrollment. In some cases deferred payment or loan and interest cancellation is possible.

Federal Work Study Program

Eligible students may be able to work on or off campus to earn all or a portion of their financial aid awards.

National Science and Mathematics Access to Retain Talent Grant (“SMART Grants”)

This grant is for full-time third- and fourth-year students who have a cumulative 3.0 GPA, demonstrate financial need, and who are enrolled in specific science, math, and foreign language majors.

Short-Term Loan Fund

Short-term loans to meet educational expenses are available to enrolled students. A maximum of \$200 may be borrowed with repayment in 60 days.

State University Grant

These State-funded awards cover a portion of the fees paid by eligible undergraduate and graduate students who are California residents.

State Educational Opportunity Program Grant

Students admitted through the Educational Opportunity Program who have financial need may be funded under this State program.

Federal Stafford Loan

Loans are made available to students through private lending institutions such as banks, savings and loans, or credit unions. A subsidized loan is awarded on the basis of financial need. Students will not be charged any interest before repayment begins (typically six months after graduating, withdrawing, or dropping below half-time enrollment), or during periods of deferment. The Federal Government subsidizes the interest during these periods. An unsubsidized loan is not awarded on the basis of need; in effect, anyone may qualify regardless of income level. The student will be charged interest from the time the loan is disbursed, and has the option of making interest payments quarterly or "capitalizing" the interest – adding it to the principal so that the loan is actually growing during in-school and deferment periods. Some students may qualify for both types of loan during the same enrollment period; final eligibility will be determined by the Financial Aid Office. All loan applicants must enroll as at least half-time students. Loan amounts may be limited based on dependency status, class level, and total cost of education. Further information and application materials are available at the Financial Aid and Scholarships Office.

Student Assistant Work Program

This work program is funded through the State budget and is administered by the various academic departments on campus.

Selective Service Registration

The federal Military Selective Service Act requires most males residing in the United States to register with the Selective Service System within 30 days of their 18th birthday. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959 may be required to submit a statement of compliance with the Act and regulations to receive any grant, loan or work assistance under specified provisions of existing federal law. In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a Selective Service Registrar. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA) be used to register them with the Selective Service. Information on the Selective Service System is available and the registration process may be initiated online at <http://www.sss.gov>.



Campus Life

The University provides services to address the student's need for support services and educational, social, cultural, and recreational activities. A fuller description of services may be obtained from the offices listed in this section.

- Associated Students, Inc.
- Career Services Center
- Counseling Services
- Disability Resource Services
- Educational Opportunity Program
- Faculty Mentor Program
- Advising Resource Center
- Health Services
- Housing
- Information Center
- Intercollegiate Athletics
- Intramural, Leisure, and Sports
- Activities/Wellness Program
- Safety on Campus
- Judicial Affairs
- Orientation Program
- Reentry/Senior Scholar Programs
- Student Activities Center
- Student Leadership and Development
- Student Support Services (TRIO program)
- Summer Bridge Program
- Testing Services
- Union Program Board

Associated Students, Inc.

University Student Union Building 202, (209) 667-3833

Stockton Student Senate, Acacia Hall, (209) 467-5428

www.student.csustan.edu/asi

The Associated Students, Inc., (ASI) is the student government of the University. As the official voice of the students, its mission is to serve the students of CSU Stanislaus in all matters pertaining to the quality of their education. All students pay an ASI fee and are eligible to participate in ASI- sponsored programs and services. Elections for student body offices are held annually. The ASI fee provides various programs and services.

Career Services Center

Mary Stuart Rogers Building 245, (209) 667-3661

web.csustan.edu/career

The Career Services Center assists students in the process of identifying, developing, implementing, and evaluating career plans to prepare for employment after graduation. The mission of the Center is to serve as a vital link between the academic preparation that takes place in the classroom and the transition to the workplace. The staff develops relationships with a diverse group of employers and organizations to obtain occupational information and opportunities for students that will guide their career development process.

The Career Services Center offers:

- Alumni Services
- Career Counseling
- Career Fair
- Career Resource Library
- Computer workstations
- Faculty Support
- On-Campus Interviews
- Job Announcements
- Student Employment Service
- Workshops

Counseling Services

Mary Stuart Rogers Building 210, (209) 667-3381

www.csustan.edu/counseling

The mission of Counseling Services is to provide ethical, voluntary, and confidential psychological counseling to students. Counselors are trained professionals who provide understanding and objective feedback for students dealing with varied life problems. Counseling helps students develop cognitive and emotional integration, relationship skills, and personal resilience. Counselors also provide immediate intervention for students dealing with crises and urgent concerns.

Counseling is available, free of charge, to currently enrolled students at CSU Stanislaus. Consultation to assess a situation, to share information, or to learn about referral resources is offered by phone or by appointment to staff, faculty, and family of students, as well as to students.

Individual Personal Counseling

Students can arrange individual appointments with a professional counselor. All counseling faculty have extensive training and experience assisting students with a wide range of psychological and interpersonal concerns. Listed below are some of the common issues that students present:

- negative or depressed mood
- anxiety
- dealing with a crisis
- stress management
- academic focus and success
- concerns about eating and body image
- abuse of alcohol and other drugs
- grief and loss
- sexuality
- personal relationships
- family relationships
- multicultural issues
- dealing with trauma and abuse

Couples Counseling

Counseling Services offers relationship counseling for partners or spouses to work on behaviors, communication or other issues facing them as a couple. Both partners/spouses must currently be enrolled students at CSUS to participate in couples counseling.

Psychoeducational Presentations and Groups

Counseling faculty provide educational outreach to address psychological topics in various campus settings as well as in the Counseling Center. Examples of such programming include: Stress Management, Test Anxiety and Academic Pressure, Intimate Relationships, Eating and Body Image, Self-Esteem and Self-Care, and Dealing with Depression. Counseling Services lists topics to be presented each term in a brochure available at the Counseling Center. Consult the Website for information on presentations.

Tutoring Services

Library Building 112, (209) 667-3642

Students having difficulty with an academic subject area may receive free tutoring support. Individual or group tutoring is available for most classes. Students who have received an 'A' or 'B' in a class are eligible to become a paid tutor for that class.

Disability Resource Services

Mary Stuart Rogers Building 210, (209) 667-3159, (209) 667-3044 TDD

The Disability Resource Services Office works closely with students with disabilities to arrange individualized accommodation plans to meet their unique needs. The Office provides support services that may include: assistance with registration, orientation to campus, notetakers, readers, interpreters/captioners, campus shuttle, designated parking, testing accommodations, material in alternate format, technology assistance, counseling, and liaison with faculty, University offices, and off-campus agencies.

Educational Opportunity Program (EOP)

Mary Stuart Rogers Building 180, (209) 667-3108

The Educational Opportunity Program (EOP) provides special admission to low-income students at a disadvantage because of poor academic preparation or inadequate financial resources. EOP applicants apply jointly for admission to the University and to the EOP program. EOP students are eligible for special support services including academic advising, assistance with study skills, and special workshops.

Faculty Mentor Program

Dorothy and Bill Bizzini Hall 136A, (209) 667-3021

The Faculty Mentor Program (FMP) provides students with personal faculty mentors who engage them in a year-long program of voluntary activities and workshops in a variety of cultural, social, and recreational environments designed to retain and graduate students. A faculty mentor is an available advocate, resource, facilitator, and friend to students. A unique and comprehensive faculty training program provides tools to promote faculty-student out-of-class interactions that have been shown to have a positive effect on learning.

Advising Resource Center

Mary Stuart Rogers Building 180, (209) 667-3304

To obtain a faculty adviser, students should visit or call their major department. If they have not declared a major, they will receive advisement from the Advising Resource Center. If they are uncertain about their choice of major or vocational goals, they should seek assistance from their faculty adviser, the Counseling Department, or Career Services.

Advisers can help students plan their educational program, but students are responsible for meeting all course prerequisites and all requirements for their degree or credential. There are specific academic advising days each semester which are designated in the College Year Calendar. In addition, students may make appointments throughout the academic year to discuss their educational progress and goals.

Undergraduate students must receive mandatory, personal advising from their major/concentration/program(s) advisor at a point determined by their major department/concentration/program(s) which lies between the completion of 75 and 90 units. This point is indicated in the catalog description of each department/concentration/program.

Health Services

Health Center Building (Turlock): (209)667-3396

Acacia Building, Room 1050 (Stockton): (209) 467-5496 (limited services and hours)

www.healthcenter.csustan.edu

The nationally accredited Student Health Center offers a comprehensive range of primary care services and health education programs to all registered students. Fully funded by students through the mandatory health fee, the Student Health Center offers convenient, affordable and personalized care, privacy and confidentiality, and high patient satisfaction.

A variety of health care professionals such as doctors, nurse practitioners, nurses, medical assistants, pharmacists, clinical laboratory scientists, health educators, and medical clerical personnel staff both the Health Center and the satellite clinic in Stockton. In caring for the whole student, the staff strives to enhance students' physical and emotional wellness to contribute to their academic and career success. Specific services include:

- Preventive services
- Men's and women's health (physicals, Pap smears)
- Cholesterol screening
- Blood pressure monitoring
- Primary medical care services
- Treatment of illness and injury
- Minor office surgery
- Immunizations and TB screening
- Health education and wellness programs
- On-site laboratory and pharmacy services
- Supplemental student health insurance
- Opportunities for student involvement as Peer Health Educators or members of the Student Health Advisory Committee (SHAC)

On-Campus Student Housing

Residential Life Village, (209) 667-3675

www.csustan.edu/village

The Residential Life Village is centrally located on campus, near the University Union, dining hall, classrooms, laboratories, computer rooms, and library. Students may choose from a variety of living arrangements; there are four-bedroom apartments and two- and four-bedroom suites. Each suite or apartment has a living room, bathroom, and one or two-person bedrooms; balconies overlook a central courtyard. Apartments also include a full kitchen. The Village is designed to provide a sociable and supportive environment with privacy and security for 656 residents. Amenities include outdoor study areas, a study lounge, fitness center, a 200-seat dining facility, recreation room, laundry facility, computer lab, two swimming pools, covered bike storage, a basketball court and a volleyball court.

Off-Campus Student Housing

Residential Life Village, (209) 667-3675

www.csustan.edu/village

Brochures and area maps of off-campus housing may be obtained from the Housing and Residential Life Office. Apartment and apartment-mate listings are posted in the office.

Information Center

University Student Union Lobby, (209) 667-3122

The campus Information Center is located in the lobby of the University Student Union directly across from the University Bookstore. The Information Center is a prime resource on campus activities and events, and phone numbers for faculty, staff and departments. The Information Center is staffed during the semester, Monday through Thursday, 8 a.m.- 8 p.m., and Fridays 8 a.m.-5 p.m. Summer hours are 7:30 a.m. - 4:00 p.m., Monday through Friday.

The Information Center also provides a myriad of services: copies, postage stamps, poster prints, discounted cinema tickets, Boomer Amusement Park and Universal Studios tickets, START bus passes, fax services and balloon bouquets.

Intercollegiate Athletics

Gymnasium, (209) 669-4295

www.warriorathletics.com

The Department of Intercollegiate Athletics (within the Student Affairs Division) sponsors 14 men's and women's teams that compete at the National Collegiate Athletics Association (NCAA) Division II level in the California Collegiate Athletic Association. Fall sports include men's and women's cross country, men's and women's soccer, and women's volleyball. Winter sports include men's and women's basketball and men's and women's indoor track and field. Spring sports include baseball, men's golf, softball, and men's and women's outdoor track and field. All current CSU Stanislaus students are admitted free for all home events.

Judicial Affairs

Mary Stuart Rogers Building 340, (209) 667-3177

www.calstate.edu/EO/EO-628.pdf

The Coordinator of Student Discipline is responsible for investigating and adjudicating allegations that a student's conduct may have violated the CSU Student Discipline Code. Potential violations include: cheating and/or plagiarism, alcohol and other drugs, harassment, abusive behavior, falsification or forgery of documents, etc. Students engaged in the student discipline process have the right to due process and may consult the Student Advocate for information about campus policies and procedures.

Orientation Programs

Mary Stuart Rogers Building 180, (209) 664-6757

All new students should attend a New Student Orientation to pre-register for classes. Held throughout the year, orientations provide an opportunity to be advised by knowledgeable University faculty, meet friendly upperclassmen, tour the campus, and become acquainted with the many services, activities, and special programs available to students. Call or visit the Advising Resource Center for information.

Recreation and Wellness Program

(209) 667-3150

The Recreation and Wellness Program sponsored by Associated Students, Inc., offers all students the opportunity to participate in intramural sports, wellness programming, and special events. Intramural sports include basketball, soccer, aerobics, dodgeball, swimming, volleyball, yoga, football, and softball. Also offered are opportunities for aerobics, lap swimming, wellness speakers and more.

Reentry Programs

Mary Stuart Rogers Building 180, (209) 667-3304

This program is for adults who intend to enter college after deferring their education for five years or more. The program provides academic support, resource, and referral assistance.

Safety on Campus

Public Safety/University Police

Campus Services Building, (209) 667-3114

www.csustan.edu/publicsafety

University Police employs trained, full-time peace officers for the 24-hour protection of the campus, its students, faculty and staff. The department offers a wide variety of crime prevention and personal safety awareness programs including sexual assault and date/acquaintance rape awareness, CPR and first aid training, resident and personal property protection, and general personal safety.

The campus' annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings on property owned or controlled by CSU Stanislaus, and on public property within or immediately adjacent to and accessible from the campus. The report also includes institutional policies on alcohol and drug use, crime prevention, crime reporting, sexual assault and other matters.

Student Activities Center

University Student Union Building 103, (209) 667-3778

The Student Activities Center is the home of the Associated Students Recreation and Wellness Programming, the Office of Student Leadership and Development, and more than 80 student organizations, fraternities and sororities. Come to the Student Activities Center to:

- Join or start a student organization
- Obtain a Calendar of Events
- Join an intramural sports league
- Get information about the Student Leadership Program
- Purchase tickets or get information on Homecoming, Warrior Day, or Club Faire
- Learn about other opportunities for student leadership and involvement

Student Leadership and Development

University Student Union Building 103, (209) 667-3778

The Office of Student Leadership and Development is responsible for chartering and oversight of all clubs and Greek organizations at CSU Stanislaus. In addition, it does the following:

- Provides a Student Leadership Program
- Assists clubs, Greeks, and other student organizations in planning, implementing and promoting events
- Advises the Greek Council and National Panhellenic Council
- Coordinates Celebrations of Diversity, Wednesdays in the Quad, and Late Night Stanislaus

Student Support Services (TRIO Program)

Mary Stuart Rogers Building 230, (209) 667-3220

www.student.csustan.edu

The Student Support Services program assists low-income, first-generation college-bound, and disabled students with academic support services, including academic advisement, tutoring and workshops on taking tests, study skills, time management, and preparation for the WPST, GRE and CBEST tests. Students must satisfy eligibility requirements for admission to the University in order to be admitted to the program.

Summer Bridge Program

Mary Stuart Rogers Building 180, (209) 667-3108

Summer Bridge offers an intensive three-week residential program of classes, seminars, tutoring, and academic advising to help ease the transition from high school to the University. Upon admission to the University, students selected for the Summer Bridge program are notified by the Educational Opportunity Program (EOP) Office. Successful completion of the program may be a condition of admission for some EOP students.

Testing Services

Mary Stuart Rogers Building 180, (209) 667-3157

www.csustan.edu/testing

Information is available at the Advising Resource Center on state and national programs such as ACT, CBEST, CSET, EPT, ELM, GMAT, GRE, SAT and TOEFL. Registration bulletins are available on the rack inside the Advising Resource Center suite.

Registration forms and information about the WPST may be obtained at the Advising Resource Center. Forms are available from all academic departments, the Writing Center on the Turlock and Stockton campuses, and transfer centers at local community colleges. All students must complete the WPST with a passing score prior to the first day of attendance in a WP course. For further information, see Upper-Division Writing Proficiency in the Baccalaureate Degree Requirements section of this catalog.

University Student Union

University Student Union Building 202A, (209) 667-3776

The University Student Union, a student-funded auxiliary, is the hub of campus life. The Union sponsors concerts, lectures, theatre trips, "Feed the Students Day," recreation tournaments, exhibits, Outdoor Adventure Program, comedy nights, and other special events throughout the year.

The University Student Union building houses the Union Program Board (UPB), the Event Center, the Lakeside, Stanislaus and Warrior Conference rooms, the Game Room, Carol Burke Student Lounge, Computer/Study Lounge and the Information Center. The building also contains the University Bookstore, Student Activities Center, Associated Students and University Student Union offices.

Student clubs seeking to schedule and plan student events should go to the Student Activities Center located in the lobby across from the UPB office.

Academic Policies and Procedures

Adding and Dropping Courses

The Schedule of Classes provides complete information on adding or dropping courses for a particular term. The following regulations govern adding or dropping a course during the term:

1. **CHOICE OF METHOD:** Students may add or drop courses using one of two ways:
 - (a) by filing an approved Add/Drop Form with the Enrollment Services Office, or
 - (b) via Web Registration. There is a \$10 late add fee.
2. **DEADLINES:** Students may add courses until the last day to register, as indicated in the College Year Calendar. Adding or dropping courses after the Enrollment Census Date will not be allowed. After the Enrollment Census Date, students are responsible for completion of the course(s) in which they are enrolled. Dropping a course after the last day of a term is not allowed.
3. **EXCEPTIONS:** When documented extreme circumstances beyond the student's control, e.g., accident, serious illness, change of working hours causing a class/work conflict, transfer out of the area, hospitalization, etc., make dropping a course or withdrawing from the University necessary, and when continued enrollment would unduly penalize the student, the student may petition for an exemption to the regulation. When a student is permitted by petition or other special action to drop a course after the Enrollment Census Date, the Administrative grade symbol of "W" (withdraw) will be assigned.
4. **REFUNDS:** Students who are entitled to a partial refund because of a reduced course load must have officially dropped courses by the published refund deadline.
5. **ENROLLMENT STATUS:** Students who drop all of their classes prior to the Enrollment Census Date are not considered enrolled for that term and may be required to reapply for admission to resume enrollment for the following term. (See policy on Admission Reapplication Requirement.) Students who drop all of their classes after the Enrollment Census Date are considered enrolled for that term and are eligible to register as continuing students for the following term. This policy applies to both postbaccalaureate and undergraduate students.

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.



Course Challenge Examinations

Matriculated students may fulfill certain requirements through Challenge Examinations. Normally, both subject and unit credit will be granted and counted toward the University's 120 semester unit graduation requirement. Such credit is not treated as part of the student's regular term work load and therefore does not require a petition for excess study load. Challenge Examination credit will not be counted toward fulfillment of the University's residence requirement and may not be counted toward the completion of major, minor, and credential requirements except with the approval of the major and/or minor adviser and the department chair.

A currently or formerly enrolled student who has special preparation may only challenge courses as determined and approved by the department. A student may receive Challenge Examination credit for the following two types of courses at the University.

1. **Courses Regularly Offered by Examination.** Special course sections for credit by examination may be offered in the Schedule of Classes by a department. Credit may be earned in these courses by:
 - a. Enrolling in the course for Credit by Examination during a regular registration period;
 - b. Taking the Challenge Examination at the time and place specified and passing it at the level deemed satisfactory by the department. Grades of Credit (CR) or No Credit (NC) will be awarded.
2. **Other Catalog Courses.** A student who has special preparation may challenge selected catalog courses as determined by the department by:
 - a. Securing a Request for Credit by Challenge Examination from the Enrollment Services Office, obtaining the necessary departmental approvals, paying the appropriate examination fee, and filing all copies of the completed request with the Testing Office.
 - b. Taking the Challenge Examination at the time and place specified and passing it at the level deemed satisfactory by the department. Grades of Credit (CR) or No Credit (NC) will be awarded.

Challenge of Subject Requirements

Certain specific subject requirements (e.g., U.S. Constitution, State and Local Government, etc.) may be passed by Challenge Examinations under the following conditions:

1. An appropriate course is not offered by the University.
2. Special arrangements must be made with the appropriate department for the preparation of the necessary examination.
3. The student must secure a Request for Credit by Challenge Examination form, secure the necessary approvals, pay an examination fee, and file all copies of the completed request with the Testing Office.
4. The student must take the Challenge Examination at the time and place specified, and pass it at a level deemed satisfactory by the department.

Subject credit only is granted for this type of Challenge Examination. An appropriate notation certifying completion of the specific requirement will be placed on the student's permanent academic record.

Change of Postal/E-mail Addresses

Students who change mailing, e-mail addresses, and telephone numbers after admission or registration should immediately notify the Enrollment Services Office. This information is needed to ensure that official communications, registration information, correspondence, and other such materials reach the student without delay.

Class Attendance

Regularity in attending classes is assumed. The instructor sets the attendance policies. It is the student's responsibility to consult the instructor about particular policy regarding missed class sessions. The instructor is the judge of the validity of the reasons for absence and of what arrangements, if any, are to be provided for the student to make up class work.

Concurrent Enrollment

Any matriculated student pursuing a degree or credential at CSU Stanislaus who desires to enroll for a course at another institution should secure prior approval from the major adviser if credit is to be accepted. Acceptance of credit depends on policies set forth in the catalog section on Evaluation of Transfer Credit, and it is the student's responsibility to find out whether a concurrent enrollment course will be accepted. Application forms are available from the Enrollment Services Office.

Continuous Enrollment Requirement

Students who do not complete at least one course during one semester each calendar year risk the loss of rights to their original catalog year graduation requirements, as explained in the Catalog Year for Graduation Requirements section of this catalog under Baccalaureate Degree Requirements. See the Readmission Requirements section of this catalog.

Declaration or Change of Educational Objectives

An undergraduate student who selects or changes the degree objective at CSU Stanislaus after enrollment must file a Declaration or Change of Degree Objective form with the Enrollment Services Office. To change and/or declare a degree objective officially, the student is required to receive advising from an advisor in the receiving major/concentration/program, and all appropriate signatures must be obtained on the form. Students admitted to a credential program will have their academic status updated by the Credentials Processing Center in the College of Education.

General Education Credit

The Schedule of Classes and the current 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 General Education Breadth Requirements section in this catalog.

Grade Assignment and Grade Appeal Procedures

The grade assignment and grade appeal procedures of California State University, Stanislaus are based upon the following premises:

1. An important duty of teaching faculty is the timely and accurate evaluation of student work and the assignment of an appropriate grade.
2. It is the responsibility of qualified faculty to assign a grade when the instructor of record does not do so.

Grade Assignment

1. Reporting Grades. At the end of each term, instructors are required to submit grade reports to the Enrollment Services Office within 72 hours after each final examination period. The grades are recorded in writing and in the appropriate area on the Final Grade Report form. This form is prepared by computer printout and distributed to the faculty by the Enrollment Services Office. A cover sheet is attached giving the procedures to follow in reporting grades and the specific due dates. The Final Grade Report requires the instructor's signature and the date. Reports are accepted only from the instructor, the department secretary, or other duly authorized department representatives.
2. If the instructor of record fails to assign a grade within 10 working days after grades are due, the department chair shall appoint two (2) appropriate faculty members and these three persons will jointly determine the grade. The department chair will be vested with the authority and required to inform the Enrollment Services Office in writing to record the grade.
3. If the chair is the instructor of record, the appropriate College Dean or his/her designee shall assume the responsibility normally discharged by the chair.

Change of Grade by the Instructor of Record

Grade changes are submitted to the Enrollment Services Office by the instructor on the Change of Grade Card. The appropriateness of the instructor's grade change is determined by the department chair, whose signature is required on the Change of Grade Card in addition to the instructor's signature. The Change of Grade Card is accepted only from the instructor, the department secretary, or other duly authorized department representative. There is no time limit imposed for such grade changes.

Grade Appeal Policy and Procedures

To initiate a grade appeal, the student must complete the Grade Appeal Form and adhere to the procedures and timelines described below.

1. By order of the Chancellor's Office, the Senate of CSU Stanislaus is responsible for providing students a grade appeal procedure.
2. There is a presumption that grades assigned by faculty members are correct. Thus, the burden of proof rests with the student who is appealing.
3. Appeal procedures are available only for review of alleged capricious grading and not for review of an instructor's judgment in assessing the quality of a student's work. In the absence of capricious grading, the grade determined by the instructor of record is final.

Capricious grading, as used here, constitutes any of the following:

- a. Instructor's failure to notify students as to the basis of grade determination in a clear and timely manner.

- b. Grading that results from a substantial departure from the instructor's previously announced standards.
- c. Grading based on anything other than the student's performance in the course.
- d. Discrimination or prejudice.
- e. Error in calculating the grade.
- f. Arbitrary grade assignment (the lack of consistent and equitable standards for grade assignment).

The grade appeal shall be dismissed by the Grade Appeal Committee if:

- a. The allegations would not constitute capricious grading, or
- b. The only disagreement is with the instructor's grading standards, or
- c. The appeal was not timely, or
- e. The student has not provided the instructor with written notification.
4. Students who can demonstrate a reasonable doubt about the correctness of an assigned grade deserve access to a due process hearing before an appropriate body and, when justified, deserve to receive a grade correction.
5. If a student believes a grade assigned is incorrect, the student must file with the instructor a written statement of appeal and the Grade Appeal Procedures form within the first four weeks of the immediately following fall or spring semester. (The Grade Appeal Procedures form is available from the Office of the Vice Provost, MSR 360, or by calling 209/667-3082, or online at <http://studentaffairs.csustan.edu/>.) This appeal must detail and document the compelling reasons which form the basis for the student's contention that the assigned grade is incorrect. The instructor will respond in writing, within 15 working days on receipt of the appeal, indicating either approval or denial of the appeal. (If the appropriate College Dean or his/her designee judges that the instructor of record is inaccessible, the student may initiate the appeal with the department chair.)
6. In the event the instructor denies the appeal or fails to respond in writing, and the student wishes to pursue the matter further, the student shall submit the written appeal to the department chair with any further clarifications and/or contentions the student chooses to add to the original appeal. This action must be taken within 15 working days of the time the instructor informs the student of the denial. The department chair will, on receipt of the written appeal from the student, constitute a Grade Appeal Committee within 15 working days.
7. The Grade Appeal Committee shall be appointed by the chair in consultation with the student and instructor and consist of one faculty member from the involved department, one faculty member from outside the involved department, and the President of the Associated Students or his/her designee. The department chair shall, in consultation with the instructor and student, appoint the chair of the Grade Appeal Committee. In those cases in which a Grade Appeal Committee is constituted to hear multiple appeals of capricious grading from students in the same class, the Committee Members must take actions to ensure confidentiality/privacy of each student and render an independent decision for each case.
8. The duties of the Grade Appeal Committee shall be completed within 20 working days from the date constituted. This committee shall be provided all prior written correspondence from the student and instructor related to the grade appeal.

9. The Committee will review the written documents and take one of the following actions:
 - a. Judge that the appeal has no merit and so inform the student and instructor in writing, in which case the matter is ended, or
 - b. Judge that there is reasonable doubt regarding the correctness of the grade and, in this event, initiate a hearing.
10. In the event a hearing is initiated, the Committee shall investigate and discuss the matter with the involved student and instructor. Both shall be entitled to be present throughout the hearing and to present evidence, including testimony by other persons. The student and instructor may be accompanied by a person from the University faculty or student body to assist them in presenting evidence. The hearing shall not be open to the public. At the close of the hearing, the Committee shall deliberate privately. The chair shall assure that the following procedures are employed in the conduct of the hearing:
 - a. Efforts may be made to resolve the matter by extra-procedural settlement at any time.
 - b. The student shall first make an opening statement by presenting evidence which the student believes constitutes legitimate grounds for the grade appeal.
 - c. After the student has presented his/her evidence, the Committee may agree to terminate the hearing, if the evidence presented does not constitute legitimate grounds for the grade appeal.
 - d. After the student presents evidence in support of the grade appeal, the instructor may present rebuttal evidence.
 - e. Following the private deliberations of the Committee, the chair shall, in writing, inform the student, instructor, and department chair of its findings. If the Committee finds that there is a compelling reason to approve the grade appeal, the instructor is expected to change the grade to the grade recommended by the Committee.
 - f. In the event the instructor chooses not to change the grade, the department chair shall be vested with the authority and required to inform the Enrollment Services Office in writing to change the original grade to the grade recommended by the Committee. The transcript shall reflect that the grade was changed as a result of administrative action.
11. If the department chair is the instructor of record, or serves in lieu of the instructor, the appropriate College Dean or his/her designee shall assume the responsibilities normally discharged by the chair.
12. In the event the student or instructor alleges that improper grade appeal procedures were employed, the appropriate College Dean or his/her designee shall investigate and take corrective action, if improprieties have occurred.
13. The Committee is not authorized to reprimand or otherwise take disciplinary action against the instructor. Evidence put before the Committee shall be admissible in any disciplinary proceedings which may thereafter be undertaken against the instructor, but the disciplinary body shall make an independent determination of whether that evidence and any other information before that body constitutes sufficient proof of the conduct charged.
14. None of the established procedures available to the instructor to raise grievances before the Faculty Affairs Committee or through CSU grievance procedures shall be abridged or affected by the actions of the Committee.

15. The Provost/Vice President for Academic Affairs or his/her designee shall annually provide a written summary of grade appeals to the CSU Stanislaus Academic Senate and President.

Specific questions regarding Grade Appeal Procedures should be addressed to the Vice Provost, whose office is located in the Mary Stuart Rogers Building, Suite 360. Students may also call (209) 667-3082. Detailed grade appeal procedures are also included in the Faculty Handbook and the Student Handbook.

Grade Reports To Students

Students may access their grades by logging on to their account online at www.csustan.edu and accessing their information. Instructions for use of Web Registration are included in the Schedule of Classes Informational Guide. Students may also order an official transcript after the conclusion of each semester.

Incomplete Work

An incomplete signifies (1) that a portion of required coursework 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. An incomplete should never be used to (1) give a failing student an opportunity to redo unsatisfactory work or complete additional work; or (2) give a student more time to complete his/her work when the reasons for the delay have been within his/her control. 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 the Academic Standards section of this catalog and the Schedule of Classes Informational Guide 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 department where the course was offered. Students may not be permitted to graduate until all Incompletes are removed or evaluated as "IC" grades. Students are not to reregister in courses in which they have an Incomplete.

Individual Study Courses

At the option of the instructor, Individual Study courses may be available in certain fields to a student who has demonstrated capacity for independent study. A total of nine units of individual study credit earned at CSU Stanislaus is the maximum permitted toward a degree, credential, or other educational objective. These courses are numbered 4980, 5980, and 6980 following the subject field prefix.

A student seeking to enroll for an Individual Study course must file the original copy of an approved Request for Course by Individual Study form at registration. Request forms are available at the Enrollment Services Office. The request for individual study must be approved by the student's individual study instructor, the instructor's department chair, the major adviser, and the appropriate college dean at the time the student registers for the course. The approved request form must be received in the Enrollment Services Office on or before the term enrollment deadline.

Instructor Withdrawal

Students who register for a class and do not attend the first class meeting should notify the instructor or the departmental office no later than 24 hours after the class meeting if they intend to remain in the class. Students who fail to provide such notification may be dropped administratively from the class by the instructor. The instructor also may administratively drop students who do not meet the catalog prerequisites for the class. These administrative drops shall be without penalty and must be filed by the instructor with the Enrollment Services Office no later than the Enrollment Census Date each term.

By the last day to drop a course (by the census date), students should officially drop courses which they have no intention of completing rather than risk an "F" or "NC" grade. Students should not assume the instructor will take disenrollment action.

At the end of the fourth week of instruction (by the census date) there shall be a campus-wide enrollment update; any student who has never attended a particular course shall be dropped administratively from the course by the instructor. If the instructor fails to administratively drop a student who has not attended class, it is still the student's responsibility to promptly drop the class through the Enrollment Services Office.

Leaves of Absence

Planned Student Leave for Undergraduates

A Planned Student Leave is an interruption of students' formal education in which they voluntarily cease their enrollment at CSU Stanislaus to pursue other educationally related activities to complete or enrich their academic programs or to clarify their educational goals. The intent of this program is to make it possible for students to suspend their academic work, leave the campus, and later resume their studies with a minimum of procedural difficulty. It is not intended for students who only wish to attend another institution.

Planned Student Leave request forms are available from the Enrollment Services Office. Enrollment at another institution of higher education during Planned Student Leave is subject to advance Concurrent Enrollment approval.

1. **Eligibility:** Any enrolled student is eligible to request a Planned Student Leave. Newly admitted students who have not yet registered are also eligible; the primary intent in such instances being to provide an opportunity for beginning students to pause between high school or community college and CSU Stanislaus enrollment.
2. **Requests for Approval:**
 - a. Each Planned Student Leave request must include a stated intent to re-enroll at CSU Stanislaus within a specified period, and a plan for how the time is to be used in relation to an educational objective. Acceptable requests will be those

for planned travel, national service, study, or other specific plans which will contribute to the student's educational objectives.

- b. The request must be filed prior to the period of absence and is subject to the approvals of the student's assigned academic adviser, department chair, and the Enrollment Services Office.
 - c. Educational leaves may begin at any time. However, if a student chooses to begin a leave while coursework is in progress, the student is subject to all normal regulations and clearances (e.g., official withdrawal, financial aid termination, etc.).
3. **Duration of Leave:** A typical Planned Student Leave will be for one academic year. A student may request, in writing, an extension of leave prior to its termination. Under no circumstances shall successive leaves exceed two calendar years.
 4. **Return Responsibilities and Benefits:** Students returning from an approved educational leave may be required to submit an application for readmission but will not be required to pay another application fee or submit to residency if terms of the leave have been satisfied. Returning students must specify on the application for readmission form that they are returning from an approved leave. Readmission is guaranteed providing the readmission application is filed according to the following schedule: fall, November; winter and spring, August; and summer term, February—or 30 days after leave approval, whichever is later. A student will be guaranteed normal registration priority and rights to prior graduation requirements provided leave terms fully are met and proper return procedures are followed.
 5. **Compliance:** A student on a Planned Student Leave who does not comply with the provisions of this policy and the conditions of the leave is subject to forfeiture of the advantages of this program.

Unavoidable Leave of Absence

Students withdrawing from CSU Stanislaus who will not be registered for at least one semester each calendar year for reasons beyond their control (e.g., compulsory military duty, medical, pregnancy, etc.) may request a "leave of absence" to protect their right to degree requirements which were fixed at the time of admission to the University. Submission of written verification explaining the reason(s) for non-enrollment is required. Financial reasons for non-enrollment are not an acceptable justification for Leave of Absence approval. This Request for Leave of Absence form is obtained from and filed with the Enrollment Services Office. Granting a "leave of absence" to a student does not guarantee readmission to the University nor exemption from the regular application for readmission procedure, application fees, and filing dates. Students may also protect their rights to a former catalog year for graduation requirements by enrolling at least part-time for one semester each calendar year, as explained in the Catalog Year for Graduation Requirements section of this catalog under Baccalaureate Degree Requirements.

Nondiscrimination Policy

The California State University does not discriminate on the basis of race, color, national origin, sex, physical disability or sexual orientation in the educational programs, athletics, or other activities it conducts.

Sex/Gender

The California State University does not discriminate on the basis of sex, gender or sexual orientation in the educational programs or activities it conducts. Title IX of the Education Amendments of 1972 and certain other federal and state laws prohibit discrimination on these bases in education programs and activities operated by California State University, Stanislaus. Such programs and activities include admission of students and employment. Inquiries concerning the application of these laws to programs and activities of CSU Stanislaus may be referred to the Regional Director of the Office for Civil Rights, Region 9, 50 UN Plaza, Room 239, San Francisco, California 94102. The California State University is committed to providing equal opportunities to male and female CSU students in all campus programs including intercollegiate athletics.

Disability

The California State University does not discriminate on the basis of disability in admission or access to, or treatment or employment in, its programs and activities. Sections 504 and 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (1990), and various state laws prohibit such discrimination. Inquiries concerning compliance may be addressed to the Regional Director of the Office for Civil Rights, Region 9, 50 UN Plaza, Room 239, San Francisco, California 94102.

Human Immunodeficiency Virus (HIV/AIDS)

Current or potential students and employees of CSU Stanislaus with Human Immunodeficiency Virus (HIV) shall be afforded unrestricted classroom attendance, working conditions, use of University facilities and participation in co-curricular and extracurricular activities as long as they are physically and psychologically able to do so.

Race, Color, and National Origin

The California State University complies with the requirements of Title VI and Title VII of the Civil Rights Act of 1964 as well as other applicable federal and state laws prohibiting discrimination. No person shall, on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program of The California State University.

Inquiries concerning the application of the Civil Rights Act of 1964 to programs and activities of CSU Stanislaus may be referred to the Regional Director of the Office for Civil Rights, Region 9, 50 UN Plaza, Room 239, San Francisco, California 94102.

Age, Marital Status, Religion, or Sexual Orientation

By CSU Board of Trustees policy, the California State University does not discriminate on the basis of age, marital status, religion, or sexual orientation. Inquiries concerning compliance may be addressed to the Regional Director of the Office for Civil Rights, Region 9, 50 UN Plaza, Room 239, San Francisco, California 94102.

Official Program Limits

A student who wishes to register for more than 16 units for fall or spring semester must obtain the approval of the major department chair at registration on an Add/Drop form. The maximum for which a student may enroll during a winter term is five units, and during summer term, 10 units. Additional units in a winter and summer term require the approval of the major department chair on an Add/Drop form. Enrollment for approved excess units is permitted beginning the first day of class. Units taken for Credit by Examination do not count toward excess units; however, concurrent enrollment courses, audited courses, and courses in which a student is making up an incomplete grade are all counted as part of the student's total course load, making them applicable to this regulation.

When courses in the 5000 series are included, a program normally may not exceed three courses or 12 units in fall or spring. Students with outside responsibilities are advised to reduce their study loads proportionately.

Petitions/Appeal of University Requirements

Students may petition university deadlines, or for waiver, or substitution of certain university-wide academic requirements, or request a review of decisions affecting their academic status. Petition forms and information concerning regulations may be secured from the Enrollment Services Office and the First-Year Programs and Advising Office. All such petitions must be reviewed and signed by the appropriate faculty, dean, and/or director as indicated on the back of the petition form. Undergraduate students should file petitions with the First-Year Programs and Advising Office or the Enrollment Services Office, and graduate program students should file petitions with the Graduate School Office. Generally, appeals concerning administrative deadlines that have passed should be directed to a college dean. A \$10 petition processing fee is charged.

A request for waiver or substitution concerning a departmental major, minor, or other requirements should be directed to the appropriate department. No processing fee is charged.

An Appeals Committee on Student Petitions has been established as advisory to the Provost. Petition decisions concerning academic status and certain academic requirements may be referred to the Appeals Committee via the First-Year Programs and Advising Office.

Postbaccalaureate Credit

All courses taken during the term in which a student earns a degree that are not needed to fulfill degree requirements will upon the approval of the Request for Postbaccalaureate Credit form, be indicated on the student's permanent academic record as acceptable postbaccalaureate credit*. Forms may be obtained on-line or at Enrollment Services, MSR 120.

Family Educational Rights and Privacy Act (FERPA)

Please refer to the Appendix.

Report in Progress

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.

Sexual Harassment Policy and Procedures**Preamble**

This policy provides a definition of sexual harassment. It specifies pre-disciplinary, pre-grievance procedures for report and resolving complaints of sexual harassment and recommends that an education program be initiated. Formal disciplinary and grievance procedures are already defined by existing policies, executive orders, codes, and collective bargaining contracts pertinent to University employees and students.

If the physical safety of any University individual is in question, the President will act immediately, within the authority of Title 5, Section 41301, the Education Code Sec. 22505 or the Penal Code Sec. 626.4 to protect the threatened party. Formal proceedings may be initiated immediately by the President in consultation with the Sexual Harassment Officer(s), and the appropriate grievance/disciplinary action officer.

No individual shall be subject to reprisal for using this policy, nor shall its use preclude subsequent disciplinary or grievance measures. All units of campus community are expected to comply with this policy.

Except as needed in processing the complaint, both the Sexual Harassment Advisers and Sexual Harassment Officers are required to maintain confidentiality in dealing with sexual harassment complaints.

Definition of Sexual Harassment

Sexual harassment is one person's use of University authority, rank, or position to distort a University relationship by conduct which emphasizes another person's sexuality. Sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature are forms of sexual harassment when the person with authority, rank, or position:

- a. Requires submission as an explicit or implicit condition of instruction, employment, or participation in any University activity; or
- b. Distorts academic or personnel evaluations based on response to such conduct; or
- c. Hinders performance by creating or allowing sexually intimidating, hostile, or offensive behavior to occur in the University or in a University-related setting.

Sexual harassment is unethical and unprofessional conduct, illegal, and against California State University, Stanislaus policy. It may occur in written, spoken, physical, and visual forms. The University will act to eliminate sexual harassment within its jurisdiction. A person with University authority, rank, or position must not use that power to create sexual pressure on someone else or on the workplace in general.

The University will evaluate each incident of alleged sexual harassment and apply appropriate remedies. It can dismiss employees or expel students for sexual harassment. The University recognizes that any member of the campus community might be called upon to listen to a complaint of alleged sexual harassment. The listener should be objective and attentive, while discouraging use of names. No records should be kept, nor should promises for specific action or final decisions be made. The listener should refer the complainant to a Sexual Harassment Adviser or to a University Sexual Harassment Officer. Complainants may go to the Sexual Harassment Officer without first consulting a Sexual Harassment Adviser and may request an investigation at any time.

Sexual Harassment Advisers (SHA)

All SHAs are volunteers. People who have successfully completed the course may serve as SHAs. Advisers will be available to serve a sources of initial information to any individual who has a complaint or who needs information about sexual harassment.

The names of the advisers shall be published at the beginning of each term. Advisers will have information about applicable laws, University policies and procedures, and options available for resolution of complaints.

The advisers shall:

- a. Serve as resource persons to individuals with complaints or inquiries which may involve sexual harassment;
- b. Advise the complainant regarding applicable University policies and procedures and outline various informal and formal options; and
- c. Inform the appropriate sexual harassment officer if a complaint is received which is deemed sufficiently serious to warrant further action.

Discussion between complainants and SHAs shall occur without a written complaint and without identification of the person bringing the complaint and shall not imply guilt or innocence. No written record of specific complaints or actions taken to this point in the procedures shall be kept. However, a simple tally of the number and type of complaints shall be kept and reported to the appropriate Sexual Harassment Officer at the end of each term.

If further action is requested by the complainant, the SHA shall refer the complainant to a Sexual Harassment Officer (SHO) and explain the responsibilities and duties of those officers. In addition, SHAs have an obligation to notify SHOs when it appears the University should act, even if the complainant has not requested further action. The SHA is not authorized to notify either the accused or the supervisor of the accused.

Sexual Harassment Officers (SHO)

Sexual Harassment Officers are presidential designees and in that capacity are accountable directly to the President. The SHOs shall be the Human Resources Director or designee, and the Director of Student Services.

SHOs are empowered to hear and evaluate each complaint of alleged sexual harassment and to attempt resolution. SHOs shall observe basic standards of due process and confidentiality in all actions.

The Sexual Harassment Officer shall pursue complaints promptly through the stages outlined below. Any discussion, investigation, or action taken under these procedures shall not conflict with student grievance procedures, regulations governing student affairs, collective bargaining contracts, and Executive Order 419.

Pre-Formal Resolution of Complaints

The complainant may choose to enter into a pre-formal discussion or to request that the SHO conduct an investigation immediately. (See Item 2 following).

1. Pre-Formal Discussion

Pre-formal discussion or resolution does not require a written complaint. Any SHO will hear complaints, determine the remedy sought, and review options for resolution. The review shall include a discussion of applicable University policies and procedures as well as external options for resolution. The SHO shall aid the complainant in identifying ways in which further harassment might be prevented. University policy requires that the Internal Relations Office keep written records of all complaints. Such records need not identify complainant or alleged harasser by name nor shall they be part of any individual's official file at this stage of the procedure.

At the request of the complainant, the SHO may attempt to resolve the situation by taking some or all of the following steps:

- a. Informing the alleged harasser directly or through an appropriate administrator or supervisor that a problem has been raised concerning that person's conduct.
- b. Informing the alleged harasser of University policy regarding sexual harassment.
- c. Assisting the alleged harasser in identifying behaviors which might lead to complaints and ways in which that behavior might be changed to avoid further complaints.
- d. Recommending that an oral or written warning or reprimand be issued to the alleged harasser.

2. Pre-Formal Investigation and Reporting

At the request of the complainant and upon receipt of a written and signed complaint, the SHO shall initiate investigation procedures, which may include meetings at which both the complainant and the alleged harasser are present.

At the conclusion of the investigation, if the SHO deems further action is warranted, a written report shall be submitted to the President. The report shall include a description of the facts, the remedy sought by the complainant, and recommendations for further action as deemed appropriate by the SHO. These recommendations shall be based upon the strength of evidence against the accused, the seriousness of action(s) that led to the complaint, and the remedy sought by the complainant. If formal disciplinary action is initiated, copies of the report shall be sent to the appropriate grievance/disciplinary action officer for faculty or staff or students, as well as to the complainant and the accused.

Upon receipt of the SHO's report, the President or appropriate grievance/disciplinary action officer shall:

- a. Make every attempt to resolve the complaint to the satisfaction of both the complainant and the accused;
- b. Inform both parties of procedures available to them should either be dissatisfied with the resolution of the complaint.

If such a meeting(s) results in a settlement, the terms of the settlement shall be put in writing and be signed by the complainant, the alleged harasser, and the SHO.

If either party is dissatisfied with actions taken up to this point, redress may be pursued through existing complaint, grievance, or disciplinary procedures in student policies and regulations, collective bargaining contracts, and Executive Order 419.

Sexual Harassment Educational Program

A University program should be offered which defines the nature of Sexual Harassment, its negative psychological effects, its destructive impact on productivity, and its potential costs in the event of litigation. The availability of such a program should be appropriately publicized within the University.

Student Classifications

Class level:

Freshman	0–29.9 acceptable completed semester units
Sophomore	30–59.9 acceptable completed semester units
Junior	60–89.9 acceptable completed semester units
Senior	90 or more acceptable completed semester units
Postbaccalaureate	Possesses acceptable baccalaureate or advanced degree
Graduate	Admitted to a master's or other graduate degree program

Admission status:

General	Met all admission requirements
Probational	Admitted with scholastic deficiency warning (see Scholarship Standards)
Conditional	Permitted to register pending official verification of admission status
Extension	Permitted to register for extension and open university coursework only; not admitted to the University
Visitor	Permitted to register for a single term only

Enrollment status:

Continuing	Student who had resident unit credit attempted during the prior term
Returning	A former matriculated student returning after an absence of one or more terms
New	Student who is registering in a regular term for the first time

Course Load Classifications

Audit enrollment does not yield unit load credit for other than fee purposes. Financial aid recipients must enroll at least half-time to qualify for payment from most campus-awarded funds. Payments will be prorated for full-time, three-quarter-time, half-time and in some limited cases less-than-half-time enrollment. Payments to unclassified graduate students and graduate credential candidates will be based on the credit totals defined for undergraduate students.

Undergraduate Full-time and Part-time Students:

All undergraduates are classified as full- or part-time by credit totals:

Classification	Fall/Spring Credits	Winter Credits	Summer Credits
Fulltime	10.0 or more	3.0 or more	6.0 or more
3/4	7.0–9.5	2.0–2.5	5.0-5.5
1/2	5.0–6.5	1.5	3.0-4.5
1/4	4.0–4.5	1.0	2.0-2.5
Less than 1/4	.5–3.5	.5	NA

Notes:

1. During the fall and spring semesters these classifications also apply to postbaccalaureate students enrolled for less than 4 credits of coursework applicable to any graduate program.
2. During winter and summer terms these classifications apply to postbaccalaureate students enrolled for less than 2 units of coursework applicable to any graduate program.
3. International students enrolled in 12 units are classified as full-time during fall or spring.
4. Veterans should refer to the section on Veterans status for classification information.
5. Financial Aid applicants should contact the Financial Aid Office for eligible enrollment level.

Graduate Classification

Postbaccalaureate students enrolled for 4 or more credits of coursework applicable to a graduate program are classified as full-time or part-time according to the unit totals shown below. Students must enroll for 2 or more units applicable to a graduate program during Winter Term to be classified in this category.

Classification	Fall/Spring Credits	Winter Credits	Summer Credits
Full-time	7.0 or more	2.0 or more	4.0 or more
3/4	5.5–6.5	NA	3.0-3.5
1/2	4.0–5.0	NA	2.0-2.5
1/4	NA	NA	1.0-1.5
Less than 1/4	NA	NA	NA

Note: International classified graduate students enrolled in 8 units are considered full-time and unclassified graduate students enrolled in 12 units are considered full-time students during fall and spring.

Transcripts

Official transcripts of courses attempted at CSU Stanislaus are issued only with the written permission of the student concerned. Partial transcripts are not issued. Transcript fees are as follows: \$4 for a single copy; \$2 for each additional transcript prepared at the same time up to ten copies; \$1 for each additional transcript prepared at the same time exceeding ten copies. A verification of enrollment fee is \$5. A priority transcript or enrollment verification request fee is \$10. Transcripts from other institutions which have been presented for admission or evaluation become a part of the student's permanent academic file. Students desiring transcripts covering work attempted elsewhere should request them from the institutions concerned. Students should allow 7-10 working days for transcript processing. Students may obtain copies of their CSU Stanislaus course history by logging on to their account online and accessing their information at www.csustan.edu.

Undergraduate Enrollment in Graduate Courses

Courses numbered 5000 through 6999 are graduate or professional postbaccalaureate courses. The only undergraduate students permitted to enroll in these courses are last term seniors within nine semester units of graduation, who have obtained the proper approvals. See Postbaccalaureate Credit earlier in this section.

Academic Standards

Grading System

Academic Grades

A/A– (Excellent): Student has demonstrated a high level of competence in meeting course objectives. Four grade points per unit of credit are awarded. (A– yields 3.7 grade points.)

B+/B/B– (Good): Student has demonstrated a more than satisfactory level of competence in meeting course objectives. Three grade points per unit of credit are awarded. (B+ yields 3.3 grade points and a B– yields 2.7 grade points.)

C+/C/C– (Satisfactory): Student has demonstrated a satisfactory level of competence in meeting course objectives. Two grade points per unit of credit are awarded. (C+ yields 2.3 grade points and a C– yields 1.7 grade points.)

D+/D/D– (Unsatisfactory): Student has demonstrated only a barely passing level of competence in meeting course objectives so that it is not necessary to repeat the course for credit. One grade point per unit of credit is awarded. (D+ yields 1.3 grade points and a D– yields 0.7 grade points.)

F (Failure): Student has not demonstrated a minimally passing competence in meeting course objectives. Credit is not merited. Zero grade points is assigned.

CR (Credit): Student has demonstrated at least a satisfactory C– level of competence in meeting course objectives (at least B– level in graduate courses). Not used in grade point average calculations.

NC (No Credit): Student has not demonstrated minimally satisfactory competence in meeting course objectives. Credit is not awarded. Not used in grade point average calculations.

Grade Availability

Students may access their term course grades on the Web at www.csustan.edu.

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.

I—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 in the following section.) 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 IC 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 under Academic Policies and Procedures in 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 graduate 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 coursework 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.

Credit/No Credit Grading

Any student may elect to be graded on a Credit/No Credit (CR/NC) basis in any course approved with a Credit/No Credit grading option. Courses approved for CR/NC are indicated as such in the Schedule of Classes. In no case shall more than one-third of the required upper-division or graduate units or courses in a degree program be graded CR. No more than 24 CSU Stanislaus CR semester units, including winter and summer term courses, but excluding credit from challenge examinations, may be applied toward a baccalaureate degree.

The student must elect the Credit/No Credit grading option on an Add/Drop form by the Enrollment Census Date of the term unless the instructor agrees to establish a later date and verifies this agreement by signing the student's Add/Drop form requesting the grade option change. Add/Drop forms are available from the Enrollment Services Office. The Credit (CR) grade is earned for C– work or better (B– or better in graduate courses) as judged by the instructor concerned. Credit (CR) and No Credit (NC) grades will have no effect on grade point average.

Upper-division courses graded CR/NC taken at this or another institution may not be used to satisfy requirements for the student's major except for those courses identified as graded exclusively on a CR/NC basis.

The only courses with a CR/NC option which may be repeated are those in which the student previously received a grade of "No Credit." If a course previously taken for a grade is repeated for a grade of "credit," only the original grade will be used in computation of the grade point average. (See Repeated Courses.)

Note: Students planning to attend graduate or professional schools should be aware that CR may be counted as a C and NC as an F by some graduate admissions officers.

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

Grading Options

CSU Stanislaus courses carry different grading options, indicated below, which are listed in the Schedule of Classes Informational Guide.

1. Courses graded exclusively Credit/No Credit.
2. Courses graded A, B, C, D, F—with the student's option to receive a Credit or No Credit grade.
3. Courses graded A, B, C, D, F.
4. Courses graded A, B, C, N/C (remedial courses only).

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.

Honors List of Students

Each semester CSU Stanislaus publishes a list of undergraduate honor students. To qualify for the list during the semester under consideration, a student must:

1. Register for and earn a minimum of 10 units of credit of graded coursework at the University, and
2. Achieve a 3.5 grade point average for all coursework attempted at the University that semester.

In addition to the List of Honor Students each semester, CSU Stanislaus also publishes a list of undergraduate students with honorable mention. To qualify for the list during the semester under consideration, a student must:

1. Register for and earn a minimum of 6 to 9 units of graded coursework at the University, and
2. Achieve a 3.5 grade point average for all coursework attempted at the University that semester.

Scholarship Standards

For the purpose of determining eligibility for a bachelor's degree, students must earn and maintain a grade point average of at least 2.0 (C). Failure to maintain standards of minimum competency will result in either academic probation or disqualification. (See Grade Point Computation and Baccalaureate Degree Requirements.)

Academic Probation

A student is subject to academic probation if at any time the cumulative grade point average in all college-level work attempted or cumulative grade point average at CSU Stanislaus falls below 2.0. A student shall be removed from academic probation when the cumulative grade point average in all college-level work attempted and the cumulative grade point average at CSU Stanislaus is 2.0 or higher. Any veteran who remains on academic probation beyond two consecutive semesters without a significant improvement in academic standing will be ineligible for veterans educational benefits and will be reported to the Department of Veterans Affairs.

Academic Disqualification

A student on academic probation is subject to academic disqualification when:

1. As a freshman (fewer than 30 semester hours of college work completed) the student falls below a grade point average of 1.50 in all units attempted or in all units attempted at CSU Stanislaus; or
2. As a sophomore (30 through 59 semester hours of college work completed) the student falls below a grade point average of 1.70 in all units attempted or in all units attempted at CSU Stanislaus; or

3. As a junior (60 through 89 semester hours of college work completed) the student falls below a grade point average of 1.85 in all units attempted or in all units attempted at CSU Stanislaus; or
4. As a senior or postbaccalaureate student (90 or more semester hours of college work completed) the student falls below a grade point average of 1.95 in all units attempted or in all units attempted at CSU Stanislaus.

A student not on academic probation becomes subject to academic disqualification when:

1. At the end of any term, the student has a cumulative grade point average below 1.0, and
2. The cumulative grade point average is so low that in view of the student's overall educational record, it seems unlikely that the deficiency will be removed within a reasonable period.

A student on probation will be continued on probation if not eligible for removal from probation or subject to disqualification. A student disqualified at the end of fall semester is eligible to attend winter term. In such cases the effective date of disqualification shall be the last day of the winter term. A student disqualified at the end of a spring semester is eligible to attend summer term. In such cases the effective date of disqualification shall be the last day of the summer term.

The Advising Resource Center may disqualify a student not on probation who has fewer cumulative grade points than cumulative credits attempted at the end of fall or spring semester, and whose cumulative grade point delinquency is so great that its removal within a reasonable period seems unlikely.

No student will be automatically disqualified. The Advising Resource Center will review the case of each student eligible for disqualification. Students also may be subject to expulsion, suspension, and/or probation for other causes. See Student Conduct in the Appendix.

Special Administrative Action

A student may be placed on administrative-academic probation for any of the following reasons:

1. Withdrawal from all or a substantial portion of a program of studies in two successive terms or in any three terms.
2. Repeated failure to progress toward the stated degree or other program objective, including that resulting from 15 credits of NC, when such failure appears to be due to circumstances within the control of the student.
3. Failure to comply, after due notice, with an academic requirement or regulation which is routine for all students or a defined group of students (e.g., failure to take EPT/ELM or other tests; failure to complete remedial or other specified coursework, etc.).

Written notification of such action shall provide the conditions for removal from probation and the circumstances which would lead to administrative-academic disqualification. Furthermore, a student who has been placed on administrative-academic probation later may be administratively disqualified if:

1. The conditions for removal of administrative-academic probation are not met within the period specified, or
2. The student becomes subject to academic probation while on administrative-academic probation, or
3. The student becomes subject to administrative-academic probation for the same or a similar reason for which the student has been placed on administrative-academic probation previously, although not currently in such status.

Written notification of such action shall provide an explanation of the basis for the action.

Reinstatement after Disqualification

Students who are disqualified may be considered for reinstatement by submission of a Reinstatement Petition to the Advising Resource Center. However, reinstatement generally is not approved for the semester immediately following disqualification. Advising Center decisions may be petitioned to the University Appeals Committee.

A reinstated student who has not been enrolled at the University for one year or who has matriculated at another institution since last attending CSU Stanislaus must also apply for readmission at the Enrollment Services Office to resume enrollment.

Students whose reinstatement petitions are approved will be readmitted on probation only, regardless of the grade point average earned at any other institution.

Academic Renewal

Courses with unsatisfactory grades either at CSU Stanislaus or at other institutions may be excluded from credit and grade point consideration if course repetition is inappropriate (e.g., change of major, or courses not offered at CSU Stanislaus), subject to all of the following provisions:

1. At least five calendar years must have elapsed since the coursework was attempted.
2. The student must be an undergraduate who has completed at CSU Stanislaus 15 semester credits with a 3.0 grade point average, or 30 semester credits with a 2.5 grade point average or 45 semester credits with a 2.0 grade point average.
3. A maximum of one academic year of coursework may be disregarded; when such action is taken, all work attempted during those terms must be disregarded.
4. The student must provide evidence that past performance was due to extenuating circumstances and that additional enrollment would be necessary to qualify for a degree if the request were not approved.
5. The permanent academic record will be annotated, ensuring a true and complete academic history. A student must initiate such action using an appropriate petition form; upon satisfaction of all the above four provisions and obtaining approval of the faculty adviser, College dean, and the Provost/Vice President for Academic Affairs, Admission and Records personnel will implement the policy.

Students admitted to CSU Stanislaus will have the academic renewal actions and policies of former institutions honored.

Baccalaureate Degree Requirements

To qualify for a baccalaureate degree, a student must comply with all University regulations and satisfy specific requirements in these areas:

1. **Units:** A minimum of 120 semester units is required. At least 40 units must be in courses recognized for upper-division credit.
2. **Residence:** A student must complete a minimum of 30 semester units at CSU Stanislaus. At least 24 of these 30 units must be earned in upper-division courses, at least 12 must be in the major, and at least 9 must be applicable to General Education–Breadth requirements (Title 5, California Code of Regulations, Sections 40403 and 40405). Credit in summer terms or special sessions may be counted as residence credit on a unit-for-unit basis. Extension course credit or credit by examination or evaluation will not be counted as residence credit.

Opportunity to Achieve Degree in Four Years

The University pledges that its curriculum and the scheduling of courses are designed to provide the opportunity for first-time freshman students to achieve a baccalaureate degree in four years.

To take advantage of this four-year graduation opportunity, students must fulfill the following requirements beginning in their freshman year:

- Satisfactorily complete all qualifying examinations when required;
- Enroll as a full-time student each term and complete a minimum of 30 units per year;
- Declare a major within the first semester of enrollment;
- Maintain the declared major program without change;
- Meet all academic, grade, and coursework requirements;
- Maintain minimum 2.0 cumulative, major, and CSU Stanislaus grade point averages;
- Meet with the assigned adviser each semester prior to registration and adhere to adviser curricular recommendations;
- Register each semester during priority registration and meet all University deadlines;
- Meet financial aid obligations, if applicable; and
- Adhere to all administrative and academic policies and procedures.

If a student has documentation to demonstrate that he/she has met fully each requirement stated in the degree pledge and is not able to graduate within the established timeline, the University will authorize the student to register in the remaining courses required for graduation without fees. This is the sole remedy for the University's failure to meet any of its obligations under its degree pledge. Complete details of requirements are available from the Advising Resource Center.

Transfer and part-time students are given the opportunity to complete a degree in a comparable and reasonable time frame. Interested students should consult the Advising Resource Center.



Catalog Year for Graduation Requirements

An undergraduate matriculated student who has been in continuous enrollment in regular sessions pursuing a degree may elect to meet baccalaureate graduation requirements in effect 1) at the time of first entering a California community college or CSU campus, 2) at the time of matriculation at CSU Stanislaus, or 3) at the time of graduation. For the purpose of this regulation, “continuous enrollment” means attendance in at least one semester each calendar year. Attendance in summer or winter term is not applicable to this regulation. An absence for an approved leave, or for attendance not to exceed two years at another regionally accredited college, may be permitted. Students who do not enroll at least part-time for one semester each calendar year risk the loss of rights to their original catalog year for graduation requirements.

Program admission and completion requirements for a credential or an additional degree or major will be established by the catalog applicable at the time of subsequent program admission. (See Evaluation of Transfer Credit in this catalog.)

Evening courses

Course offerings that satisfy General Education (GE) requirements have been expanded to give students more options for late afternoon and evening enrollment at the Turlock campus and at CSU Stanislaus Stockton Center. Courses that satisfy degree majors typically will be offered on a two- or three-year cycle, helping students plan and complete all lower-division and upper-division GE at the Turlock campus, as well as upper-division GE at the CSU Stanislaus Stockton Center within six semesters of evening enrollment. (See the current Schedule of Classes.)

Winter Term

The winter term offers students an opportunity to complete General Education, major and minor requirements, and to participate in unique courses designed for the winter term student. All students are encouraged to enroll in winter term courses.

Mathematics Competency

A demonstration of mathematics skills competency is a requirement for a bachelor’s degree. Satisfactory performance on the CSU Entry-Level Mathematics (ELM) examination or an approved alternative program of mathematics course work is required. Further information regarding this examination, placement, possible exceptions, and completion of the General Education mathematics requirement may be obtained from the Mathematics Department. (See Entry-Level Mathematics Requirement under the Admission section of this catalog.)

Graduation Application

A prospective candidate for a baccalaureate degree should submit an application for graduation to the Enrollment Services Office when two semesters remain to complete requirements for the degree, or when a minimum of 90 units has been earned toward completion of the degree. In any case, a student should not apply later than the date indicated in the academic calendar. Students who fail to graduate in the term for which they apply for graduation must reapply for a later term in order to be eligible for continuing undergraduate enrollment.

A prospective candidate for a baccalaureate degree must apply to the Enrollment Services Office for re-admission and be admitted for a new educational objective before April or October to qualify respectively for fall or spring Priority Registration.

Faculty Approval

Approval of the major adviser, department chair, and the Director of Academic Advising is required before the University may award a degree.

Graduation Honors

Graduation honors are awarded to students earning baccalaureate degrees at commencement on the basis of both their overall and CSU Stanislaus grade point averages achieved in their undergraduate work. Projected or estimated grade averages for degree candidates are excluded from grade point average calculations. Honors designation for Spring and Summer candidates in the Commencement program is based on grades earned by the end of Winter Term. To receive an honor, both averages must meet the standards as follows:

Cum Laude	3.40–3.59
Magna Cum Laude	3.60–3.79
Summa Cum Laude	3.80–4.00

These are minimum grade point average requirements. Calculations are not rounded upward to qualify a student. When there is a difference between the averages, the lower of the two will be used in determining the level of honors. (See Grading System section.)

Multiple Majors and/or Minors

Second majors, minors, and/or concentrations may not be comprised essentially of courses from the same discipline or requirements of the first major, minor, or concentration. In order to earn a second major, minor, or concentration a student must complete additional units greater than one-half of the upper-division unit requirement, in the second major, minor, or concentration.

Requirements for an Additional Baccalaureate Degree

A student may earn one degree and two majors with the second major posted to the student’s academic record as an additional major.

To qualify for an additional baccalaureate degree, students must:

1. Complete a minimum of 30 semester units in residence at CSU Stanislaus after requirements for the last degree have been met. Specific requirements include completing:
 - a. at least 24 upper-division units, and
 - b. at least 12 units in the new major.
2. Comply with all CSU Stanislaus graduation requirements, including:
 - a. the General Education requirements of the student’s current catalog year,

95 BACCALAUREATE DEGREE REQUIREMENTS

- b. satisfaction of the graduation mathematics and writing competency requirements, and
 - c. other institutional and system requirements in effect at the time of acceptance for the second degree or at the date of completion.
3. Obtain approval of the major department chair.
 4. Maintain at least a 2.0 (C) grade point average for all CSU Stanislaus residence coursework taken while pursuing the additional degree.
 5. Complete a major in a discipline other than that in which a previous degree was earned.

Rather than complete requirements for an additional degree, a postbaccalaureate student may complete only requirements for an additional major. This program must be completed under the supervision of an academic department.

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 (WVP) 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:

Course	Title	Semester in Effect
ACC 3125	Accounting Research and Communication	Fall 2001
ANTH/		
GEND 3900	Anthropology of Gender and Sexuality	Fall 1992
ANTH 4170	Economic Anthropology	Spring 2008
ANTH 4221	Folk Literature and Arts	Fall 1993
ART 4570	Senior Seminar in Art History	Winter 1993
ART 4960	Senior Seminar	Winter 1993
BIOL 4010/12	Research and Technical Writing in Biology	Fall 1994
BUS 3100	Business Technical Writing Communication	Summer 2005
CHEM 4420	Biochemistry II	Spring 1996
CJ 3170	Criminal Justice Research Methods	Spring 1994
COMM 3200	Communication Theory	Fall 2004
COMM 4140	Rhetorical Theory	Fall 2004
CS 4100	Programming Languages	Fall 1993
ECON 4335	Political Economy	Fall 1997
ENGL 3007	Business and Technical Communication	Spring 1981
ENGL 3009	Writing for Teachers	Fall 1981
ENGL 3012	Applied Writing (Computer-Assisted Instruction)	Fall 1997

BACCALAUREATE DEGREE REQUIREMENTS 96

ENGL 3150	Approaches to Literary Study	Spring 2005
ENGL 4600	Tutorial Projects in English	Fall 1992
FREN 4810	Linguistics and Language Instruction	Spring 1993
GEOG 4710	Field Methods	Fall 1993
GEOL 4500/02	Field Geology	Fall 1994
HIST 3000	Introductory Seminar in History	Fall 1992
HIST 4960	Senior Seminar	Fall 1992
HIST 4990	Senior Thesis	Fall 1992
LIBS 3000	Community and Diversity	Fall 1995
MATH 4960	Senior Seminar in Mathematics	Fall 1995
MUS 3260	Form and Analysis	Spring 2007
MUS 3370	Music in Secondary Schools	Spring 1994
NURS 3310	Nursing Leadership and Management	Spring 2005
NURS 3320	Pre-licensure Nursing Leadership and Management	Fall 2004
PHED 3700	Sport in Society	Fall 1993
PHIL 3400	Ethics	Fall 1992
PHIL 3500	Philosophy of Mind	Fall 1993
PHIL 4200	Advanced Study in the History of Philosophy	Fall 1992
PHIL 4500	Philosophy of Art	Fall 1992
PSCI 3010	Modern Political Thought	Spring 1993
PSCI 3304	Introduction to Public Administration	Fall 1993
PSYC 4102	Research Seminar in 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 Behavioral Research Seminar	Fall 2002
SOCL 3310	Social Inequalities	Fall 2006
SPAN 4810	Linguistics and Language Instruction	Spring 1993
THEA 3520	Theatre History II	Fall 1999

*Note: 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 Office. The upper-division Writing Proficiency (WVP) approved course list is **not** tied to the catalog of graduation. For further information, contact the WPST Office, (209) 667-3069.*

Interdisciplinary Programs

The programs described in this section are designed by California State University, Stanislaus to provide students with a unique course of study that incorporates traditional disciplines, as well as interdisciplinary and multidisciplinary perspectives. Whether through general education or a special baccalaureate major, these programs approach the pursuit of learning in creative and alternative ways. The interdisciplinary programs also are designed with a living-learning community element that fosters students' intellectual, personal, and professional growth.

First-Year Experience Program

Marjorie Jaasma, Ph.D., *Director*

Office: College of Humanities and Social Sciences
Vasché Library — L175
Phone: (209) 667-3531

The First-Year Experience (FYE) Program forms learning communities among interested students who take thematically related General Education classes and seminars together during their first semester. These learning communities, which have between 25 and 30 students in each, generate sustained interaction and foster bonds between students and faculty. Students are mentored by a peer leader — a successful CSU Stanislaus student who can help them adjust to campus. They also become better acquainted with campus resources and learn strategies to become successful students.

Research shows that students in the FYE program do better in class, make friends more easily, are more active on campus, and relate to faculty on a more personal level. In their assessment of the FYE program at CSU Stanislaus, students indicate that after the experience they want to return to this University for the next fall term; would recommend this University to a friend; view their college experience as a positive one; and are encouraged by the program to work together with other students.



General Education Program

The curriculum of general education is central to the mission of CSU Stanislaus and to the explicit commitment to a quality liberal arts education. Subject and/or unit requirements may be fulfilled according to the University's credit-by-examination policies.

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. (See Service Learning in the Student Affairs section of this catalog.)

Goals of the General Education Program

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.

Credit Policy for General Education

The Schedule of Classes Informational Guide 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.

Breadth Requirements for General Education

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.

General Education Curriculum

A. Communication Skills (9 units minimum)

1. Oral Communication Requirement

COMM 2000 Public Speaking, 3 units, **or**
 COMM 2005 Honors Communication Seminar, 3 units, **or**
 COMM 2110 Group Discussion Processes, 3 units

2. Written Communication Requirement

ENGL 1001 First-Year Composition, 3 units, **or**
 ENGL 1002 First-Year Composition (Computer Assisted Instruction), 4 units, **or**
 ENGL 1005 Honors Composition, 3 units

(All require an EPT score of 149 or above prior to enrollment.)

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

COMM 2300 Argumentation and Critical Thinking, 3 units **or**
 ENGL 2000 Critical Inquiry, 3 units, **or**
 PHIL 2000 Philosophical Inquiry, 3 units, **or**
 PHIL 2005 Honors Critical Thinking, 3 units, **or**
 PHIL 2100 Logic, 3 units

B. Natural Sciences and Mathematics (9 units minimum)

Note: Complete at least one course from each of the 3 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 2090 Chemistry and Biochemistry for Nurses, 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 (includes lab)
 GEOL 2000 California Geology, 3 units (no lab credit)
 GEOL 2100 Principles of Geology, 3 units (no lab credit)
 GEOL 2102 Principles of Geology Lab, 1 unit
 GEOL 2200 History of Earth and Life, 3 units
 GEOL 2202 History of Earth and Life Laboratory, 1 unit
 GEOL 2400 Introduction to Earth Science, 3 units (no lab credit)
 GEOL 2500 Dinosaurs, 3 units (no lab credit)
 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 2310 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**

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)

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 1030 Foundation Printmaking, Option A, Physical Strategies, 3 units
 ART 1035 Foundation Printmaking, Option B, Planographic Print Strategies,
 3 units
 ART 1040 Foundation Digital Media, 3 units
 ART 1100 Foundation Painting, 3 units
 ART 1200 Foundation Sculpture, 3 units
 ART 1340 Introduction to Ceramics, 3 units
 ART 1350 Looking at Art, 3 units
 ART 2515 Art History Survey-Ancient, 3 units
 ART 2520 Art History Survey-Modern, 3 units
 ART 2522 Art History Survey-Contemporary 1960 to Present, 3 units
 ART 2525 Art History Survey-Non-Western, 3 units (G)
 ART 2527 Art History Survey-Asian, 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, 2 units
 MUS 2430 University Chamber Singers, 1 unit
 MUS 2440 Wind Ensemble, 2 units
 MUS 2460 Symphony Band, 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
 ENGL 2010 Introduction to Creative Writing, 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 2300 Philosophy of Science, 3 units
 PHIL 2400 Contemporary Moral Issues, 3 units
 PHIL 2500 Philosophy and Film, 3 units
 PHIL 2700 Introduction to Political Philosophy, 3 units

3. Foreign Language

- Most lower-division language or literature course taught in a foreign language.
- 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.

- 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, 3 units
 HIST 3610 Colonial North America, 3 units
 HIST 3620 Early National United States, 3 units
 HIST 3630 U.S. Reconstruction Through World War II, 3 units
 HIST 3640 Contemporary United States, 3 units
 - One course covering United States Constitution and California State and local government:
 PSCI 1201 American Government, 3 units
2. A minimum of one course from each group is required. Requirements may be satisfied partially by acceptable scores on the CLEP Social Sciences General Examination.
- Human Institutions: Structures and Processes**
 BUS 1500 Introduction to Business, 3 units
 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)
 PSCI 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 Physical Geography, 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)

Note: Include one course from each group of courses:

- BUS 1040 Seminar in First-Year Experience, 2 units
 CIS 2000 Introduction to Computer Information Systems, 3 units
 CS 2000 Effective Computing, 3 units
 (Students may not use both CS 2000 and CS 4000 for GE requirements.)
 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
 MDIS 1040 Seminar in First-Year Experience, 2 units
 NURS 2040 Better Health with Self-Care, 2 units **and**
 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
- PHED 1010–1999 Physical Education Activities, 1 unit
 (Students age 25 years or older at time of entry into CSU Stanislaus will not be held to 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 GE coursework. 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 coursework in the discipline(s) of their major or concentration. The distribution of the 9 units must include 3 units from each of the three following areas:

1. Natural Science and Mathematics

- Biology**
 BIOL 3000 Frontiers in Biology, 3 units
 BIOL 3020 Introduction to Evolution, 3 units
 BIOL 4050 Ecosystem Case Studies, 3 units

- BIOL 4350 DNA: The Code of Life, 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
- (Students may not use both CS 2000 and CS 4000 for GE requirements.)
- d. **Honors**
HONS 3100 Methods of Inquiry in the Sciences, 3 units
- e. **Mathematics**
MATH 3030 Geometry for Teachers, 3 units
MATH 3350 Applied Mathematical Models, 3 units
- f. **Other Natural Sciences**
NSCI 3000 Science for Self-Sufficiency, 3 units
- g. **Physics and Physical Sciences**
ASTR 3000 Contemporary Astronomy, 3 units
GEOL 3050 Environmental Geology, 4 units
GEOL 3500 Earthquakes and Volcanoes, 3 units
GEOL 3600 Physical Oceanography, 3 units
GEOL 4810 Development and Management of Water Resources, 4 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 3011 Introduction to Rhetoric: A Semester at the Institution, 4 units
ENGL 3920 Survey of World Literature, 3 units
ENGL 3940 Multicultural American Literature, 3 units (G)
ENGL 3945 Multicultural California 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 Literatures 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. **Gender/Ethnic Studies**
GEND 4150 Gender and Ethnicity in Children's Literature and Culture,
3 units (G)
ETHS 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units
- (G)
- e. **Honors**
HONS 3000 Intellectual Methods in the Humanities, 3 units
- f. **Music**
MUS 3400 American Music, 3 units
MUS 3410 History of Jazz, 3 units
- g. **Philosophy**
PHIL 3010 Classics of Western Philosophy, 3 units

- PHIL 3050 Existentialism, 3 units
PHIL 4000 Philosophy Through Literature, 3 units
PHIL 4401 Professional Ethics, 3 units
PHIL 4430 Bioethics, 3 units
PHIL 4440 Business Ethics, 3 units
PHIL 4450 Eastern Philosophy: Concepts, Methods, and Context, 3 units (G)
- h. **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. **Agricultural Studies**
AGST 3000 Agriculture, Society, and the Natural World, 3 units
- b. **Anthropology**
ANTH 3000 Anthropology and Global Issues, 3 units (G)
ANTH 3010 The Great Discoveries, 3 units
ANTH 3070 Peoples and Cultures of Africa, 3 units (G)
ANTH 3080 Peoples and Cultures of the Caribbean, 3 units (G)
ANTH 3090 Peoples and Cultures of Latin America, 3 units (G)
ANTH 3105 Peoples and Cultures of the Pacific, 3 units (G)
ANTH 3106 Peoples and Cultures of Asia, 3 units (G)
- c. **Business Administration**
(Not for Business majors)
ACC 3005 Personal Financial Planning, 3 units
BUS 3000 Introduction to Global Business, 3 units
CIS 3780 Management Information Systems and Microcomputers, 3 units
CIS 4000 Personal Computer Security, 3 units
FIN 3210 Investment Management, 3 units
- d. **Cognitive Studies**
COGS 3100 Communication Networks, 3 units
COGS 4100 Philosophical Aspects of Cognitive Science, 3 units
- e. **Communication Studies**
COMM 3100 Advanced Interpersonal Communication, 3 units
COMM 3550 News from the Front: Media and Public Perception, 3 units
COMM 4220 Technology and Communication, 3 units
JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
JOUR 3040 History of Journalism, 3 units
- f. **Economics**
ECON 3100 Economic History of the United States, 3 units
ECON 4500 Economics of Investment, 4 units
- g. **Ethnic Studies**
ETHS 4200 The Minority Experience, 3 units (G)
- h. **Gender Studies**
GEND 3550 Society and Gender, 3 units
GEND 4100 Gender and Education, 3 units (G)
GEND 4530 Gender and Sexuality in Literature, 3 units (G)
- i. **Geography**
GEOG 3020 Human Ecology, 3 units
GEOG 3340 California Cultures and Environments, 3 units
- j. **Health**
HLTH 3500 Drugs in the Athletic Environment, 3 units
HLTH 4300 Family Health, 3 units (G)

107 INTERDISCIPLINARY PROGRAMS

- NURS 3040 Women's Health, 3 units
- k. **History**
HIST 3090 Contemporary World History, 3 units (G)
HIST 3400 The Great Teachings, 3 units (G)
- l. **Honors**
HONS 3050 Methods of Discovery, 3 units (G)
- m. **Nursing**
NURS 3040 Women's Health, 3 units
- n. **Politics and Public Administration**
PSCI 3055 Marx on the Human Condition, 3 units
PSCI 3225 Civil Liberties, 4 units
PSCI 4050 Political Ideologies, 4 units
PSCI 4318 Environmental Policy and Politics, 4 units
- o. **Psychology**
CDEV 3040 Child Development in Cultural Context, 3 units (G)
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
- p. **Sociology**
SOCL 3150 The Family, 3 units
SOCL 3820 Food and Culture in a Global Society, 3 units (G)
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 coursework 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 Global Social Issues, 3 units (F3)
ANTH 3070 Peoples and Cultures of Africa, 3 units (F3)
ANTH 3080 Peoples and Cultures of the Caribbean, 3 units (F3)
ANTH 3090 Peoples and Cultures of Latin America, 3 units (F3)
ANTH 3105 Peoples and Cultures of the Pacific, 3 units (F3)
ANTH 3106 Peoples and Cultures of Asia, 3 units (F3)
ANTH 3900 Anthropology of Gender and Sexuality, 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)
ART 2527 Art History Survey–Asian, 3 units (C1)
CDEV 3040 Child Development in Cultural Context, 3 units (F3)
COGS 4350 The Information of Meaning, 3 units
COMM 3550 News from the Front: Media and Public Perception, 3 units
COMM 4160 Intercultural Communication, 3 units
CJ 3315 Hate Crimes, 3 units
ENGL 3940 Multicultural American Literature, 3 units (F2)
ENGL 3945 Multicultural California Literature, 3 units (F2)
ENGL 4530 Gender and Sexuality in Literature, 3 units
ETHS 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units (F2)

INTERDISCIPLINARY PROGRAMS 108

- 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 3444 Gender and Sexuality in the Middle East, 4 units
GEND 3700 Ethnic and Gender Politics, 4 units
GEND 3900 Anthropology of Gender and Sexuality, 3 units
GEND 4100 Gender and Education, 3 units (F3)
GEND 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units (F2)
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
GEOG 4050 Restorative Human Ecology, 3 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)
HONS 3050 Methods of Discovery, 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 (F2)
PSCI 2030 Global Politics, 3 units (D2)
PSCI 3444 Gender and Sexuality in the Middle East, 4 units
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 3820 Food and Culture in a Global Society, 3 units (F3)
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)

General Education Summit Program

Marjorie Jaasma, Ph.D., *Coordinator*
Office: Vasche Library — L165

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The Summit Program

Students have the option of joining the Summit Program as an alternative way to fulfill 6 of their 9 units of Upper-Division General Education requirements (area F in your catalog). Currently, students select one course from each of three areas: Math/Sciences, Humanities, and Social Sciences.

The Summit Program provides an exciting way to fulfill 6 of these 9 units by enrolling in a cluster of courses. To fulfill 6 of the 9 units, students select a cluster that includes two courses in one of the following combinations: one Math/Science course (F1) and one Humanities course (F2); or one Math/Science course (F1) and one Social Science course (F3); or one Humanities course (F2) and one Social Science course (F3). For the curricular area not covered by the 2-course cluster, students will select an Upper Division General Education course from the traditional menu (F1, F2, or F3).

These are the features of the Summit Program:

- Each cluster includes 2 courses that have been linked on an engaging topic. Faculty members will integrate the courses so that what students learn in one course will become the foundation to the learning in the next course.
- Students will take the courses in the cluster with the same classmates. This will give them the chance to get to know each other and interact easily with each other in class discussions and group projects.
- The faculty members in the cluster may be interacting with students over both of the courses. Students will be able to develop a personal relationship with them—they will know students by name.
- Enrolling in the Summit Program can begin in the term in which a student attains upper-division status (completion of 60 semester units).
- Any student may enroll in any cluster, regardless of his/her major, and have the cluster fulfill the Upper Division GE requirements.
- Students must successfully complete all courses in the cluster to have these courses fulfill 6 of the 9 units of Upper-Division GE requirements.
- By completing the Summit Program, students also fulfill their multicultural requirement (Area G in your catalog). One course in each cluster has been designated as a Multicultural course.

- Summit courses used as upper-division GE cannot be electives for a major or concentration; they may be used as electives in a minor.

To enroll in the Summit Program, students select a cluster. If the first course in the cluster is offered in Fall semester, they should enroll in that course via Web Registration. They will be enrolled in the remaining course in the cluster by the program coordinator. If the first course in a cluster is offered during Winter term, students should enroll in that course via Web Registration and also enroll in the Spring term course via Web Registration. During the first class meeting of the cluster, students will complete a learning contract that summarizes information about the program.

Select from the following 4 clusters:

Cluster 1 War & Peace (fulfills Areas F1 and F2)

These classes will examine issues of global conflict in the post WWII era, focusing on the Cold War, the Vietnam War, and the Gulf War through film, literature, and technology.

Fall 2007: PHYS 3550, Physics for War, Physics for Peace, 3 units
Winter 2008: ENGL 3550, Years of War, Days of Peace: Post-1945 Literature and Film,* 3 units

Cluster 2 Waking Up to Nature: Ethics, Ecology, and Restoration Practices (fulfills Areas F2 and F3)

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 2007: PHIL 4050, Environmental Ethics, 3 units
Spring 2008: GEOG 4050, Restorative Human Ecology,* 3 units

Cluster 3 The Real World: A Theatrical Work in Progress (fulfills Areas F2 and F3)

This theme will bring together 3 diverse topics in an entertaining and educational way. The focus will be on real world application of accounting and chemistry, leading up to the creation of an original theatrical script.

Fall 2007: ACCT 3170, Real World Accounting, 3 units
Spring 2008: THEA 3170, Real World Theatre: Comic Improvisation,* 3 units

Cluster 4 Humans in the Information Age (fulfills Areas F2 and F3)

Why do we seek the kinds of information we seek? What is the meaning of that information? In this cluster, we will examine questions like these about information and meaning, such as what information we value and how we act on our choices.

III INTERDISCIPLINARY PROGRAMS

Winter 2008: COGS 4350, The Information of Meaning,* 3 units
Spring 2008: PHIL 4350, Human Interests and the Power of Information,
3 units

*Courses designated with an asterisk fulfill the Multicultural Requirement, Area G.

Honors Program

James A. Tuedio, Ph.D., *Director*
Helena A. Janes, Ph.D., *Co-Director*

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

The program is open to students from all majors. We admit cohorts of freshmen and juniors, and accept sophomore and mid-year applicants 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 their skills for intellectual reading, writing, thinking, discussion, and research.

In the sophomore year, Honors students focus their studies 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 their faculty mentor. The faculty mentor helps develop a creative and compelling research proposal, 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 presentations for the annual Honors Research Conference.

Students complete the Honors Thesis or Capstone Project by mid-spring and translate this into a journal publication and a public presentation for the Honors Conference in May.

INTERDISCIPLINARY PROGRAMS 112

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. We emphasize multi-disciplinary and interdisciplinary study of relevant social topics. Our goal is to promote intellectual curiosity and a personal engagement with learning. To this end, we focus on a broad spectrum of research and emphasize a rich variety of methods for investigating, analyzing, synthesizing, and communicating information.

There is considerable scholarship support for students in the program.

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:

HONS 1020 Mathematical Connections, 1 unit

Spring I:

PHIL 2005 Honors Critical Thinking, 3 units (G.E. area A3)

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

Sophomore Experience (7 units):

Fall II:

HONS 2990 Sophomore Seminar: Human and Social Institutions, 3 units

Spring II:

HONS 2010 Reading Seminar in the Social Sciences, 3 units (G.E. area D2b)

HONS 2850 Honors Service Learning Project, 1 unit

Junior Experience: Interdisciplinary Research (12 units):

III:

HONS 3000 Intellectual Methods in Humanities, 3 units (G.E. area F2)

HONS 3050 Methods of Discovery, 3 units (G.E. area F3)

HONS 3100 Methods of Inquiry in Sciences, 3 units (G.E. FI)

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

Senior Capstone Research and Analysis (8 units):

Fall IV:

HONS 4200 Senior Colloquium, 1 unit, **and**

HONS 4990 Honors Thesis*, 1-3 units, **or**

HONS 4995 Capstone Project*, 1-3 units, **or**

Discipline-based Honors Senior Thesis*

Winter III:

HONS 4990 Honors Thesis*, 1-3 units, **or**

HONS 4995 Capstone Project*, 1-3 units, **or**

Discipline-based Honors Senior Thesis*

Spring IV:

HONS 4960 Honors Presentation Seminar, 1 unit **and**

HONS 4990 Honors Thesis*, 1-3 units, **or**

HONS 4995 Honors Capstone Project*, 1-3 units, **or**

Discipline-based Senior Thesis*

**Students earn 6 units for completing the Honors Thesis or Senior Capstone Project.*

Course Descriptions

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).

HONS 1020 Mathematics Connections (1 unit)

Emphasis on group-based problem solving. Reflections on the value and application of quantitative reasoning. Emphasis on developing practical approaches to mathematical learning.

HONS 1960 Honors Colloquium: Issues and Advocacy (1 unit)

A series of interactive discussions with faculty and guest speakers from different disciplines. Emphasis is on discussing significant social problems or issues from a broad range of intellectual perspectives.

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.

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.

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.

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. One of two paired courses in the G.E. Summit Program. Satisfies G.E. area F2.

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. One of two paired courses in the G.E. Summit Program. Satisfies G.E. areas F3 and G.

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. Satisfies G.E. area F1.

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 a provisional research proposal for Honors Thesis or Capstone Project. Satisfies G.E. area E1. (Spring of junior year.)

HONS 3850 Directed Research Practicum (1 unit)

Typically comprises research contributing to design and implementation of a senior thesis or capstone project, performed under close faculty mentorship. Requires consent of faculty research mentor. May be repeated once for credit with a draft research proposal and consent of faculty research mentor.

HONS 3990 Capstone Research Proposal (1 unit)

Independent research and discussions with research mentor leading to an approved research proposal for thesis or capstone project. Emphasis on framing a creative approach to research topic using congruent methods from different disciplines. Requires concurrent enrollment in HONS 3050. (Spring of junior year)

HONS 4200 Senior Colloquium (1 unit)

Students meet to discuss one another's capstone research proposals and to critique work in progress. Prerequisite: Approved Honors capstone research proposal for a Senior Thesis or Capstone Project. (Fall of senior year)

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)

HONS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced or specialized study. May be repeated for a total of six units. Prerequisite: Consent of instructor and Honors Program Director.

HONS 4990 Honors Thesis (1-3 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.

Multidisciplinary Studies

Office: Vasché Library — L165
Phone: (209) 667-3254

The University offers multidisciplinary courses outside the departmental and school structure. These courses are given the MDIS prefix.

Course Descriptions

Lower Division

MDIS 1000 First-Year Experience (3 units)

A student-centered course that introduces college-level modes of discussion, analysis, argument, and orderly presentation. The course content is based on contemporary issues and values, including the values and directions to be discovered in a university education. Students are offered the opportunity to translate their personal values into effective career and life choices. (Fall, Spring)

MDIS 1040 Seminar in First-Year Experience (2 units)

(Formerly Freshmen Experience Seminar) (Same as BUS 1040) Introductory seminar explores relationships between two linked academic courses; supports academic adjustment and skill enhancement; and connects students with faculty, peer advisors, and campus resources and services. Students will have the opportunity to reflect on course content individually and in groups, and define their learning goals. Satisfies G.E. area E1. Corequisites: Identified linked academic courses.

MDIS 2500 Leadership Development (3 units)

Explores leadership theories and their applications in organizations, especially within a university context. Emphasis on skill-building through interactive learning and a service learning project. (Fall, Spring)

MDIS 2950 Selected Topics in Multidisciplinary Studies (1-5 units)

(Topics to be specified in class schedule) Development of a selected topic in multidisciplinary study. Topics vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division

MDIS 3010 Seminar in Community Learning (1 unit)

A discussion seminar for students doing community service projects. Requires students from various disciplines to exchange ideas with each other and participating faculty as they assess the effectiveness of their service learning efforts.

MDIS 3400 Latin-American Cultures (3 units)

A survey of Latin-American cultures, to include ethnic heritage, rural and urban lifestyles, major institutions, social classes, family life, views on reality, values, and contemporary issues. Taught in English. Satisfies G.E. area G.

MDIS 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised, paid employment in a particular multidisciplinary program. Students are placed in private or public sector positions under the supervision of the employer and the departmental Cooperative Education Coordinator. May be repeated for a total of 8 units, depending upon program policy. Prerequisites: Sophomore standing; consent of departmental Co-op coordinator. (Fall, Winter, Spring)

MDIS 4930 Peer Advising (2 units)

Explores principles for effectively communicating with individuals from diverse backgrounds in a group setting. Sociological analysis of transition and adaptation styles are included. Participant observation is employed as students impart information and become active listeners in the academic setting. Corequisite: MDIS 4933. Prerequisite: Consent of instructor. (Lecture, 1 hour; activity, 2 hours)

MDIS 4935 Peer Advising Internship (2 units)

Provides an opportunity to acquire supervised, practical experience as a peer adviser in the university setting. Attendance at regularly scheduled meetings and a written journal are required. May be repeated for credit. Prerequisite: Consent of instructor.

MDIS 4950 Selected Topics in Multidisciplinary Studies (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in multidisciplinary study. Topics vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

117 INTERDISCIPLINARY PROGRAMS

MDIS 4980 Individual Study (1-4 units)

For undergraduate students prepared for independent study designed to supplement regular course offerings. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Special Major

Strongly motivated students may design a special BA/BS interdisciplinary academic program leading to a degree not offered through existing programs. Students interested in a Special Major should seek a volunteer faculty advisory committee consisting of three professors from at least two disciplines. A program designed jointly with this faculty committee is then submitted for approval on a Request for Special Major Program form.

A Special Major program must comply with the standard graduation requirements listed under Baccalaureate Degree Requirements. The program must consist of at least 30 upper-division semester units in the major, of which 18 upper-division semester units must be completed after approval of the BA/BS Special Major by the Special Major Coordinator. Each college dean is responsible for supporting the Special Major program as the Special Major Coordinator. The student will be assigned to the college that houses the department of the lead faculty member.

College of the Arts

Daryl Moore, M.F.A., *Dean*
 Gordon Senior, P.D., *Chair, Department of Art*
 Deborah Kavasch, Ph.D., *Chair, Department of Music*
 Clay Everett, M.F.A., *Chair, Department of Theatre*

Office: Vasché Library — L165
 Phone: (209) 667-3959

The College of the Arts, which encompasses the departments of Art, Music, and Theatre, is founded on the premise that the arts are central to the human spirit and to intellectual and social life. The College of the Arts serves to instill, inspire, model, and celebrate creativity; to share and understand creative efforts throughout history and from across cultures; and to develop and nurture creative and artistic expression. The College of the Arts is also designed to serve as a center for cultural and artistic activity for the region.

Department of Art

Gordon Senior, P.D., *Chair*

Office: Art Building — A38
 Phone: (209) 667-3431

Professors: Barnett, Olivant, Robbin, Savini, Shirvani, Werness

Associate Professor: Senior

Assistant Professors: DeCocker, Gomula

The Art Department promotes the creation and historical understanding of art and design by offering curriculum that exposes students to a diverse range of art-making processes and a broad spectrum of artistic and intellectual models taught by an energetic faculty of practicing artists and scholars.

Bachelor of Fine Arts in Art

Bachelor of Arts in Art

Art History Concentration

Subject Matter Preparation Program in Art

Minor in Art

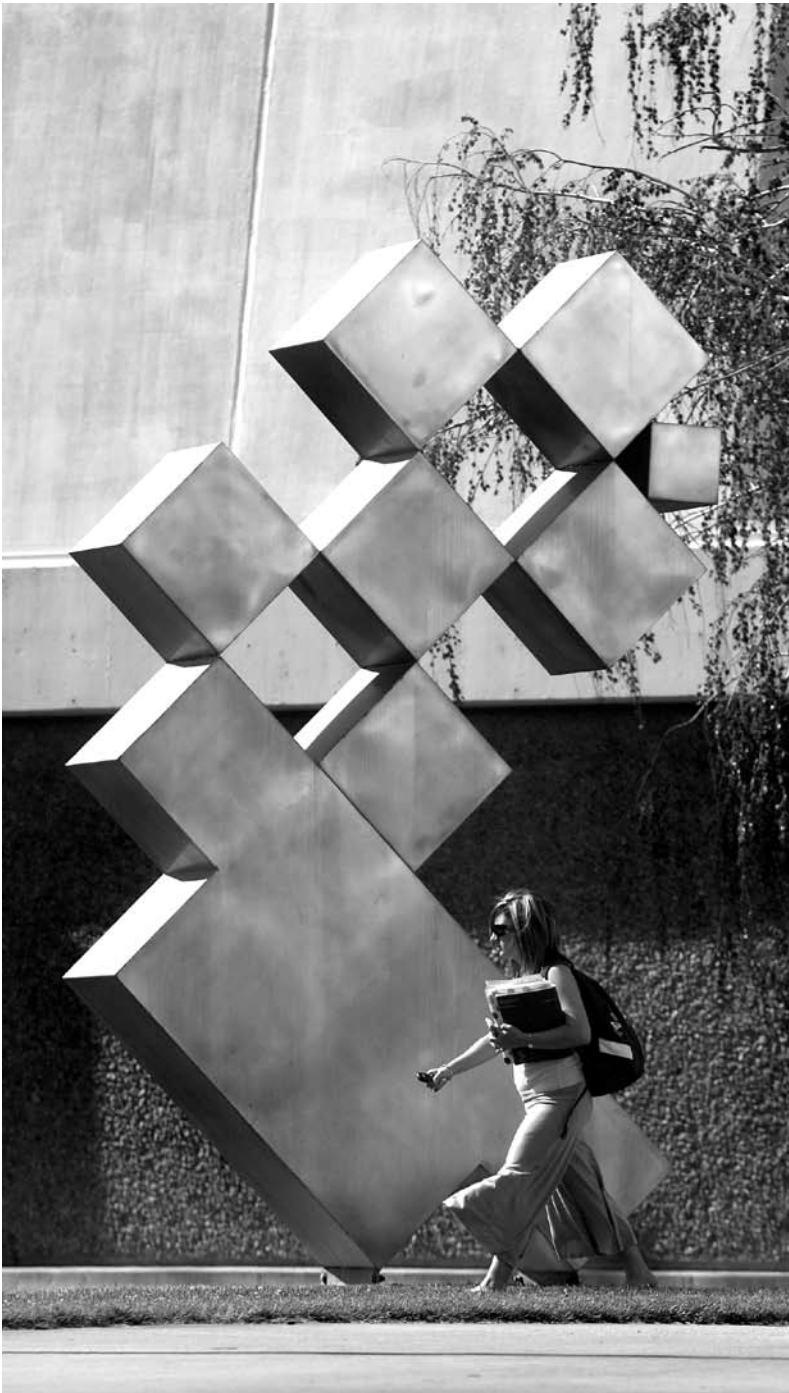
Minor in Art History

Liberal Studies degree concentration in Art

Also offered is a postbaccalaureate Printmaking Certificate Program. See the Graduate Catalog.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts or the Bachelor of Fine Arts degree (51 units).



2. Complete University requirements for the specific degree program.
3. Participate in an exhibition of graduating BA/BFA candidates, with the exception of Art History students.

Bachelor of Fine Arts in Art

Admission to the program will be by portfolio review after completion of the lower-division prerequisites to the major. Students transferring from a community college may submit a portfolio for review and be admitted directly into the BFA program if they have completed courses equivalent to the lower-division prerequisites. Students also may apply while enrolled in the upper-division BA degree in Studio Art. A 3.0 grade point average must be achieved to enter the program and maintained to continue in the program. If the grade point average drops below 3.0, the student will be reassigned to the BA degree program. Please contact the Art Department for further information regarding the program and scheduling portfolio reviews.

1. Complete lower division (prerequisites) to the major (24 units):

ART 1010 Foundation Drawing, 3 units
 ART 1030 Foundation Printmaking (Option A or B), 3 units
 ART 1040 Foundation Digital Media, 3 units
 ART 1100 Foundation Painting, 3 units
 ART 1200 Foundation Sculpture, 3 units

ART 2515 Art History Survey — Ancient, 3 units, **or**
 ART 2525 Art History Survey — Non-Western, 3 units **or**
 ART 2527 Art History Survey — Asian, 3 units

ART 2520 Art History Survey — Modern, 3 units
 ART 2522 Art History Survey — Contemporary, 3 units

The Major (58 units)

1. Complete the following requirements (13 units):
 - ART 4580 Exhibition Design and Gallery Management, 1 unit (must be repeated over 3 semesters for a total of 3 units)
 - ART 4930 Professional Practices, 3 units
 - ART 4960 Senior Seminar (WP), 4 units
 - ART 4965 Bachelor of Fine Arts Critical Concepts, 1 unit (must be repeated over 3 semesters for a total of 3 units)
2. Complete the following Art History requirements (9 units):
 - ART 4525 Italian Renaissance Art, 3 units
 - ART 4545 Modern Art, 1870-1945, 3 units
 - ART 4550 Art of the Post Modern Era, 3 units
3. Select one of the following electives (3 units):
 - ART 4410 Art and Creativity, 3 units
 - ART 4400 New Media Theory, 3 units
 - PHIL 4500 Philosophy of Art (WP), 3 units

4. Complete a minimum of 24 units from one of the following areas of emphasis (minimum 24 units):
 - a. **Painting**
 - ART 3000 Color, 3 units
 - ART 3010 Drawing the Human Figure from Memory, 3 units
 - ART 3200 Painting from Observation I, 3 units
 - ART 3210 Painting from the Unconscious I, 3 units
 - ART 3212 Painting from the Unconscious II, 3 units
 - ART 3220 Painting: Original Form, 3 units
 - ART 3230 Painting the Human Figure, 4 units
 - ART 4200 Painting from Observation II, 3 units
 - ART 4210 Modern Painting, 4 units
 - ART 4425 Advanced Studio, 4 units
 - b. **Printmaking**
 - ART 3100 Relief Printmaking, 3 units
 - ART 3110 Intaglio, 3 units
 - ART 3120 Lithography, 4 units
 - ART 3130 Serigraphy, 4 units
 - ART 3142 Intaglio Color Printmaking, 4 units
 - ART 3152 Mono-Printmaking, 4 units
 - ART 4425 Advanced Studio, 4 units
 - c. **Sculpture**
 - ART 3300 Multimedia: Assemblages and Construction, 3 units
 - ART 3320 Carving, 3 units
 - ART 3330 Metal Casting, 4 units
 - ART 3340 Figure Sculpture, 3 units
 - ART 3350 Ceramic Sculpture, 3 units
 - ART 3360 Construction Sculpture, 3 units
 - ART 3370 Sculpture in Context, 3 units
 - ART 3380 Public Sculpture, 3 units
 - ART 3615 Consumer Objects: Mold Making and Casting, 3 units
 - ART 4425 Advanced Studio, 4 units
 - d. **Time Based Media**
 - ART 3620 The Moving Image — Video and Film Making, 3 units
 - ART 3630 Still Photograph I, 3 units
 - ART 3640 Digital Photography, 3 units
 - ART 3650 Analog Photography, 3 units
 - ART 3700 Computer Art, 3 units
 - ART 4425 Advanced Studio, 4 units (electives as approved by advisor, 8 units)
 - e. **Graphic Arts**
 - ART 3500 Graphic Design, 3 units
 - ART 3510 Web Based Environments, 3 units
 - ART 3520 Lettering and Typography, 3 units
 - ART 3530 Illustration, 3 units
 - ART 3605 Text and Image, 3 units
 - ART 4425 Advanced Studio, 4 units (electives as approved by advisor, 5 units)

- f. **Mixed Subject**
Students may design their own programs combining areas of emphasis in consultation with their BFA adviser.
5. Complete studio electives outside the area of emphasis (9 units):
ART 4920 Art in Action, 3 units
ART 4980 Individual Study, 1-4 units
ART 4950 Selected Topics in Art, 3 units
6. Participate in an exhibition of the work of graduating BFA candidates.

Bachelor of Arts in Art

Complete lower-division prerequisites to the major (21 units)

ART 1010 Foundation Drawing, 3 units
ART 1030 Foundation Printmaking (Option A), 3 units, **or**
ART 1035 Foundation Printmaking (Option B), 3 units, **or**
ART 1040 Foundation Digital Media, 3 units

ART 1100 Foundation Painting, 3 units
ART 1200 Foundation Sculpture, 3 units

ART 2515 Art History Survey — Ancient, 3 units, **or**
ART 2525 Art History Survey — Non-Western, 3 units **or**
ART 2527 Art History Survey — Asian, 3 units

ART 2520 Art History Survey — Modern, 3 units
ART 2522 Art History Survey — Contemporary, 3 units

The Major (37 units)

- Complete the following course:
ART 4960 Senior Seminar (VVP), 4 units
- Complete upper-division coursework from the areas below for a total of 18 units:

a. **Painting**

ART 3000 Color, 3 units
ART 3010 Drawing the Human Figure from Memory, 3 units
ART 3200 Painting from Observation I, 3 units
ART 3210 Painting from the Unconscious I, 3 units
ART 3212 Painting from the Unconscious II, 3 units
ART 3220 Painting: Original Form, 3 units
ART 3230 Painting the Human Figure, 4 units
ART 4200 Painting from Observation II, 3 units
ART 4210 Modern Painting, 4 units
ART 4425 Advanced Studio, 4 units

b. **Printmaking**

ART 3100 Relief Printmaking, 3 units
ART 3110 Intaglio, 3 units
ART 3120 Lithography, 4 units
ART 3130 Serigraphy, 4 units
ART 3142 Intaglio Color Printmaking, 4 units
ART 3152 Mono-Printmaking, 4 units

- ART 4425 Advanced Studio, 4 units
- c. **Sculpture**
ART 3300 Multimedia: Assemblages and Construction, 3 units
ART 3320 Carving, 3 units
ART 3330 Metal Casting, 4 units
ART 3340 Figure Sculpture, 3 units
ART 3350 Ceramic Sculpture, 3 units
ART 3360 Construction Sculpture, 3 units
ART 3370 Sculpture in Context, 3 units
ART 3380 Public Sculpture, 3 units
ART 3615 Consumer Objects: Mold Making and Casting, 3 units
ART 4970 New Genre, 3 units
ART 4425 Advanced Studio, 4 units
- d. **Time Based Media**
ART 3620 The Moving Image — Video and Film Making, 3 units
ART 3640 Digital Photography, 3 units
ART 3650 Analog Photography, 3 units
ART 3700 Computer Art, 3 units
ART 4425 Advanced Studio, 4 units
- e. **Graphic Arts**
ART 3500 Graphic Design, 3 units
ART 3510 Web Based Environments, 3 units
ART 3520 Lettering & Typography, 3 units
ART 3530 Illustration, 3 units
ART 3605 Text and Image, 3 units
ART 4425 Advanced Studio, 4 units
3. Complete the following required courses (12 units):
ART 4545 Modern Art, 1870-1945, 3 units
ART 4550 Art of the Post Modern Era, 3 units
ART 4930 Professional Practices, 3 units

Art History Concentration

Art History courses span the history of the visual arts, giving students a broad understanding of the history, methodology, and cultural background of Western and Non-Western art. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).

- Complete the following prerequisites to the major (18 units):

Art History (9 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 or
ART 2527 Art History Survey-Asian, 3 units

Studio Courses – Select from the following courses for a total of 9 units:

ART 1010 Foundation Drawing, 3 units
ART 1030 Foundation Printmaking, (Option A) 3 units **or**
ART 1035 Foundation Printmaking (Option B) 3 units

- ART 1040 Foundation Digital Media, 3 units
 ART 1100 Foundation Painting, 3 units
 ART 1200 Foundation Sculpture, 3 units

Complete the major of not less than 30 upper-division units.

Note: Students pursuing the Art History concentration are encouraged to satisfy, in part, the General Education requirements in Area C, Humanities, by taking a foreign language.

The Major (30 units)

1. Select at least six courses in the following area (18 units):
 ART 4515 Art of the Classical World, 3 units
 ART 4520 Art of the Medieval World, 3 units
 ART 4525 Italian Renaissance Art, 4 units
 ART 4530 Northern Renaissance Art, 3 units
 ART 4535 Art of the Baroque Age, 3 units
 ART 4560 Pre-Colombian Art, 3 units
 ART 4565 African Art, 3 units
2. Select two of the following classes (6 units):
 ART 4540 Early Modern Art, 1800-1870, 3 units
 ART 4545 Modern Art, 1870-1945, 3 units
 ART 4550 Art of the Post Modern Era, 3 units
 ART 4555 American Art, 3 units
3. Select one of the following courses (3 units):
 ART 4930 Professional Practices, 3 units
 ART 4950 Selected Topics in Art, 1-5 units
 ART 4980 Individual Study, 1-4 units
4. Complete the required course:
 ART 4570 Senior Seminar in Art History (VWP), 3 units

Subject Matter Preparation Program in Art

Designed for students who wish to enter credential programs to teach art in secondary schools. Approved by the California Commission on Teacher Credentialing. Fulfills subject matter competency prerequisite for entrance into a credential program for a single subject teaching credential in art.

1. Complete the University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following core courses (37 units):
 ART 1010 Foundation Drawing, 3 units
 ART 1020 Drawing II: Composition, 3 units **or**
 ART 2010 Drawing the Human Figure from Observation, 3 units
 ART 1100 Foundation Painting, 3 units
 ART 1200 Foundation Sculpture, 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
 ART 3200 Painting from Observation, 3 units
 ART 4545 Modern Art, 1870-1945, 3 units
 ART 4860 Understanding and Creating Art, 3 units

- ART 4870 World Crafts, 3 units
 ART 4960 Senior Seminar (VWP), 4 units

3. Complete the following breadth and perspective courses (18-24 units):
 - a. Select one of the following:
 ART 3100 Relief Printmaking, 3 units
 ART 3110 Intaglio, 3 units
 ART 3120 Lithography, 4 units
 - b. Select one of the following:
 ART 3210 Painting from Imagination, 3 units
 ART 3220 Painting: Original Form, 3 units
 ART 3230 Painting the Human Figure, 4 units
 - c. Select one of the following:
 ART 3300 Multimedia: Assemblages and Construction, 3 units
 ART 3320 Carving, 3 units
 ART 3330 Metal Casting, 4 units
 - d. Select three of the following:
 ART 3000 Color, 3 units
 ART 3010 Drawing the Human Figure from Memory, 3 units
 ART 3020 Drawing: Original Form, 3 units
 ART 3030 Intermediate Drawing, 3 units
 ART 3130 Serigraphy, 4 units
 ART 3142 Intaglio Color Printmaking, 4 units
 ART 3152 Mono-Printmaking, 4 units
 ART 3340 Figure Sculpture, 3 units
 ART 3350 Ceramic Sculpture, 3 units
 ART 3700 Computer Art, 3 units
 ART 3820 A Visual Approach to Learning and Teaching, 3 units
 ART 3842 Children's Art and Modernism, 3 units
 ART 4210 Modern Painting, 4 units
 ART 4425 Advanced Studio, 4 units
 ART 4550 Art of the Post Modern Era, 3 units
 ART 4920 Art in Action, 3 units
 ART 4970 New Genre Art, 3 units
 PHIL 4500 Philosophy of Art (VWP), 3 units

Note: Students intending to enter the Credential Program should consult the Teacher Education section of the Graduate catalog for additional requirements.

Minor in Art

Requirements (30 units)

1. Complete prerequisites to the major as listed previously in subsection two of the "Requirements" section, Bachelor of Arts in Art (21 units).

Complete lower-division prerequisites to the major (21 units):

- ART 1010 Foundation Drawing, 3 units*
 ART 1030 Foundation Printmaking, (Option A), 3 units **or**
 ART 1035 Foundation Printmaking, (Option B), 3 units **or**
 ART 1040 Foundation Digital Media, 3 units
 ART 1100 Foundation Painting, 3 units

ART 1200 Foundation Sculpture, 3 units
 ART 2515 Art History Survey –Ancient, 3 units, **or**
 ART 2525 Art History Survey –Non-Western, 3 units **or**
 ART 2527 Art History Survey-Asian, 3 units
 ART 2520 Art History Survey –Modern, 3 units
 ART 2522 Art History Survey –Contemporary, 3 units]

2. Choose one course from each of the following areas:

a. Printmaking

ART 3100 Relief Printmaking, 3 units
 ART 3110 Intaglio, 3 units
 ART 3120 Lithography, 4 units
 ART 3152 Mono Printmaking, 4 units

b. Painting

ART 3200 Painting from Observation I, 3 units
 ART 3210 Painting from the Unconscious I, 3 units
 ART 3220 Painting: Original Form, 3 units

c. Sculpture

ART 3300 Multimedia: Assemblages and Construction, 3 units
 ART 3320 Carving, 3 units
 ART 3330 Metal Casting, 4 units
 ART 3340 Figure Sculpture, 3 units

Minor in Art History

Requirements (18 units)

1. Complete a minimum of six units from the following lower-division courses:

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

2. Select 12 units of upper-division coursework in consultation with the minor adviser.

Liberal Studies Concentration in Art

Please refer to the Liberal Studies section of the catalog.

Learning Objectives

Students who complete the degree program leading to a Bachelor of Art degree in studio or Art History will have achieved:

- A broad understanding of major techniques, processes, and theoretical approaches to drawing, painting, printmaking, sculpture, and new media.
- A broad critical knowledge of important cultures, movements, periods, styles, and individuals in the History of Art.
- The ability to prosper creatively from critical input and exposure to varied viewpoints and backgrounds.
- The ability to progress from an idea through stages to a completed creative statement that exhibits originality, conviction, and quality.

- The ability to benefit through a professional involvement directly or indirectly related to visual art.
- The ability to value the self-enriching nature of Art and to see parallel applications in other endeavors in life.

Course Descriptions

It is understood that all lower-division coursework must be completed prior to admission to upper-division coursework. Admission to courses may be granted by consent of instructor. Upper-division courses may be repeated for credit with new projects assigned. Studio projects may include work from studies of nude models and field trips to art museums.

Art

Lower Division

ART 1000 Introduction to Studio Art (3 units)

(Formerly Introduction to Drawing) An introduction to art as representation and expression for the General Education and Liberal Studies student, providing an overview of creativity based on personal experience and on the experience of diverse cultures from the past and present. Satisfies G.E. area C1.

ART 1010 Foundation Drawing (3 units)

(Formerly Drawing I: Direct Observation) Develop coherent visual communication and expression through the exploration of a diverse range of drawing methodologies. Satisfies G.E. area C1 (CAN ART 8) (Fall)

ART 1020 Drawing II: Composition (3 units)

(Formerly Drawing II) Studio work in two-dimensional media, aimed at developing an understanding of compositional models and meanings, as they have evolved in the artistic styles of traditional and modern masters. Prerequisite: ART 1010. (Spring)

ART 1100 Foundation Painting (3 units)

(Formerly Visual Principles, Two-Dimensional) Students are given the opportunity to develop coherent visual communication and expression through the exploration of a diverse range of painting methodologies. Satisfies G.E. area C1. (CAN ART 14) (Fall)

ART 1200 Foundation Sculpture (3 units)

(Formerly Visual Principles, Three-Dimensional) An opportunity for students to develop coherent visual communication and expression through the exploration of a diverse range of sculptural methodologies. Satisfies G.E. area C1. (CAN ART 16) (Spring)

ART 1340 Introduction to Ceramics (3 units)

A lower-division G.E. course designed to give students experiences in clay. A 3-D exploration of form in space. Basic ceramic principles and techniques in handbuilding ceramic sculpture. May be repeated once for credit, but only three units may be applied toward G.E. requirement. Satisfies G.E. area C1. (CAN ART 6)

ART 2010 Drawing the Human Figure from Observation (3 units)

Studies from direct observation, focused on the mastery of traditional and modern methods of drawing from the nude model and how it is uniquely employed as subject matter and as a compositional element in visual art.

ART 2515 Art History Survey—Ancient (3 units)

Survey of the major visual arts from prehistoric times to the Renaissance. Satisfies G.E. area C1. (CAN ART 2) (Fall)

ART 2520 Art History Survey—Modern (3 units)

Survey of the major visual arts from the Renaissance to important movements of the 20th century and contemporary art. Satisfies G.E. area C1. (CAN ART 4) (Spring)

ART 2522 Art History Survey—Contemporary, 1960 to Present (3 units)

Survey of the major visual arts from c. 1960 to the present. Satisfies G.E. area C1.

ART 2525 Art History Survey—Non-Western (3 units)

Survey of the art of non-Western cultures, concentrating on the sculpture, architecture, and crafts of the Orient, the Americas before Columbus, Africa, and Oceania. Satisfies G.E. areas C1 and G.

ART 2527 Art History Survey—Asian (3 units)

Survey of the Art of Asia from the Bronze Age until the present, emphasizing the influence of Buddhism, Hinduism, and Taoism on visual culture. Satisfies G.E. areas C1 and G.

ART 2530 Art Appreciation (3 units)

Study of the basic elements of the visual arts (color, line, form, etc.) with emphasis on developing a critical appreciation of various modes of expression. Also stressed are techniques and media, functions and themes in art, the role of the artist, and major stylistic trends in the history of art. Not open to art majors. Satisfies G.E. area C1.

ART 2950 Selected Topics in Art (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in art. Topics will vary. Different topics may be taken for credit.

Upper Division**ART 3000 Color (3 units)**

Studio work aimed at developing a clear working understanding of color, primarily as it is experienced in direct observation and as the focus in the creation of artistic form.

ART 3010 Drawing the Human Figure from Memory (3 units)

(Formerly Drawing the Human Figure; Drawing III) A study focused on drawing the nude human figure primarily from an anatomical/structural perspective. Deals with the human figure as subject matter and as a compositional element.

ART 3020 Drawing: Original Form (3 units)

(Formerly Drawing IV) Development of forms of representation and expression based on artistic interests and judgments that are unique to the individual student. May involve explorations of non-traditional media and genres. Prerequisite: ART 3010.

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)

ART 3100 Relief Printmaking (3 units)

Fundamental theories and practices involved in the process of relief printmaking and monotypes. Emphasis on materials, techniques, tools, and craftsmanship. May be repeated for a total of 6 units. Prerequisites: ART 1020 and 1100.

ART 3110 Intaglio (3 units)

Creative and technical investigation of intaglio printmaking. Exploration of major techniques of the etched plate; hard and soft grounds, aquatint and open-biting, engraving, multiple-plate color and photo-mechanical applications. Emphasis on the development of pertinent graphic images and the mastery of process and craft. May be repeated for a total of 6 units. Prerequisites: ART 1010, 1020, and 1100.

ART 3120 Lithography (4 units)

Development of graphic images based on lithographic techniques and processes. Emphasis on the unique qualities of the lithographic print, including color. May be repeated for advanced work. Prerequisites: ART 1020 and 1100.

ART 3130 Serigraphy (4 units)

Fundamental theories and practices involved in silk-screen printing. Exploration of water-based screenprinting processes using paper stencil, screen filler, crayon resist, stencil film, and photo-mechanical techniques. May be repeated for a total of 8 units. Prerequisites: ART 1020 and 1100.

ART 3142 Intaglio Color Printmaking (4 units)

An exploration of the major techniques of intaglio color printmaking. Multiple plate, color-drop, and simultaneous viscosity color processes will be covered with emphasis on development of graphic images. Prerequisites: ART 1020 and 1100.

ART 3152 Mono-Printmaking (4 units)

Creative and aesthetic investigation of mono-prints from direct techniques to complete manipulation of the matrix. Includes problems in black and white and in color.

ART 3162 Color Lithography (4 units)

Creative and aesthetic problems in color lithography. The nature and function of color as a medium and visual properties. The history of chrome lithography with an emphasis on the 20th century.

ART 3200 Painting from Observation I (3 units)

(Formerly Painting: Color and Form) Studies from direct observation, focused on the mastery of traditional and modern methods of painting.

ART 3210 Painting from the Unconscious I (3 units)

(Formerly Painting from Imagination) Introduction to painting and drawing practices that stimulate imaginative reverie and access to unconscious material through experimentation with processes of automatic mark-making and creative visualization. Prerequisites: ART 1010 and ART 1100.

ART 3212 Painting from the Unconscious II (3 units)

Further development of automatic creative processes with an emphasis on interpretation using a range of theoretical models. Prerequisites: ART 1010, ART 1100, and ART 3210.

ART 3220 Painting: Original Form (3 units)

Aimed at preparing the advanced student for the future challenges of independent studio work by using the semester as a model experience of long-term artistic development. Students will become familiar with the nature of the creative process itself by starting with individual aesthetic interests and judgments as a basis for evolving toward unique expressive forms and artistic style. Prerequisites: ART 3200 and 3210.

ART 3230 Painting the Human Figure (4 units)

(Formerly ART 3232 Painting the Human Form) Study of the human form from direct observation of the studio model and in terms of the convergence of appearances and pictorial form. Prerequisite: ART 3200.

ART 3300 Multimedia: Assemblages and Construction (3 units)

(Formerly ART 3311. Multimedia: Assemblages and Construction; Modeling) Working in a variety of media on an intermediate sculpture level, traditional and contemporary concepts will be explored, including installation and site-specific 3-D composition. Prerequisite: ART 1200.

ART 3320 Carving (3 units)

(Formerly ART 3321) Development of sculpture through the subtractive process. Emphasizes concept development, tools and techniques of stone or wood carving. Prerequisite: ART 1200.

ART 3330 Metal Casting (4 units)

(Formerly Foundry) Techniques of both lost-wax and sandcasting will be used to translate sculpture ideas and processes into metal. Lab time required. Prerequisites: ART 1200; 2-3 sculptures suitable for casting.

ART 3340 Figure Sculpture (3 units)

(Formerly ART 3301) Assignments are geared to the imaginative use of the figure. Figure study will precede interpretive work. The purpose is to engage students in a fresh analysis of the figure as a spatial yet personal statement. Prerequisite: ART 1200.

ART 3350 Ceramic Sculpture (3 units)

(Formerly Advanced Ceramics) Intermediate and/or advanced concepts and techniques in hand-built ceramics. Individualized course content according to student's needs. Prerequisite: ART 1200.

ART 3360 Construction Sculpture (3 units)

Students will explore the concepts, methods, and materials associated with sculpture fabrication with particular emphasis on contemporary sculptural materials and techniques. Prerequisite: ART 1200.

ART 3370 Sculpture in Context (3 units)

Exploration will focus on the context (environment and a sense of place) as a major component of sculptural practice in both form and content. Prerequisite: ART 1200.

ART 3380 Public Sculpture (3 units)

Class offers a collaborative experience between students in developing public sculptural solutions. Development of principles and skills utilized during the preparation of public proposals. Prerequisite: ART 1200.

ART 3500 Graphic Design (3 units)

Studio course in graphic design which includes an introduction to design concepts, processes, methodology, communication theory, and visual problem solving. Prerequisite: ART 1040.

ART 3510 Web-Based Environments (3 units)

Studio course in creating web sites which also investigates theory, history, and design principles of web based communication. Examines the conventions, strategies, and aesthetics employed by artists and developers in the creation of web-based environments. May be repeated. Prerequisite: ART 1040.

ART 3520 Lettering and Typography (3 units)

Studio course in the study and manipulation of typographic communications. Students will explore and develop skills in composition and type design, layout, and spacing with appropriate use of different fonts.

ART 3530 Illustration (3 units)

Studio course in illustration leading to the development of individual voice. Emphasis on innovation and conceptual thinking through varied illustrative media and techniques. Prerequisite: ART 1040.

ART 3605 Text and Image (3 units)

The imaginative combining of text and image and the exploration of their interplay from technical conceptual and aesthetic/design aspects. Digital and hands-on exploration of fonts and images. Prerequisites: ART 1010 or 3030, and ART 2520 or consent of instructor.

ART 3615 Consumer Objects: Mold Making and Casting (3 units)

Students are offered the opportunity to examine the concerns and issues associated with consumer objects. Working with what they have discovered, the students will create sculptures through the processes of mold making and casting. Prerequisite: ART 1200.

ART 3620 The Moving Image — Video and Film Making (3 units)

Exploration of video and film as moving picture media for documentation, communication, education, entertainment, and artistic expression. Training in video and film technology, camera mechanics, composition, lighting, storyboarding, editing, sound, and visual aesthetics. Prerequisites: ART 1010 or 3030, and ART 2520 or consent of instructor.

ART 3630 Still Photograph I (3 units)

Course will develop the student's ability to use still photography (both digital and analog). Study will focus on historical and contemporary photographic representation of Urban Environment, Portraiture, and Landscape. Prerequisites: ART 1010 or ART 3030, and ART 2520 or consent of instructor.

ART 3640 Digital Photography (3 units)

Studio course investigating historical and contemporary photographic representation. Course will develop compositional and conceptual image acquisition skills and the ability to acquire, manipulate, and print high quality digital color photographs. Prerequisite: ART 1040.

ART 3650 Analog Photography (3 units)

Studio course investigating historical and contemporary photographic representation. Course will develop compositional and conceptual image acquisition skills and the ability to process and print analog black and white photographs. Prerequisite: ART 3630.

ART 3700 Computer Art (3 units)

(Formerly Electronic Art and Design) Course offers the student the opportunity to create computer-based artwork which includes digital image creation, animation, video and sound integration, non-linear environments, and computer mediated delivery content. Prerequisite: ART 1040.

ART 3820 A Visual Approach to Learning and Teaching (3 units)

Studio lecture class which explores connections between visual art and at least two other disciplines. Typical examples include art, biology, physics, mathematics, history, literature. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

ART 3830 Visual Art and Ecology (3 units)

Direct experience in creating artistic projects from studies of our ecology, readings, and discussions about issues of art and ecology, field trips, individual and group projects. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

ART 3840 The Missions of California (3 units)

To impart knowledge of the California missions as an integrated, multi-discipline based manner. Examines the art and architecture of the mission in its cultural, sociological, economic, and political context. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

ART 3841 Universal Concepts in Art (3 units)

Looks at the creative spirit manifested in the conceptualization of making art. The universality of this creative impulse will be examined, examples will be studied from many cultures and periods. Provides hands-on experience to the student. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

ART 3842 Children's Art and Modernism (3 units)

The art of children, primitives, and the insane as an influence on Modern Art. Exploration of formal and ideological issues in outsider art (especially child art) and its influence on Modern Art. Includes lectures, discussions, and studio projects. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

ART 4200 Painting from Observation II (3 units)

(Formerly Advanced Painting) Further development of perceptual, interpretive, and associative creative processes using a range of artistic models. Prerequisite: ART 3200.

ART 4210 Modern Painting (4 units)

(Formerly ART 4250 Abstract Painting and Composition) Studio work with painting and multimedia that engages students' individual artistic interests in ways that parallel the dramatic stylistic development of 19th and 20th century modern art. Studio exploration of the deeper meanings and methods of modern masters. Prerequisite: ART 3000.

ART 4400 New Media Theory (3 units)

Theoretical investigation of new art media such as digital/electronic technology and new approaches including performance, installation, and site-specific works. Focus on content concerned with societal issues and values.

ART 4410 Art and Creativity (3 units)

Examination of theories of creativity including cognitive, psychological, and physiological development. The roles of intuition, invention, and insight; processes to encourage and enhance creativity. Prerequisite: Junior standing.

Art 4425 Advanced Studio (4 units)

For advanced studio art majors, this course involves immersion in studio practice and encourages cross-disciplinary opportunities. Emphasizes development of individual expression. Prerequisite: Upper-division standing in art, matriculation to the BFA program, or consent of instructor.

ART 4515 Art of the Classical World (3 units)

Architecture, sculpture, and painting of the Classical World including Aegean Art prior to the Golden age of Greece and Græco-Roman Art from the fifth century up to 400 A.D. Prerequisite: ART 2515.

ART 4520 Art of the Medieval World (3 units)

The architecture, sculpture, painting, and minor arts of Medieval Western Europe encompassing the Pre-Romanesque, Romanesque, and Gothic periods. Prerequisite: ART 2515.

ART 4525 Italian Renaissance Art (3 units)

Painting, sculpture, and architecture of the 15th and 16th centuries in Italy. Emphasis is placed on understanding masterpieces of this period in their historical, aesthetic, and cultural contexts. Prerequisites: ART 2520.

ART 4530 Northern Renaissance Art (3 units)

Architecture, painting, and sculpture in Northern Europe during the 15th and 16th centuries. Prerequisite: ART 2520.

ART 4535 Art of the Baroque Age (3 units)

Painting, sculpture, and architecture in Europe in the 17th and 18th centuries. Major artists from Italy and Northern Europe include Bernini, Caravaggio, Rubens, Rembrandt, and Vermeer. Prerequisite: ART 2520.

ART 4540 Early Modern Art, 1800-1870 (3 units)

A study of the major trends and artists from Neo-Classicism up to Impressionism. An investigation of the relationship of artists and movements to the cultural and intellectual milieu. Prerequisite: ART 2520.

ART 4545 Modern Art, 1870-1945 (3 units)

An analysis and interpretation of the major artistic movements from 1870–1945. Emphasis on the changing aesthetic, theoretical, and artistic approaches of this period. Satisfies G.E. area F2. Prerequisites: ART 2520 and 2530 or consent of instructor.

ART 4550 Art of the Post Modern Era (3 units)

(Formerly Art Since 1945; Formerly Contemporary Art) Analysis and interpretation of major conceptual and expressive issues raised by individual artists and groups of artists during the post modern era to the present. Prerequisite: ART 2520 or ART 2522.

ART 4555 American Art (3 units)

A study of American art from colonial times to 1945. American art is seen against its broad historical and cultural background. Satisfies G.E. area F2. Prerequisites: ART 2520 and 2530.

ART 4560 Pre-Columbian Art (3 units)

Painting, sculpture, and architecture of the Americas from their beginnings to the Spanish Conquest. Prerequisite: ART 2525.

ART 4565 African Art (3 units)

Traditional sub-Saharan African Art. Emphasis is placed on seeing African Art as part of the broad cultural context involving such issues as philosophical, mythological and aesthetic concepts, religious beliefs, and the functioning ritual context of all forms of African Art. Prerequisites: ART 2525 and 2530.

ART 4570 Senior Seminar in Art History (WP) (3 units)

Basic knowledge and skills requisite to advanced study of Art History research methodology, writing and publication, survey of graduate education in the United States, and discussion of broad aesthetic and art historical issues. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; senior standing.

ART 4575 Slide Library Management (1-3 units)

Provides students with basic knowledge of the theories and methods of managing a slide library. These include: general knowledge of library methods and practices, cataloging and coding, filing and retrieval procedures, as well as photo-duplication processes. May be repeated for a total of six units. Prerequisite: Lower-division Art Appreciation or Art History Survey.

ART 4580 Exhibition Design and Gallery Management (1-3 units)

The role of visual arts in education: aesthetics, historical/current theory, multi-faceted curricular approaches. Developmental stages from preschool through adolescence, focusing on middle and high school. Lesson plan design consistent with state standards.

ART 4860 Understanding and Creating Art (3 units)

The role of visual arts in education: aesthetics, historical/current theory, multi-faceted curricular approaches. Developmental stages from preschool through adolescence, focusing on middle and high school. Lesson plan design consistent with state standards. Corequisite: ART 4863.

ART 4870 World Crafts (3 units)

Covers diverse “low-tech” crafts from a variety of cultures including textiles, stained glass, glass painting, papermaking, and jewelry. Satisfies craft and jewelry requirement for Art Subject Matter Preparation Program. Designed specifically for teachers. (LIBS Integrative: Artistic Inquiry)

ART 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 6 units. Prerequisites: Sophomore standing; consent of departmental coordinator.

ART 4920 Art in Action (3 units)

Direct introduction to art-making processes through diverse forms of exposure including field trips, visiting artists' lectures, workshops, and studio visits. May be repeated for a total of 6 units. Prerequisite: Art Major with upper-division standing or consent of instructor.

ART 4930 Professional Practices (3 units)

Preparation for the BFA student for professional careers in Art. Emphasis on “practicum”—resumes, artists' statement, portfolio/slide preparation. Instruction in artwork conservation, museum and gallery methods, and creation and mounting of exhibitions.

ART 4940 Gallery/Museum Internship (4 units)

An internship course to acquaint the student with a blend of research skills and practical information fundamental in operating a museum or an art gallery. Experience in commercial galleries/museums can be arranged for advanced students. Prerequisite: Art major with upper-division standing or consent of instructor.

ART 4950 Selected Topics in Art (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in art. Topics will vary. Different topics may be taken for credit.

ART 4960 Senior Seminar (WP) (4 units)

Study of issues confronting the contemporary artist through an examination of art criticism and theory. Satisfies upper-division writing proficiency requirement and involves essay assignments. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; senior standing.

ART 4965 Bachelor of Fine Arts Critical Concepts (1 unit)

Discussion and criticism of studio art activity for BFA Degree Program students. May be repeated for a total of 3 units. Prerequisite: Matriculation to Art Department BFA Program.

ART 4970 New Genre Art (3 units)

(Formerly Innovation and Media) Capstone BFA studio/seminar course to engage students in experimentation and innovation in ways that build on and go beyond the boundaries of media.

ART 4980 Individual Study (1-4 units)

For the student capable of independent specialized work in studio and/or history and criticism. Students would normally be senior art majors with one year of study in the department. A written outline of the proposed independent study must be submitted and approved by the instructor under whom the student wishes to work. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Fine Arts**Lower Division****FA 1000 Introduction to the Fine Arts (3 units)**

An introduction to the arts; the nature of artistic activity; the methods and materials of each of the arts; and the criteria for evaluating work in each of the arts.

FA 1010 Fine Arts Practicum: Introduction to Visual Arts (3 units)

Building on the introduction to the final arts in FA 1000, this course will further develop understanding of the principles of visual arts (e.g. form and content) through hands-on projects. Satisfies G.E. area C1.

FA 1020 Fine Arts Practicum: Introduction to the Theatre (3 units)

The application of principles learned in FA 1000; the theatre as an art form; elements of theatre; classroom practice in the fundamentals of theatrical production. Satisfies G.E. area C1. Corequisite: FA 1023. (Lecture, 2 hours; activity, 2 hours)

FA 1030 Fine Arts Practicum: Introduction to Music Skills (3 units)

The application of principles learned in FA 1000; an overview of skills used in the creation, performance, and listening of music including music notation and performance skills in voice, keyboard, and percussion instruments. Satisfies G.E. area C1.

Department of Music

Deborah H. Kavasch, Ph.D., *Chair*

Professors: Danziger, Kavasch, Thomas

Associate Professors: Afonso, Mulder, Sims, Weddle, Wiggett

Assistant Professors: Davies, Pivec

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Phone: (209) 667-3421

Bachelor of Music**Bachelor of Arts in Music****Minor in Music****Liberal Studies degree concentration in Music****Department Requirements**

1. All students who wish to declare a major or minor in music are required to audition in their major performing medium (vocal, instrumental, or keyboard) before a faculty panel. Upon passing the audition, students will take studio instruction in their major performing medium in accordance with their program requirements. At the end of each semester of applied study, all music majors and minors will be evaluated by a faculty jury and must demonstrate minimum performance levels established by the criteria set forth in their degree programs. Fifth-year credential students are encouraged to continue studio instruction with permission of the Department Chair.
2. All entering students are required to take a theory placement exam, usually prior to the first week of classes. Entering first-year students must receive a passing grade on the exam to begin the lower division theory sequence. Transfer students must be evaluated by the Department before registering for their first semester on campus. This evaluation includes an audition in the major performing medium as well as placement examinations in keyboard skills, theory, sight-singing, and dictation. Depending upon audition results, one to four units of lower division applied study and/or lower division Major Repertoire may be waived.
3. Music majors and minors are required to perform in public each semester of applied study, normally during the Directed Listening Recital Hour.
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 study, all music majors and minors are required to enroll in Directed Listening (MUS 2880/4880). All majors (both BA and BM) 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.

5. All music majors are required to demonstrate an acceptable level of performance skill in piano. All majors must enroll in an appropriate piano course until the requisite piano proficiency examination has been passed. Students should consult with the Coordinator of Keyboard Studies to obtain information about the proficiency examination for their degree track. Lower-division students normally fulfill these requirements by the end of the sophomore year. Students transferring in at the upper-division level normally complete these requirements by the end of the junior year.
6. Ensemble participation requirements for the various degree programs are as follows:
 - a. Music majors in the Bachelor of Music degree program are required to participate each semester of applied study in a major performing ensemble (Chorale, Wind Ensemble, Orchestra, or Jazz Ensemble) appropriate to their major performing medium. Keyboard and guitar majors normally enroll in Chorale as their major performing ensemble, but may enroll in Jazz Ensemble if selected for the ensemble through the audition process. For wind and percussion majors, Wind Ensemble is the required major ensemble. For string majors, Orchestra is the required major ensemble.
 - b. Music majors in the Bachelor of Arts degree program are required to participate each semester of applied study in a major (see above) or a secondary performing ensemble (University Chamber Singers, Symphony Band, Vocal Ensemble, Instrumental Chamber Ensemble, Jazz Chamber Ensemble). Bachelor of Arts students must enroll in a lower division ensemble each semester until achieving junior standing. Thereafter, a total of four semesters of upper division ensemble credit is required for completion of the Bachelor of Arts, Music degree.
 - c. Any other student enrolled in applied lessons must enroll in an appropriate ensemble.
7. All music majors must pass a junior qualifying examination before registering for upper-division applied music. Students should consult with area coordinators for specific requirements for their performing medium.
8. To be approved for graduation, music majors and minors must maintain a 2.0 GPA in all music coursework. In addition, music majors and minors must earn a grade of C– or better in all music classes required by their degree programs. All courses receiving a grade below C– in the major will not be considered a passing grade and the course must be repeated.

Bachelor of Music

The Bachelor of Music is an intensive curriculum designed for students wishing to prepare for graduate study in music and for specific professional purposes. Degree majors include instrumental and choral music education (credential preparation), instrumental, vocal, and piano performance, composition, and jazz studies.

Requirements

1. Complete a minimum of 124 units, including the University General Education requirements (51 units minimum) for a bachelor's degree.

2. Complete the following prerequisites to the major (31-35 units):
 - MUS 1220 Theory I, 3 units
 - MUS 1230 Theory II, 3 units
 - MUS 1320 Eartraining and Sightsinging I, 1 unit
 - MUS 1330 Eartraining and Sightsinging II, 1 unit
 Complete 2 units from one of the following applied studies:
 - a. MUS 1610 Freshman-Level Keyboard, 1 unit **or**
 - b. MUS 1640 Freshman-Level Voice, 1 unit **or**
 - c. MUS 1670 Freshman-Level Orchestral Instruments, 1 unit
 - MUS 2000 Music of World Cultures, 3 units
 - MUS 2150 Introduction to Music Technology, 1 unit
 - MUS 2220 Chromatic Harmony, 3 units
 - MUS 2230 Twentieth Century Techniques, 3 units
 - MUS 2320 Eartraining and Sightsinging III, 1 unit
 - MUS 2330 Eartraining and Sightsinging IV, 1 unit
 Complete a total of 4 semesters selected from the following ensembles:
 - a. MUS 2400 Orchestra, 1 unit **or**
 - b. MUS 2410 Concert Chorale, 2 units **or**
 - c. MUS 2440 Wind Ensemble, 2 units **or**
 - d. MUS 2480 Jazz Ensemble, 2 units
 Complete 2 units from one of the following applied studies:
 - a. MUS 2610 Sophomore-Level Keyboard, 1 unit **or**
 - b. MUS 2640 Sophomore-Level Voice, 1 unit **or**
 - c. MUS 2670 Sophomore-Level Orchestral Instruments, 1 unit
 - d. MUS 2900 Music History and Literature I, 3 units
3. Complete the major course requirements (42-46 units). No more than 8 units of CR-graded coursework from courses graded exclusively CR/NC may apply toward the major. Completion of a minor is not required.

Junior Year Requirement

Before advancing to senior-level applied study, all Bachelor of Music majors with an emphasis in piano, instrumental, or vocal performance must present a public solo recital consisting of approximately thirty minutes of literature. A faculty hearing of the recital material must occur no later than one month before the recital is to be presented. Students must have completed all the prerequisites to the major before presenting the junior recital or be currently enrolled in all remaining prerequisites during the semester in which the recital is presented.

Senior Year Requirement

The Bachelor of Music degree is a four-year course of study culminating in the presentation of a solo recital or the completion of a faculty-approved project. Following the junior qualifying examination at the final 2000-level jury, the faculty will recommend whether the student should pursue the Recital Track or the Project Track. Students must inform the faculty no later than the final 3000-level jury which track they wish to pursue.

1. The Recital Track requires two semesters of applied study at the 4000-level and a public recital. The recital will be a presentation of literature demonstrating a mastery of performance practices related to several style periods. Performance majors will present a solo recital consisting of approximately 45 minutes of music.

All other Bachelor of Music students following the Recital Track will present a recital consisting of approximately 30 minutes of music. The recital may include ensembles in which the student's performing medium is featured. A faculty hearing of the recital material must occur no later than one month before the recital is to be presented. Students may present a senior recital only when completing the coursework for the degree. This coursework normally includes all core courses for the degree as well as all upper-division requirements for the major. In all cases, faculty approval of the recital presentation is required for graduation. Students should register for MUS 4900 during the term in which the recital is completed.

2. The Project Track requires completion of a creative or scholarly project and two semesters of applied study following completion of the required 3000-level. Students may fulfill the applied study requirement by enrolling in either the 3000- or 4000-level of applied study. The nature and scope of the project must be determined by the student and a faculty member qualified to supervise the study, and must be approved by the music faculty two semesters prior to completing the project. Students should register for MUS 4900 during the term in which the project is completed.
3. Students following the Composition major shall select the Project Track and complete a senior composition portfolio under the direction of a faculty member qualified to supervise the study, normally the studio composition faculty instructor. The nature and scope of the project must be determined by the student and faculty member and must be approved by the music faculty. Students should register for MUS 4900 during the term in which the portfolio is completed. Composition majors normally complete four semesters of upper-division applied studies in composition following the successful completion of the 2000-level of applied study and of the junior qualifying examination in their major performing medium (keyboard, instrumental, or vocal).

The Major (42-46 units)

1. **Core:** Complete the following courses (17-21 units):
 MUS 3100 Music History and Literature II, 3 units
 MUS 3200 Music History and Literature III, 3 units
 MUS 3250 Eighteenth Century Counterpoint, 2 units
 MUS 3260 Form and Analysis, 2 units
 MUS 3270 Basic Conducting, 2 units
 MUS 4900 Senior Recital or Project, 1 unit
 Complete a total of 4 semesters selected from the following ensembles:
 - a. MUS 4400 Orchestra, 1 unit **or**
 - b. MUS 4410 Concert Chorale, 2 units **or**
 - c. MUS 4440 Wind Ensemble, 2 units **or**
 - d. MUS 4480 Jazz Ensemble, 2 units
2. **Areas of Study:** Under the direction of the major adviser, complete one of the following major areas of study (25 units):

Piano Performance (25 units)

MUS 1611 Freshman Keyboard Major Repertoire, 2 units
 MUS 1630 Basic Class Voice, 1 unit
 MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit **or**
 MUS 2501 or 4501 Jazz Chamber Ensemble, 1 unit
 MUS 2611 Sophomore Keyboard Major Repertoire, 2 units
 MUS 3460 Harpsichord Literature, 2 units

MUS 3610 Junior-Level Keyboard, 2 units
 MUS 3611 Junior Keyboard Major Repertoire, 2 units
 MUS 3620 Accompanying, 2 units
 MUS 4448 Keyboard Harmony, 1 unit
 MUS 4450 Piano Pedagogy, 2 units
 MUS 4451 Piano Literature, 2 units
 MUS 4610 Advanced Keyboard, 2 units
 MUS 4611 Senior Keyboard Major Repertoire, 2 units
 Electives as approved by adviser, 2 units

Instrumental Performance (25 units)

MUS 1630 Basic Class Voice, 1 unit
 MUS 1671 Freshman Instrumental Major Repertoire, 2 units
 MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit
 MUS 2671 Sophomore Instrumental Major Repertoire, 2 units
 MUS 3240 Orchestration, 2 units

According to the major performing medium, complete one course from:

- a. MUS 3650 String Technique I, 1 unit (violin, viola majors only) **or**
- b. MUS 3660 String Technique II, 1 unit (cello, doublebass majors only) **or**
- c. MUS 3681 Woodwind Techniques I, 1 unit (flute, single reed majors only) **or**
- d. MUS 3682 Woodwind Techniques II, 1 unit (double reed majors only) **or**
- e. MUS 3683 Brass Techniques, 1 unit (brass majors only) **or**
- f. MUS 3684 Percussion Techniques, 1 unit (percussion majors only)

MUS 3670 Junior-Level Orchestral Instruments, 2 units
 MUS 3671 Junior Instrumental Major Repertoire, 2 units
 MUS 4290 Instrumental Conducting, 2 units
 MUS 4670 Advanced Orchestral Instruments, 2 units
 MUS 4671 Senior Instrumental Major Repertoire, 2 units
 Complete a total of 2 semesters from the following ensembles:

- a. MUS 2480 or 4480 Jazz Ensemble, 2 units **or**
- b. MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit **or**
- c. MUS 2501 or 4501 Jazz Chamber Ensemble, 1 unit

Electives as approved by adviser, 2-4 units

Vocal Performance (25 units)

MUS 1641 Freshman Voice Major Repertoire, 2 units
 MUS 2641 Sophomore Voice Major Repertoire, 2 units
 MUS 2646 Lyric Diction I, 1 unit
 MUS 2923 or 4923 Opera Scenes, 3 units
 MUS 3640 Junior-Level Voice, 2 units
 MUS 3641 Junior Voice Major Repertoire, 2 units
 MUS 3646 Lyric Diction II, 1 unit
 MUS 4574 Solo Vocal Pedagogy of Western Civilization, 2 units
 MUS 4575 Solo Vocal Literature in Western Civilization, 2 units
 MUS 4640 Advanced Voice, 2 units
 MUS 4641 Senior Voice Major Repertoire, 2 units
 Electives as approved by adviser, 4 units

Music Education-Instrumental (25 units)

MUS 1620 Basic Class Guitar, 1 unit
 MUS 1630 Basic Class Voice, 1 unit
 MUS 3240 Orchestration, 2 units
 MUS 3340 Music in Elementary Schools, 3 units
 MUS 3370 Music in Secondary Schools (W/P), 3 units
 MUS 3650 String Technique I, 1 unit
 MUS 3660 String Technique II, 1 unit
 MUS 3670 Junior-Level Orchestral Instruments, 2 units
 MUS 3681 Woodwind Techniques I, 1 unit
 MUS 3682 Woodwind Techniques II, 1 unit
 MUS 3683 Brass Techniques, 1 unit
 MUS 3684 Percussion Techniques, 1 unit
 MUS 4290 Instrumental Conducting, 2 units
 MUS 4550 Instrumental Literature Seminar, 2 units
 MUS 4670 Advanced Orchestral Instruments, 2 units
 Electives as approved by adviser, 1 unit

Music Education-Choral (25 units)

MUS 1620 Basic Class Guitar, 1 unit
 MUS 2646 Lyric Diction I, 1 unit
 MUS 3340 Music in Elementary Schools, 3 units
 MUS 3370 Music in Secondary Schools (W/P), 3 units
 MUS 3640 Junior-Level Voice, 2 units
 MUS 3650 String Technique I, 1 unit
 MUS 3681 Woodwind Techniques I, 1 unit **or**
 MUS 3682 Woodwind Techniques II, 1 unit
 MUS 3683 Brass Techniques, 1 unit
 MUS 3684 Percussion Techniques, 1 unit
 MUS 4280 Choral Conducting, 2 units
 MUS 4570 Choral Literature Seminar, 2 units
 MUS 4572 Secondary Choral Methods and Materials, 3 units
 MUS 4574 Solo Vocal Pedagogy of Western Civilization, 2 units
 MUS 4640 Advanced Voice, 2 units
 No elective requirement

Composition (25 units)

MUS 1630 Basic Class Voice, 1 unit
 MUS 3210 Composition, 4 units
 MUS 3240 Orchestration, 2 units

Complete one unit from each of the following groups of techniques classes:

- a. MUS 3650 String Technique I, 1 unit **or**
 MUS 3660 String Technique II, 1 unit
- b. MUS 3681 Woodwind Technique I, 1 unit **or**
 MUS 3682 Woodwind Technique II, 1 unit
- c. MUS 3683 Brass Technique, 1 unit **or**
 MUS 3684 Percussion Technique, 1 unit

MUS 4210 Advanced Composition, 4 units
 MUS 4290 Instrumental Conducting, 2 units

Complete a total of 4 semesters selected from the following ensembles:

MUS 2430 or 4430 University Chamber Singers, 1 unit **or**
 MUS 2480 or 4480 Jazz Ensemble, 2 units **or**
 MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit **or**
 MUS 2501 or 4501 Jazz Chamber Ensemble, 1 unit
 Electives as approved by adviser, 5 units

Jazz Studies (25 units)

MUS 2100 Jazz Improvisation, 1 unit
 MUS 2101 Functional Jazz Piano, 1 unit
 MUS 2110 Jazz Improvisation II, 1 unit
 MUS 2501/4501 Jazz Chamber Ensemble, 6 units
 MUS 3300 Jazz Arranging, 1 unit
 MUS 3301 Jazz Arranging II, 2 units
 MUS 3350 Jazz Techniques for the Music Educator, 1 unit
 MUS 3410 History of Jazz, 3 units
 MUS 3670 Junior-Level Orchestral Instruments, 2 units
 MUS 4230 Media Project, 1 unit
 MUS 4670 Advanced Orchestral Instruments, 2 units
 Electives as approved by adviser, 4 units

University General Education Requirements	51 units
Required Prerequisites	31-35 units
Major	42-46 units
Total Required Units.....	124-132 units

Bachelor of Arts in 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 a variety of career opportunities may be open to students with such a background. Emphasis areas include general music and music technology.

Requirements

1. Complete a minimum of 120 units including the University general requirements for a bachelor's degree. Forty units must be upper-division.
2. Complete the following prerequisites to the major (16 units):
 MUS 1220 Theory I, 3 units
 MUS 1230 Theory II, 3 units
 MUS 1320 Eartraining and Sightsinging I, 1 unit
 MUS 1330 Eartraining and Sightsinging II, 1 unit
 MUS 2000 Music of World Cultures, 3 units
 MUS 2150 Introduction to Music Technology, 1 unit
 Complete 2 units in consecutive semesters from one of the following applied studies, as directed by the major adviser:
 - a. MUS 1610 Freshman-Level Keyboard, 1 unit
 - b. MUS 1640 Freshman-Level Voice, 1 unit

- c. MUS 1670 Freshman-Level Orchestral Instruments, 1 unit
Complete an additional 2 units from any of the following:
- MUS 1600 Basic Class Piano, 1 unit
 - MUS 2600 Intermediate Class Piano, 1 unit
 - MUS 1620 Basic Class Guitar, 1 unit
 - MUS 1630 Basic Class Voice, 1 unit
 - MUS 2630 Intermediate Class Voice, 1 unit
 - MUS 2650 Intermediate Class Guitar, 1 unit
 - MUS 1610 Freshman- Level Keyboard, 1 unit
 - MUS 1640 Freshman-Level Voice, 1 unit
 - MUS 1670 Freshman-Level Orchestral Instruments, 1 unit
 - MUS 2610 Sophomore-Level Keyboard, 1 unit
 - MUS 2640 Sophomore-Level Voice, 1 unit
 - MUS 2670 Sophomore-Level Orchestral Instruments, 1 unit
 - MUS 3650 String Technique I, 1 unit
 - MUS 3660 String Technique II, 1 unit
 - MUS 3681 Woodwind Techniques I, 1 unit
 - MUS 3682 Woodwind Techniques II, 1 unit
 - MUS 3683 Brass Techniques, 1 unit
 - MUS 3684 Percussion Techniques, 1 unit
3. Complete the major (27-31 units). Completion of a minor is not required.

The Major (27-31 units)

- Core:** Complete the following courses (10-14 units):
MUS 3100 Music History and Literature II, 3 units
MUS 3200 Music History and Literature III, 3 units
A total of 4 semesters from any of the following ensembles:
 - MUS 4400 Orchestra, 1 unit
 - MUS 4410 Concert Chorale, 2 units
 - MUS 4430 University Chamber Singers, 1 unit
 - MUS 4440 Wind Ensemble, 2 units
 - MUS 4460 Symphony Band, 1 unit
 - MUS 4480 Jazz Ensemble, 2 units
 - MUS 4490 Vocal Ensemble, 1 unit
 - MUS 4500 Instrumental Chamber Ensemble, 1 unit
 - MUS 4501 Jazz Chamber Ensemble, 1 unit
- Emphasis:** Under the direction of the major adviser, complete one of the following emphases (17 units):

General Music Emphasis
MUS 3400 American Music, 3 units, **or**
MUS 3410 History of Jazz, 3 units
Electives as approved by adviser, 14 units (at least 11 units must be upper-division)

Music Technology Emphasis
MUS 2160 Music Technology II, 1 unit
MUS 2170 MIDI (Musical Instrument Digital Interface), 2 units
MUS 3500 Audio Recording, 3 units
MUS 3510 Advanced Audio Recording, 3 units
MUS 4250 Electronic Portfolio, 2 units
Electives as approved by adviser, 6 upper-division units

University General Education Requirements.....	51 units
Required Prerequisites.....	16 units
Major	10-14 units
Area Emphasis	17 units
Electives to meet University Unit Minimum	22-26 units
Total Required Units	120 units

Minor in Music

Requirements (24 units)

- Complete 15 units of lower-division coursework:
 - MUS 1000 Introduction to Music, 3 units
 - MUS 1220 Theory I, 3 units
 - MUS 1230 Theory II, 3 units
 - MUS 1320 Eartraining and Sightsinging I, 1 unit
 - MUS 1330 Eartraining and Sightsinging II, 1 unit

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 1620/2650 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
- MUS 2220 Chromatic Harmony, 3 units
- MUS 2230 Twentieth Century Techniques, 3 units
- MUS 2320 Eartraining and Sightsinging III, 1 unit
- MUS 2330 Eartraining and Sightsinging IV, 1 unit
- MUS 2400, 2410, or 2440 Major Group Performance, 4 units
- MUS 2610, 2640, or 2670 Sophomore Level applied study, 1 unit each
- MUS 3650 String Technique I, II, 1 unit
- MUS 3660 String Technique II, 1 unit
- MUS 3681 Woodwind Techniques I, 1 unit
- MUS 3682 Woodwind Techniques II, 1 unit
- MUS 3683 Brass Techniques, 1 unit
- MUS 3684 Percussion Techniques, 1 unit

Under the direction of the minor adviser, complete 2 semesters from any of the following ensembles:

- MUS 2400 Orchestra, 1 unit
- MUS 2410 Concert Chorale, 2 units
- MUS 2430 University Chamber Singers, 1 unit
- MUS 2440 Wind Ensemble, 2 units
- MUS 2480 Jazz Ensemble, 2 units
- MUS 2490 Vocal Ensemble, 1 unit
- MUS 2500 Instrumental Chamber Ensemble, 1 unit
- MUS 4501 Jazz Chamber Ensemble, 1 unit

2. 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, 3 units
 - MUS 3400 American Music, 3 units
 - MUS 3410 History of Jazz, 3 units
 3. Electives as approved by the minor adviser, 3 units.
 4. All minors must enroll in Directed Listening (MUS 2880/4880) and an appropriate performing ensemble during each semester of applied study. (See Department Requirements.)
 5. Of the 24 units total, at least 8 must be in upper-division courses.
- All students are welcome to participate in the various performance courses (Concert Chorale, Wind Ensemble, Jazz Ensemble, Orchestra, Chamber Singers, and other small ensembles).

Liberal Studies Concentration in Music

Please refer to the Liberal Studies section of this catalog.

Learning Objectives

- Students will perform on a principal instrument/voice with a proficiency appropriate to their degree program/concentration and level of study, and demonstrate this skill in solo and ensemble performance situations.
- Students will perform on a principal instrument/voice at a level appropriate to their degree program or concentration and apply this skill in both large and small ensemble situations.
- Students will demonstrate technological literacy throughout the curriculum.
- Students will demonstrate understanding of theoretical and formal principles of music through coursework that emphasizes composition, analysis, and improvisation.
- Students will demonstrate proficiency in aural and keyboard skills.
- Students will demonstrate understanding of the development of world musics and the historical foundations of European and American styles.
- Students will show integration of curricular goals through capstone performances and/or projects.

Course Descriptions

Lower Division

MUS 1000 Introduction to Music (3 units)

A course for the general student which surveys musical elements, genres, forms, and styles. The growth and development of music through history from early times to the present will be studied. Satisfies G.E. area C1. (Fall, Winter, Spring)

MUS 1190 Music Fundamentals (3 units)

A beginning course in music reading, notation, intervals, scales, theory, and eartraining. Designed primarily for the student pursuing the liberal studies major, the general student, and the music student who does not qualify for enrollment in MUS 1220. Satisfies G.E. area C1. (Fall, Winter, Spring)

MUS 1220 Theory I (3 units)

Review of rudiments of music notation, scales, key signatures, intervals, triads, and inversions of triads. Emphasis is placed on analysis, creations of melodies based upon techniques of various musical periods, and four-part chorale style harmony. May be taken concurrently with MUS 1320. Prerequisites: Ability to read treble and bass clefs, music major or minor, or consent of instructor. (CAN MUS 2) (Fall)

MUS 1230 Theory II (3 units)

Continuation of MUS 1220, beginning with construction of an underlying tonal harmonic (triadic) continuum. Emphasis will be on chord connection, employment of triadic inversions, and study of basic harmonic rhythm leading to the creation of two, three, and four part textures within a harmonic fabric. May be taken concurrently with MUS 1330. Prerequisite: MUS 1220. (CAN MUS 4) (Spring)

MUS 1320 Eartraining and Sightsinging I (1 unit)

Pentatonic and diatonic melodies conducted and sung in solfeggio syllables; two-part rhythm exercises; simple keyboard harmony drills which parallel concurrent theoretical studies; beginning self-accompanied singing exercises, melodic, harmonic and rhythm dictation; and sightsinging. May be taken concurrently with MUS 1220. Prerequisite: music major or minor, or consent of instructor. (CAN MUS 2) (Fall)

MUS 1330 Eartraining and Sightsinging II (1 unit)

Continuation of MUS 1320. More advanced diatonic melodies; three-part rhythm exercises; keyboard harmony exercises; self-accompanied singing exercises; melodic, harmonic, contrapuntal and rhythmic dictation; and sightsinging. May be taken concurrently with MUS 1230. Prerequisite: MUS 1220 or equivalent. (CAN MUS 4) (Spring)

MUS 1600 Basic Class Piano (1 unit)

Basic keyboard experience in reading and playing music from beginning to intermediate level with emphasis on the fundamentals of music theory and structure. May be repeated for a total of 6 units. Music majors should consult keyboard coordinator for special requirements. (Fall, Spring)

MUS 1610 Freshman-Level Keyboard (1 unit)

Instruction in technical, stylistic, and aesthetic elements of artistic performance. Designed for music majors or minors whose performance medium is a keyboard instrument. May be repeated for a total of 4 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 1611 Freshman Keyboard Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 1610 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 1620 Basic Class Guitar (1 unit)

A basic course in folk guitar skills for those who may or may not have any previous musical training. May be repeated for a total of 2 units. (Fall)

MUS 1630 Basic Class Voice (1 unit)

Introduction to singing, vocal technique, posture, breathing, tone production, and problems of tension and relaxation. May be repeated for a total of 4 units. (Fall, Spring)

MUS 1640 Freshman-Level Voice (1 unit)

Instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is voice. May be repeated for a total of 4 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 1641 Freshman Voice Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 1640 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 1670 Freshman-Level Orchestral Instruments (1 unit)

Instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is strings, woodwinds, brasses, or percussion. May be repeated for a total of 4 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 1671 Freshman Instrumental Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 1670 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 2000 Music of World Cultures (3 units)

An introduction to the music of various world cultures, with attention to the music of non-western peoples. Satisfies G.E. areas C1 and G. (Fall, Spring)

MUS 2100 Jazz Improvisation (1 unit)

An extensive study of jazz improvisation, including performance techniques, concepts and styles. Students will acquire theoretical knowledge and will apply it to performance. Students will then improvise on jazz standards. Students must provide their own instrument. Prerequisite: Knowledge of major/minor scales and major, minor, and dominant 7th chords.

MUS 2101 Functional Jazz Piano (1 unit)

Study and practice of jazz keyboard harmony including chord voicings, jazz nomenclature, rhythms, and other related issues through analysis of repertoire and recordings. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 2110 Jazz Improvisation II (1 unit)

Study of jazz theory and improvisation through analysis of significant repertoire and recordings. Prerequisite: MUS 2100 or consent of instructor. (Spring in alternating years)

MUS 2150 Introduction to Music Technology (1 unit)

(Formerly Introduction to Music Technology and Computers in Music) Surveys the technology and software used in music production and education. Includes notation, sequencing, and digital audio, as well as delivery methods. Prerequisite: MUS 1230 or consent of instructor.

MUS 2160 Music Technology II (1 unit)

(Formerly Computers in Sound Synthesis and Music Instruction) Continuation of MUS 2150. Focuses on digital audio through use of ProTools audio production system. Emphasis placed on tracking and mixing as well as delivery methods. Prerequisite: MUS 2150 or consent of instructor.

MUS 2170 MIDI (Musical Instrument Digital Interface) (2 units)

Introduces students to the principles and techniques of MIDI (Musical Instrument Digital Interface) and its uses in music composition, recording, and arrangement. Emphasis will be placed on post production practices in scoring (notation) and the preparation of MIDI material for presentation on the World Wide Web. Prerequisite: MUS 2160 or consent of instructor.

MUS 2220 Chromatic Harmony (3 units)

Continuation of MUS 1230. Emphasis will be on an understanding of 19th century harmonic practice, including altered and extended chords, work in advanced modulation procedures, and more sophisticated harmonic progressions. Writing for the keyboard and for other instrumental and vocal combinations will be encouraged. Works from Beethoven through Wagner will be analyzed and extensive time will be spent creating original works in conscious imitation of various 19th century styles. May be taken concurrently with MUS 2320. Prerequisite: MUS 1230. (Fall)

MUS 2230 Twentieth Century Techniques (3 units)

Continuation of MUS 2220. Examination of impressionistic devices, quartal harmony, nontonal and atonal compositional processes. Emphasis upon 20th century western music. Numerous original compositions required. May be taken concurrently with MUS 2330. Prerequisite: MUS 2220. (Spring)

MUS 2320 Eartraining and Sightsinging III (1 unit)

Continuation of MUS 1330. Diatonic and chromatic melodies, more advanced two- and three-part rhythm exercises, self-accompanied singing exercises, keyboard harmony, dictation, and sightsinging. May be taken concurrently with MUS 2220. Prerequisite: MUS 1330 or equivalent. (Fall)

MUS 2330 Eartraining and Sightsinging IV (1 unit)

Continuation of MUS 2320. Diatonic, chromatic, modal, and 20th century melodies; four-part rhythm exercises; more advanced self-accompanied singing exercises; advanced melodic, contrapuntal, rhythmic, and four-part chorale style dictation; and sightsinging. May be taken concurrently with MUS 2320. Prerequisite: MUS 2320 or equivalent. (Spring)

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 2400 Orchestra (1 unit)

The study and performance of standard orchestral music. Students participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 8 units. Satisfies G.E. area C.I. Prerequisite: An acceptable degree of performance skill. (Fall, Spring)

MUS 2410 Concert Chorale (2 units)

Study and performance of choral masterworks. Open to all students. A voice test will be given. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units. Satisfies G.E. area C.I. Prerequisite: An acceptable singing voice. (Fall, Spring)

MUS 2430 University Chamber Singers (1 unit)

A select vocal ensemble specializing in music written for small choral ensembles. A high level of musicianship is required. Students participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 8 units. Satisfies G.E. area C.I. Prerequisites: Ability to read music well and consent of instructor. (Fall, Spring)

MUS 2440 Wind Ensemble (2 units)

Study and performance of materials for the wind band, and for various combinations of wind and percussion instruments. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units. Satisfies G.E. area C.I. Prerequisite: An acceptable degree of performance skill. (Fall, Spring)

MUS 2460 Symphony Band (1 unit)

Wind band designed to provide opportunities for music education applications. Music majors may perform on primary or secondary instruments and gain practical conducting experience. Open to music majors, non-music majors, and community members. Students participate in public performances. May be repeated for a total of 8 units. Satisfies G.E. area C.I. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 2480 Jazz Ensemble (2 units)

Study and performance of repertoire and styles for the jazz ensemble. Students participate in jazz concerts and study improvisation; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units.

MUS 2490 Vocal Ensemble (1 unit)

Study and performance of small ensemble literature for two or more voices. This course will from time to time undertake the performance of chamber operas; field trips and off-campus performances may be required by the instructor. Prerequisite: Consent of instructor. (As required)

MUS 2500 Instrumental Chamber Ensemble (1 unit)

Study and performance of materials for small ensembles. Students participate in public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 8 units. Prerequisites: An acceptable degree of performance skill, and consent of the instructor. (As required)

MUS 2501 Jazz Chamber Ensemble (1 unit)

Performance application of jazz improvisation and repertoire for small chamber ensemble. Ensembles perform at least one concert per semester. Prerequisite: Consent of instructor.

MUS 2540 Musical Production and Performance (1 unit)

Production and performance of a musical production. Provides experience for instrumentalists. Prerequisite: Consent of instructor.

MUS 2600 Intermediate Class Piano (1 unit)

For general students, music minors, and music majors whose performance area is not piano. Keyboard experience in reading and playing music of intermediate-level, such as the Bach inventions, classical sonatas, and easier Romantic literature. May be repeated for a total of 8 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 2610 Sophomore-Level Keyboard (1 unit)

Continuation in technical, stylistic, and aesthetic elements of artistic performance. Designed for music majors or minors whose performance medium is a keyboard instrument. May be repeated for a total of 4 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 2611 Sophomore Keyboard Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 2610 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 2630 Intermediate Class Voice (1 unit)

Continuation of MUS 1630. Study of the easier song literature of such composers as Brahms, Schumann, Barber, and others. For general students, music minors, and music majors whose performance medium is not voice. May be repeated for a total of 4 units. Prerequisite: MUS 1630 or consent of instructor. (Spring)

MUS 2640 Sophomore-Level Voice (1 unit)

Continuation of instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is voice. May be repeated for a total of 4 units. Prerequisite: MUS 1640 or consent of instructor.

MUS 2641 Sophomore Voice Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 2640 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 2646 Lyric Diction I (1 unit)

(Formerly MUS 3645) Fundamentals of technique in articulation and pronunciation as applied to singing in English, Italian, and Ecclesiastical Latin. Drills in acquiring maximum fluency and flexibility of speech organs involved in diction and a study of the International Phonetic Alphabet will be included. Prerequisite: Consent of instructor.

MUS 2650 Intermediate Class Guitar (1 unit)

Introduction to the classical guitar and its repertoire. Prerequisite: MUS 1620 or consent of instructor. (Spring)

MUS 2670 Sophomore-Level Orchestral Instruments (1 unit)

Continuation of instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is strings, woodwinds, brasses, or percussion. May be repeated for a total of 4 units. Prerequisite: MUS 1670 or consent of instructor. (Fall, Spring)

MUS 2671 Sophomore Instrumental Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 2670 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 2733 Feaste of Stanislaus (2 units)

Musical production experience of early music periods. Performance to include singers, instrumentalists, and actors. Prerequisite: Consent of instructor.

MUS 2880 Directed Listening (1 unit)

Listening assignments of live performances sponsored through the Music Department. Attendance at a minimum of eighteen concerts per semester is required of each student. The department will provide periodic overviews and discussions of selected repertory performed. Required of all Music majors and minors enrolled in Applied Studies. (Fall, Spring)

MUS 2900 Music History and Literature I (3 units)

A survey of music history and literature spanning the medieval, Renaissance, and early Baroque periods. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

MUS 2923 Opera Scenes (1 unit)

Explores preparation and interpretation of performing solos and ensembles from operatic literature. Individual coaching emphasizing fundamentals of acting and singing, interpretation, diction, and movement. Prerequisite: Consent of instructor. (Winter)

MUS 2950 Selected Topics in Music (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of music. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor. (Fall, Spring)

Upper Division**MUS 3100 Music History and Literature II (3 units)**

A survey of history and literature spanning the middle- and late-Baroque, Classical, and early Romantic periods. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

MUS 3200 Music History and Literature III (3 units)

A survey of music history and literature spanning the Romantic period and the 20th century. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

MUS 3210 Composition (2 units)

(Formerly MUS 4200) Composition in various styles, textures, and instrumental and vocal combinations. The nature and scope of projects will be determined by discussion between instructor and student and will be compatible with the student's needs and abilities. Public performance of original works will be encouraged. May be repeated for a total of 8 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 3240 Orchestration (2 units)

The study and application of scoring techniques for small and large ensembles with particular attention to tone colors and combinations of instruments. Prerequisite: MUS 2230 or consent of instructor. (Spring)

MUS 3250 Eighteenth Century Counterpoint (2 units)

Counterpoint based on the harmonic practice of J. S. Bach. Harmonic and formal analysis of Bach's inventions and selected fugues from the Well-Tempered Clavichord; emphasis on creative writing in contrapuntal two- and three-part forms. Upon enrolling for Eighteenth Century Counterpoint, transfer students who have completed the equivalent of MUS 2220 and 2230 at another institution must exhibit competency through written and aural examination in materials normally covered in the theory sequence offered at this University. Thus, enrollment may be initiated but not confirmed until successful passage of the required examination. Prerequisite: MUS 2230. (Fall)

MUS 3260 Form and Analysis (WP) (2 units)

Analysis of various types of musical structure including both small and large forms; emphasis on analytic techniques and the comparison of diverse styles. Written assignments will develop the ability to communicate analysis results in narrative format. Satisfies upper division writing proficiency requirement. Prerequisite: MUS 2220 and 2230, or successful passage of theory placement examination; completion of the Writing Proficiency Screening Test with a passing score. (Spring)

MUS 3270 Basic Conducting (2 units)

The study and development of basic elements of conducting and fundamental reading applicable to both vocal and instrumental ensembles. Prerequisites: MUS 1220, 1230, 1320, 1330, and consent of instructor. (Fall)

MUS 3300 Jazz Arranging (1 unit)

(Formerly MUS 2300/4300) Study and practice of jazz arranging for the small ensemble through analysis of significant composers and repertoire. Prerequisite: MUS 2110 (Fall in alternating years)

MUS 3301 Jazz Arranging II (2 units)

Study and practice of jazz arranging for the large ensemble through analysis of significant composers and repertoire. Prerequisite: MUS 3300. (Spring in alternating years)

MUS 3340 Music in Elementary School (3 units)

A study of music experience for children, preschool through sixth grade. A course for upper-division music majors, minors, or the equivalent. Prerequisites: Consent of instructor. (Fall)

MUS 3341 Music for the Classroom Teacher (3 units)

Students will be introduced to music and musical skills necessary to introduce music to K-8 classrooms. Singing, listening, and basic skills with a variety of classroom instruments will be included. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

MUS 3350 Jazz Techniques for the Music Educator (1 unit)

Training in jazz rehearsal techniques, jazz literature for large and small groups, and improvisation pedagogy for future music educators. Prerequisite: Consent of instructor. (Spring in alternating years)

MUS 3370 Music in Secondary Schools (WP) (3 units)

Contemporary trends in music education in the secondary school. Curriculum development, selection and organization of materials, and teaching techniques. Satisfies upper division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score and consent of credential adviser and instructor. (Spring)

MUS 3400 American Music (3 units)

A comprehensive survey and study of the music of the United States and the contributions of American composers from the colonial times to the present. Satisfies G.E. area F2. (Fall, Winter, Spring)

MUS 3410 History of Jazz (3 units)

An introduction to jazz with concentration on its evolution and its development in the United States. Satisfies G.E. area F2. Prerequisite: Junior standing. (Fall, Winter, Spring)

MUS 3420 Music and the Arts (3 units)

Works of art music in a variety of genres will be studied for connections to the visual arts, theatre, and literature. Study will culminate in attendance at a professional performance. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

MUS 3460 Harpsichord Literature (2 units)

A study of the various styles and forms of harpsichord literature from the sixteenth century through the eighteenth century with some performance of smaller pieces. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 3500 Audio Recording (3 units)

(Formerly MIDI Audio Recording) Introduction of basic audio recording principles and techniques progressing from tape-based recording through such subjects as mixers, multi-track recording, effects processors, and microphones. Prerequisite: MUS 2170 or consent of instructor.

MUS 3510 Advanced Audio Recording (3 units)

Continued development of recording skills in a computer-based medium. Students will explore the compact disc as a presentation and archiving medium. Prerequisite: MUS 3500 or consent of instructor.

MUS 3610 Junior-Level Keyboard (1 unit)

Continuation in instruction in technical, stylistic, and aesthetic elements of artistic performance. Designed for music majors or minors whose performance medium is a keyboard instrument. May be repeated for a total of 4 units. Prerequisites: MUS 2610 or consent of instructor, and successful completion of a performance examination. (Fall, Spring)

MUS 3611 Junior Keyboard Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 3610 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 3620 Accompanying (1 unit)

Techniques of accompanying for various performance media. Reading skills are stressed. Students are assigned to work with other student performers or classes. May be repeated for a total of 8 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 3640 Junior-Level Voice (1 unit)

Continuation of instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is voice. May be repeated for a total of 4 units. Prerequisites: MUS 2640 or consent of instructor, and successful completion of a performance examination. (Fall, Spring)

MUS 3641 Junior Voice Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 3640 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 3646 Lyric Diction II (1 unit)

Fundamentals of technique in articulation and pronunciation as applied to singing in German and French, including drills for acquiring maximum fluency and flexibility of speech organs involved in diction, and a continuation of the study of the International Phonetic Alphabet. Prerequisite: Consent of instructor. (Spring in alternating years)

MUS 3650 String Technique I (1 unit)

Development of basic technique of playing violin and viola. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 3660 String Technique II (1 unit)

Continuation of MUS 3650; emphasis will be on technique of playing cello and double bass. Prerequisite: MUS 3650 or consent of instructor. (Spring in alternating years)

MUS 3670 Junior-Level Orchestral Instruments (1 unit)

Continuation of instruction in technical, stylistic, and aesthetic elements of artistic performance. For music majors or minors whose performance medium is strings, woodwinds, brasses, or percussion. May be repeated for a total of 4 units. Prerequisites: MUS 2670 or consent of instructor, and successful completion of a performance examination. (Fall, Spring)

MUS 3671 Junior Instrumental Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 3670 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 3681 Woodwind Techniques I (1 unit)

(Formerly MUS 3680) Pedagogical methods and development of basic techniques of playing flute and single reed woodwind instruments. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 3682 Woodwind Techniques II (1 unit)

(Formerly MUS 3680) Pedagogical methods and development of basic techniques of playing double reed woodwind instruments. Prerequisite: Consent of instructor. (Spring in alternating years)

MUS 3683 Brass Techniques (1 unit)

(Formerly MUS 3680) Pedagogical methods and development of basic techniques of playing brass instruments. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 3684 Percussion Techniques (1 unit)

(Formerly MUS 3680) Pedagogical methods and development of basic techniques of playing percussion instruments. Prerequisite: Consent of instructor. (Spring in alternating years)

MUS 3690 Marching Band Techniques (1 unit)

A study of current marching band techniques. Course investigates charting techniques, showmanship, marching styles, and musical literature for the marching band. Outside field work required. Prerequisite: Ability to read music. (As required)

MUS 4210 Advanced Composition (2 units)

For qualified students in need of advanced study in composition. May be repeated for a total of 6 units. Prerequisite: Senior or graduate standing or consent of instructor. (Fall, Spring)

MUS 4220 Advanced Theory Project (2 units)

For qualified students in need of advanced or specialized study in theory. May be repeated for a total of 6 units. Prerequisites: Senior or graduate standing or consent of instructor. (Fall, Spring)

MUS 4230 Media Project (1 unit)

Creation of a technology-based product for the purpose of entrepreneurship and career development. Examples of such a product include a website, digital portfolio, or demo recording. Prerequisite: Consent of instructor.

MUS 4250 Electronic Portfolio (2 units)

In this capstone experience, students will develop and produce a multimedia collection of their work. Prerequisite: MUS 3510 or consent of instructor.

MUS 4280 Choral Conducting (2 units)

A continuation of MUS 3270 with emphasis on performance of standard choral literature. Study and application of the interpretive aspect of conducting. May be repeated for a total of 4 units with the consent of the instructor. Prerequisites: MUS 3270 and consent of instructor. (Spring)

MUS 4290 Instrumental Conducting (2 units)

A continuation of MUS 3270 with emphasis on further development of baton technique. Emphasis will also be placed on rehearsal procedures and methods, interpretation, score reading, and analysis. May be repeated for a total of 4 units with the consent of instructor. Prerequisites: MUS 3270 and 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)

MUS 4400 Orchestra (1 unit)

Study and performance of standard orchestra music. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 8 units. Prerequisite: An acceptable degree of performance skill. (Fall, Spring)

MUS 4410 Concert Chorale (2 units)

Study and performance of choral masterworks. Open to all students. A voice test will be given. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units. Prerequisites: Ability to read music and an acceptable singing voice. (Fall, Spring)

MUS 4430 University Chamber Singers (1 unit)

A select vocal ensemble specializing in music written for small choral ensembles. A high level of musicianship is required. Students participate in all public performances; field trips and off-campus performances may be required by the instructor. Prerequisites: Ability to read music well and consent of instructor. (Fall, Spring)

MUS 4440 Wind Ensemble (2 units)

Study and performance of materials for the wind band, and for various combinations of wind and percussion instruments. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units. Prerequisite: An acceptable degree of performance skill. (Fall, Spring)

MUS 4448 Keyboard Harmony (1 unit)

Provides advanced pianists with a broad range of keyboard skills including figured bass realization, sight harmonization, transposition, reading from open choral and orchestral scores, and improved sightreading ability. Prerequisites: MUS 1220, 1320, 2220, and 2330.

MUS 4450 Piano Pedagogy (2 units)

Methods and materials for teaching piano at the beginning and the intermediate levels. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 4451 Piano Literature (2 units)

Study of selected major piano works of representative master composers from Bach to the present. Prerequisite: Consent of instructor. (Spring in alternating years)

MUS 4460 Symphony Band (1 unit)

Wind band designed to provide opportunities for music education applications. Music majors may perform on primary or secondary instruments and gain practical conducting experience. Open to music majors, non-music majors, and community members. Students participate in public performances. May be repeated for a total of 8 units. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 4480 Jazz Ensemble (2 units)

Study and performance of repertoire and styles for the jazz ensemble. Students participate in jazz concerts and study improvisation; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 16 units.

MUS 4490 Vocal Ensemble (1 unit)

Study and performance of small ensemble literature for two or more voices. This course will from time to time undertake the performance of chamber operas; field trips and off-campus performances may be required by the instructor. Prerequisite: Consent of instructor. (As required)

MUS 4500 Instrumental Chamber Ensemble (1 unit)

Study and performance of materials for small brass and woodwind ensembles. Students will participate in all public performances; field trips and off-campus performances may be required by the instructor. May be repeated for a total of 8 units. Prerequisites: An acceptable degree of performance skill and consent of instructor. (As required)

MUS 4501 Jazz Chamber Ensemble (1 unit)

Performance application of jazz improvisation techniques and repertoire for small chamber ensemble. Ensembles perform at least one concert per semester. Prerequisite: Consent of instructor.

MUS 4540 Musical Production and Performance (1 unit)

Production and performance of a musical production. Provides experience for instrumentalists. Prerequisite: Consent of instructor.

MUS 4550 Instrumental Literature Seminar (2 units)

Study of literature for orchestra, band, chamber groups, and solo playing, elementary through advanced levels. Students will perform some music and will discuss performance preparation. Prerequisite: Consent of instructor. (Spring)

MUS 4570 Choral Literature Seminar (2 units)

A study of literature suitable for large and small choral organizations, including music for madrigal groups, glee clubs, and church choirs. Prerequisite: Consent of instructor. (Fall in alternating years)

MUS 4572 Secondary Choral Methods and Materials (3 units)

Focuses on specific repertoire and teaching methods for grades 6-12. Practical experience, observation, and basic vocal pedagogy will be covered in this class. Prerequisites: MUS 3270 and consent of instructor.

MUS 4574 Solo Vocal Pedagogy of Western Civilization (2 units)

Detailed examination of vocal physiology and acoustics and their effects on classical solo-vocal technique. Prerequisite: Consent of instructor.

MUS 4575 Solo Vocal Literature of Western Civilization (2 units)

Survey of classical solo vocal literature including German, French, American, British, Italian, Russian, Scandinavian, Spanish, South American, and other Eastern European composers. Prerequisite: Consent of instructor.

MUS 4610 Advanced Keyboard (1 unit)

For music majors whose performance medium is a keyboard instrument. Study and performance of an advanced repertoire with emphasis upon development of style and interpretation as well as technique. May be repeated for a total of 8 units. Prerequisites: Successful completion of junior-level performance examination and consent of instructor. (Fall, Spring)

MUS 4611 Senior Keyboard Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 4610 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 4640 Advanced Voice (1 unit)

Vocal technique for the advanced student; study of German lieder, French and Italian repertoire, and solo material in cantata, oratorio, and opera. For music majors whose performance medium is voice. May be repeated for a total of 8 units. Prerequisite: Successful completion of junior-level performance examination. (Fall, Spring)

MUS 4641 Senior Voice Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 4640 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 4670 Advanced Orchestral Instruments (1 unit)

Advanced instruction in orchestral instruments; strings, woodwinds, brasses, and percussions. For music majors whose performance medium is in one of these categories. May be repeated for a total of 8 units. Prerequisite: Successful completion of junior-level performance examination. (Fall, Spring)

MUS 4671 Senior Instrumental Major Repertoire (1 unit)

Advanced individual study of musical literature associated with concurrent enrollment in MUS 4670 as required for the Bachelor of Music degree in performance. May be repeated for a total of 2 units. Prerequisites: Music major, audition, and program coordinator approval. (Fall, Spring)

MUS 4700 Collegium Musicum (2 units)

Music students will study and apply early music performance practices. Prerequisite: Ability to sing and/or play Renaissance or Baroque instruments. (As required)

MUS 4733 Feaste of Stanislaus (2 units)

Musical production experience of early music periods. Performance to include singers, instrumentalists, and actors. Prerequisite: Consent of instructor.

MUS 4880 Directed Listening (1 unit)

Listening assignments of live performances sponsored through the Music Department. Attendance at a minimum of eighteen concerts per semester is required of each student. The department will provide periodic overviews and discussions of selected repertory performed. (Fall, Spring)

MUS 4900 Senior Recital or Project (1 unit)

The preparation and presentation of either a public recital or an equivalent project in the music discipline. Students giving Senior Recitals must have at least two semesters of senior-level applied instruction. Students who select the Project Track must have completed at least two semesters of junior-level applied study. Prerequisites: Senior standing and completion of two semesters of applied study at the appropriate level. (Fall, Spring)

MUS 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and department Co-op coordinator. May be repeated for a total of 8 units depending upon the department policy. Prerequisites: Sophomore standing and consent of department chair. (Fall, Winter, Spring)

MUS 4923 Opera Scenes (1 units)

Explores preparation and interpretation of performing solos and ensembles from operatic literature. Individual coaching emphasizing fundamentals of acting and singing, interpretation, diction, and movement. Prerequisite: Consent of instructor.

MUS 4950 Selected Topics in Music (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of music. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor. (Fall, Spring)

MUS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor and Department Chair. (Fall, Spring)

Department of Theatre

Clay Everett, M.F.A., *Chair*

Professors: O'Donnell, Mayer, Wendt

Associate Professors: Everett, Sutherland

Assistant Professor: Broadwater, Mercier

Office: Drama Building — D15

Phone: (209) 667-3451

Bachelor of Arts in Theatre Arts (General)**Bachelor of Arts in Theatre Arts****with an emphasis in Acting or Technical Theatre****Minor in Theatre Arts (General)****Liberal Studies degree concentration in Theatre**

The General BA degree track trains undergraduates as general practitioners in the art of Theatre. The curriculum balances theoretical and practical work while featuring a close relationship between courses and production. The students and faculty work together on all aspects of production in a 300-seat mainstage theater and a 100-seat studio theater.

The Bachelor of Arts in Theatre Arts with an Acting Emphasis offers a strong general theatre core curriculum while instilling a comprehensive approach to Acting, Voice, Movement, and Stage Combat. The Bachelor of Arts in Theatre Arts with a Technical Theatre Emphasis offers a strong general theatre core curriculum while instilling a comprehensive approach to aspects of Technical Theatre and Technical Theatre Design.

Students in all three areas will need to take 6 units of Rehearsal and Performance (THEA 4350, which is a one-unit course.) Upon achievement of sophomore status in the University, students will be required to take at least 1 unit of Rehearsal and Performance each semester they are in residence in the Theatre major. Students may enroll in more than one unit of Rehearsal and Performance in one semester by enrolling in two different sections of Rehearsal and Performance (upon approval of instructor or Department Chair). Transfer students must be enrolled in Rehearsal and Performance every semester they are in residence in the program and must complete 6 units of Rehearsal and Performance to graduate.

Upon completion of the Theatre major, a student should be able to collaborate with others in the operation of a theatre or to qualify for further professional training as an artist or as a scholar. Courses in the theatre curriculum also provide aesthetic and cultural enrichment for Liberal Arts students.

Bachelor of Arts in Theatre Arts (General)

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units).
2. Complete the following courses (9 units):
THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
THEA 2420 Stage Movement I, 3 units

The Major (40 units)

1. Complete the following required courses: (25 units)
THEA 3200 Stagecraft I, 3 units
THEA 3240 Costuming, 3 units
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (VWP), 3 units
THEA 4350 Rehearsal and Performance, 6 units
THEA 4600 Directing, 3 units
THEA 4960 Senior Seminar, 4 units
2. Select five (5) courses from the following: (15 units)
THEA 3020 Children's Theatre, 3 units
THEA 3210 Makeup, 3 units
THEA 3250 Stagecraft II, 3 units
THEA 3260 Fundamentals of Light Design, 3 units
THEA 3300 Scenic Design, 3 units
THEA 3420 Stage Movement II, 3 units
THEA 3430 Voice I, 3 units
THEA 3440 Voice II, 3 units
THEA 4020 Performance for Children, 4 units
THEA 4510 Intermediate Acting, 3 units
THEA 4520 Advanced Acting, 3 units
THEA 4550 American Theatre, 3 units

Acting Emphasis Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units).
2. Complete the following courses (9 units):
THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
THEA 2420 Stage Movement I, 3 units

The Major (40 units)

1. Complete the following required courses:
THEA 3200 Stagecraft I, 3 units
THEA 3240 Costuming, 3 units
THEA 3420 Stage Movement II, 3 units
THEA 3430 Voice I, 3 units
THEA 3440 Voice II, 3 units
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (VWP), 3 units
THEA 4350 Rehearsal and Performance, 6 units
THEA 4510 Intermediate Acting, 3 units
THEA 4520 Advanced Acting, 3 units
THEA 4600 Directing, 3 units
THEA 4960 Senior Seminar, 4 units

Technical Theatre Emphasis Requirements

1. Complete University General Education requirements for the Bachelor of Arts Degree (51 units).
2. Complete the following courses (9 units):
THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
THEA 2300 Theatre Workshop I, 3 units

The Major (40 units)

1. 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 3260 Fundamentals of Light Design, 3 units
THEA 3300 Scenic Design, 3 units
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (VWP), 3 units
THEA 4350 Rehearsal and Performance, 6 units
THEA 4510 Intermediate Acting, 3 units
THEA 4600 Directing, 3 units
THEA 4960 Senior Seminar, 4 units

Minor in Theatre Arts

(24 units)

1. Complete the following lower-division courses (6 units):
THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
2. Complete the following upper-division courses (12 units):
THEA 3200 Stagecraft I, 3 units
THEA 3210 Makeup, 3 units, **or**
THEA 3240 Costuming, 3 units
THEA 4510 Intermediate Acting, 3 units
THEA 4600 Directing, 3 units
3. Select from the following (6 units):
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (WVP), 3 units
THEA 4550 American Theatre, 3 units

Learning Objectives

Students will demonstrate:

- Knowledge of the history and traditions of theatre.
- Knowledge of techniques of script and character analysis in the context of a theatrical production/activity.
- Through practical projects, realizations of design and technical work, from both a traditional and contemporary perspective.
- Understanding of shop equipment, safety and techniques through elaboration of production in the scene and costume shops of the department.
- The ability to perform in a variety of studio/stage settings.
- The integration of learning goals through senior projects.
- A strong understanding of teamwork and collaboration.

Liberal Studies Concentration in Theatre

Please refer to the Liberal Studies section of this catalog.

Secondary School Teacher's Certificate in Drama

Please refer to the Graduate Catalog.

Course Descriptions**Lower Division****THEA 1010 Introduction to Theatre (3 units)**

Introductory survey of theatrical art. The theatre as an art form; elements of theatre; classroom practice in the fundamentals of theatrical production. Satisfies G.E. area C1. (Fall, Winter, Spring)

THEA 1110 Playgoing (3 units)

Understanding and appreciating live theatrical performance by both amateurs and professionals. Attending at least five plays. May require field trips to the Bay Area. May be repeated for credit. Three units may satisfy G.E. area C1. (Fall, Spring)

THEA 1500 Acting for Non-Theatre Majors (3 units)

An introductory course for those with limited theatrical experience. Exercises designed to acquaint the student with the requirements of public performance, as well as to assist them in group presentation and dynamics. Satisfies G.E. area C1. Corequisite: THEA 1502. (Fall, Spring)

THEA 1510 Dance for the Stage (3 units)

An introductory course in dance and movement for the stage. Development of a dancer's movement vocabulary. Basic movement exercises for the performing artist, and an introduction to the more common dance styles used in musical theatres. May be repeated for credit. Satisfies G.E. area C1. (Activity, 6 hours) (Spring)

THEA 2300 Theatre Workshop I (3 units)

Practical experience in all phases of theatrical production except acting and stage management. Opportunity for experience in scene building and painting, costume construction, publicity, and box office. May be repeated for credit each semester. Three units may satisfy G.E. area C1. Student must attend one mandatory information meeting held first and second day of each semester, 4 p.m., D-40. (Fall, Spring, Summer)

THEA 2420 Stage Movement I (3 units)

Introductory course for several movement styles as well as unarmed stage combat.

Upper Division**THEA 3020 Children's Theatre (3 units)**

A study of special problems and techniques in the production of formal drama for children; and a consideration of techniques, methods, and materials for use in improvised theatre. Satisfies G.E. area F2. (Fall, Spring)

THEA 3170 Real World Theatre: Comic Improvisation (3 units)

Designed to introduce students to the basic principles of comic improvisation. A historical overview of the development of cultural comic satire will be followed by hands-on activities that will help students develop skills in creative decision-making and script development. Satisfies G.E. areas F2 and G. One of three cluster courses in the G.E. Summit Program (The Real World: A Theatrical Work in Progress). Prerequisite: Consent of Summit Program Coordinator.

THEA 3200 Stagecraft I (3 units)

Principles and techniques of building, painting, mounting, and rigging stage scenery; theory and practice in stage lighting. Individual project work will be included. Lab hours are required. (Fall)

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 makeup, 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.)

THEA 3250 Stagecraft II (3 units)

A continuation of the principles and practice in the techniques of designing, building, painting, mounting, and rigging stage scenery and properties. Practice in stage lighting. Individual project work will be included. May be repeated once for credit with consent of instructor. Lab hours are required. Prerequisite: THEA 3200 or consent of instructor. (Spring)

THEA 3260 Fundamentals of Light Design (3 units)

Introductory course designed to explore and discover the art of light design for the theatre from concept to product. Lab hours are required.

THEA 3300 Scenic Design (3 units)

Project-oriented course designed to explore the realm of scenic design for the stage from concept to graphic presentation.

THEA 3420 Stage Movement II (3 units)

Advanced course using two or more different weapon styles for use on stage. Prerequisite: THEA 2420 or consent of instructor.

THEA 3430 Voice I (3 units)

Introductory course using the Linklater progression of voice work for the stage.

THEA 3440 Voice II (3 units)

Exploration of the international phonetic alphabet (Broad Transcription) for use in neutralizing regional dialects and learning dialects not native to the student. Prerequisite: THEA 3430 or consent of instructor.

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.

THEA 3520 Theatre History II (WP) (3 units)

(Formerly DRAM 3520 The Modern Theatre; formerly Romantic and Modern Theatre) A study of American and European theatre from the mid-19th century to the present. Special attention will be paid to the independent theatre movement, the role of playwright, director, and actor, and the impact of social, economic, and political factors on the development of the contemporary theatre. This course is a continuation of THEA 3510. Satisfies upper-division writing requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. (Spring)

THEA 4020 Performance for Children (4 units)

Preparation and performance of one or more works for the general public. Students will work on all aspects of theatrical production in a manner closely resembling the operation of a repertory theatre company for children. May be repeated for credit. Prerequisite: Consent of instructor obtained by means of audition or interview. (Winter)

THEA 4350 Rehearsal and Performance (1 unit)

Practical experience in acting, stage management, and crew supervision for public performances. Students will be required to take at least one unit of Rehearsal and Performance each semester they are in residence in the Theatre major. Prerequisites: Consent of instructor. (Fall, Spring)

THEA 4510 Intermediate Acting (3 units)

Styles in acting. Intensified scene work from the plays of Shakespeare and Molière progressing to modern realistic and non-realistic drama and comedy. May be repeated for credit; however, only three units will count toward the major. Prerequisite: THEA 1500 or consent of instructor. (Spring)

THEA 4520 Advanced Acting (3 units)

Advanced scene study with emphasis on technique and performance. Scene work taken from modern, naturalistic playwrights; Chekhov to Tennessee Williams. May be repeated for credit; however, only three units will count toward the major. Prerequisite: THEA 4510 or consent of instructor. (Fall)

THEA 4240 Advanced Costume Production (3 units)

Study and application of the costume realization process. Included will be further sewing and pattern making, dying and painting fabrics, hat and jewelry making, and stencil reproduction. Lab hours are required. Prerequisite: THEA 3240 or consent of instructor.

THEA 4550 American Theatre (3 units)

The growth of distinctively American stories, characters, ideas, and institutions as captured in the artistic and commercial development of theatre and drama in the United States from 1750 to the present. Satisfies G.E. area F2 and G. (Fall, Spring)

THEA 4600 Directing (3 units)

Examination of history, principles, and procedures of the theatrical director. Practical scene work in composition, movement, and tempo. Prerequisite: An upper-division acting class or consent of instructor. (Winter)

THEA 4800 Teaching Theatre in Secondary Schools (3 units)

An introduction to teaching methodology and resources for prospective teachers of Theatre Arts at the secondary level. Focus will be on effective classroom presentation of theatre appreciation and the basic elements of theatre in introductory courses, as well as the organization and production of theatrical works in the secondary schools.

THEA 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 6 units. Prerequisites: Sophomore standing and consent of departmental coordinator. (Fall, Winter, Spring)

THEA 4950 Selected Topics in Theatre (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in theatre. Topics may vary each term and are frequently selected to complement current dramatic productions. Different topics may be taken for credit. (Fall, Spring)

THEA 4960 Senior Seminar (4 units)

(Formerly THEA 4610) Senior theatre majors, with the approval of the drama faculty, will select and successfully complete an appropriate project in one of the following areas: acting/directing, design/technical theatre, history/criticism; or the student shall pass a comprehensive examination in theatre. Prerequisites: Standing as a senior theatre major and consent of major advisor. (Spring)

THEA 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

College of Business Administration

Nael A. Aly, Ph.D., *Dean*

Al Petrosky, Ph.D., *Chair, Department of Management, Operations, and Marketing*

Randall B. Brown, Ph.D., *Director, Master of Business Administration Program*
(vacant) *Director, Management Development Center and Student Success Center*

David H. Lindsay, Ph.D., *Chair, Department of Accounting and Finance*

Eleftherios (Al) Tsacle, M.S., *Chair, Department of Computer Information Systems*

Andrew J. Wagner, Ph.D., *Director, Master of Science in Business Administration, Finance:*
International Finance Program

Office: Demergasso-Bava Hall — DBH 202

Phone: (209) 667-3288

The College of Business Administration is fully accredited by AACSB International — The Association to Advance Collegiate Schools of Business. AACSB International accreditation represents the highest standard of achievement for business schools worldwide. AACSB accreditation is the hallmark of excellence in management and business administration education.

The College of Business Administration is organized into three academic departments: Accounting and Finance; Computer Information Systems; and Management, Operations, and Marketing.

Courses in the Bachelor of Science programs are offered both day and evening. In addition to course offerings on the Turlock campus, the College schedules upper-division and graduate courses at the CSU Stanislaus Stockton Center, mediated courses, and on-line courses.

Programs are listed alphabetically within the department that houses them. When a program is housed within the college but not assigned to a specific department, it is listed first.



Applied Studies Program

Nael Aly, Ph.D., *Adviser*
Amin Elmallah, Ph.D., *Adviser*

The Applied Studies faculty is drawn from various departments. Major disciplines include: Communication Studies, Economics, English, Management, Operations Management, Political Science, Psychology, and Sociology.

Office: Demergasso-Bava Hall — DBH 223
Phone: (209) 667-3507

Bachelor of Science in Applied Studies

The Bachelor of Science in Applied Studies program prepares graduates for leadership roles in professional, technical, and vocational fields. This program also provides a broad understanding of the liberal arts. Applied Studies students are prepared for advanced study in a number of programs, for example, the Master of Business Administration and the Master of Public Administration.

Students are urged to check the prerequisites of each course in this program. Course prerequisites assist students in selecting their coursework. Those without the formal prerequisites who feel they may be qualified for other reasons must contact the course instructor to determine if they are eligible to enroll.

Bachelor of Science in Applied Studies

Requirements

1. Complete University General Education-Breadth requirements for a Bachelor of Science degree (51 units minimum).
2. Complete and/or fulfill the following prerequisites to the major.
 - a. A grade point average of 2.5 or better in all lower-division coursework.
 - b. A minimum of 20 semester units of approved course work leading to a technical or vocational degree or certificate with a grade point average of 3.0 or better or other evidence of comparable proficiency in this technical or vocational field.
 - c. The following courses:
 - ACC 2110 Financial Accounting, 3 units
 - CIS 2000 Introduction to Computer Information Systems, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
 - PHIL 4401 Professional Ethics, 3 units
3. Complete the major.

Credit for Approved Coursework

Up to 30 semester units of credit towards the Bachelor of Science degree in Applied Studies may be granted or approved, otherwise nontransferable course work applicable to a technical or vocational degree or certificate.

The Major (27 units minimum)

1. Advanced Communication, two of the following courses from different disciplines:
 - COMM 3110 Organizational Communication, 3 units
 - COMM 3120 Management Communication, 3 units
 - ENGL 3007 Business and Technical Communication (WP), 3 units
2. Administration, the following courses:
 - MGT 3310 Management Theory and Practice, 3 units
 - PSCI 3304 Introduction to Public Administration (WP), 4 units
3. Modern Organization, two or three of the following courses:
 - MGT 4000 Organization and Environment, 3 units
 - MGT 4360 Organizational Behavior, 3 units
 - OM 3010 Operations Management, 3 units
 - PSCI 4300 Organization Theory, 4 units
 - SOCL 4800 Formal Organizations in Modern Society, 3 units
4. Public Policy, one or two of the following courses:
 - ECON 3150 National Income Analysis, 3 units
 - ECON 4335 Political Economy (WP), 4 units
 - ECON 4540 Public Finance and Fiscal Policy, 3 units
 - PSCI 4315 Public Policy Making, 3 units
5. Group Dynamics, zero or one elective course:
 - COMM 4160 Intercultural Communication, 3 units
 - SOCL 4020 Sociology of Small Group Dynamics, 3 units
6. Leadership, one or two of the following courses:
 - COGS/PSYC 4440 Psychology of Workplace Performance, 3 units
 - COMM 4170 Professional Interviewing, 3 units
 - MGT 4340 Executive Leadership, 3 units
 - MGT 4610 Seminar in Human Resource Management, 3 units
 - OM 4570 Quality and Productivity Management, 3 units

Learning Objectives

Students in the Applied Studies program will:

- Develop advanced oral and written communication skills.
- Learn the basics of public sector and private sector administration.
- Learn how to interact constructively and productively with individuals and organizations in the public and private sectors.
- Obtain a basic understanding of: public policy; how a modern organization functions; group dynamics for their anticipated careers; and at least one leadership skill set.

Bachelor of Science in Business Administration

This degree provides preparation for careers in a wide range of business administration and business-related fields, along with:

- a broad, liberal education,
- a basic understanding of the operation of a business enterprise,
- an understanding of the environment in which business exists and of which it is a part,
- proficiency in analyzing, evaluating, and synthesizing managerial decisions, and
- a degree of specialized training in a selected area.

The business administration degree program has four principal components:

- prerequisites to the degree,
- English proficiency requirement,
- the business administration core, and
- the concentration requirements.

The prerequisites, which overlap the general education program, provide the foundation upon which the degree is later constructed. Students should schedule these courses during their freshman and sophomore years. The English proficiency requirement is important for all business courses and should be completed in the junior year.

The **Business Administration core** is a closely coordinated sequence of courses which introduces students to the broad field of business administration, develops knowledge of the organizational and management concepts which underlie the operation of all business enterprises, and develops effective ways of thinking about complex situations encountered in business administration. Except for the integrating course in business policy, which must be taken as the last course in the business administration core, students should schedule most courses in the core in their junior year.

The **area of concentration** provides the opportunity for specialized study in a selected area of interest.

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Satisfy the requirement for proficiency in Writing.
3. Complete the degree requirements, including:
 - a. the prerequisites with a letter grade of C– or better;
 - b. the business administration core with a letter grade of C– or better; and
 - c. the coursework in an area of concentration.
4. At least 50% of the upper-division Business Administration units required for the degree should be earned at CSU Stanislaus. This requirement exceeds the University-wide requirement described elsewhere in this catalog.
5. 3000- and 4000- level business courses may not be taken until the student has achieved junior level standing.

Note: Students planning to receive a degree in business administration should emphasize general education during the first two years, thus laying a foundation upon which the program can be built. In addition, the specified prerequisites to the degree should be completed.

Course Prerequisites

Most courses within the College of Business Administration have specific subject matter prerequisites that must be completed to qualify for enrollment. Lacking such prerequisites, students who can offer convincing evidence of having acquired the necessary background by other means may petition the professor in charge of the course for permission to enroll. At the discretion of the College, a qualifying examination may be required.

The Major (48 units)

1. Complete the following prerequisites (21 units) with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - BLW 2060 Law, Environment, and Ethics, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
2. Complete the Writing Proficiency Requirement, 3 units, required by your concentration.
3. Complete 24 units of coursework in the business administration core with a letter grade of C– or better in each course:
 - CIS 3700 Information Technology for Management, 3 units
 - FIN 3220 Business Finance, 3 units
 - MGT 3310 Management Theory and Practice, 3 units
 - MGT 3400 Seminar in International Business, 3 units
 - MGT 4900 Business Policy, 3 units
 - MKT 3410 Principles of Basic Marketing, 3 units
 - OM 3010 Operations Management, 3 units
 - OM 3020 Management Science, 3 units

Learning Objectives, BSBA core courses

Students enrolled in the College of Business Administration will be able to:

- Communicate clearly and effectively using oral and written communication and electronic media.
- Recognize ethical issues and develop a framework of appropriate resolutions.
- Understand how diverse perspectives relate to business decisions.
- Think with sufficient depth and agility to make sound decisions based on logical analysis and substantive, integrative knowledge of the business disciplines.

Minor in Business Administration**Requirements** (33 units)

- Complete the following prerequisites (18 units) with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
- Complete the following required courses (15 units) with a letter grade of C– or better in each course:
 - CIS 3700 Information Technology for Management, 3 units
 - FIN 3220 Business Finance, 3 units
 - MGT 3310 Management Theory and Practice, 3 units
 - MKT 3410 Principles of Marketing, 3 units
 - OM 3020 Management Science, 3 units

Note: Students from the other colleges on campus who are seeking a Minor in Business Administration should take no more than 25% of their total units in the College of Business Administration.

**Bachelor of Arts in Spanish,
Minor in Business Administration**

This program provides an opportunity for students to earn a BA degree with a major in Spanish and a minor in Business Administration. Students who complete this program with a grade point average of 3.0 or better and score an overall 450 or more with 20th percentile partial scores in quantitative and verbal areas, and a 3.5 in analytical writing on the Graduate Management Admission Test (GMAT) are assured admission to the MBA program. Students with a grade point average below 3.0 may be considered for admission by the MBA Director. Please see the complete program description found in the Spanish section of Modern Languages.

Concentration in Agricultural Business

Nael Aly, Ph.D., *Adviser*

Office: Demergasso-Bava Hall — DBH 223
Phone: (209) 667-3507

Mark E. Bender, Ph.D., *Coordinator*

Office: Bizzini Hall 108A
Phone: (209) 664-6648

This concentration will provide upper-division undergraduate students with the opportunity to specialize in the management of agricultural business to prepare for careers in farm management, agriculturally oriented financial institutions, and businesses primarily in agriculturally related products. The concentration provides for a seamless two-plus-two transition for students transferring from many community college agricultural programs, while fulfilling the prerequisites for the Business Administration core.

Requirements

- Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
- Complete the prerequisites to the concentration.
- Complete the prerequisites to the Business Administration major.
- Complete BUS 3100 Business Technical Writing Communication (WV).
- Complete the Business Administration core.
- Complete the concentration.

Prerequisites to the Concentration

The following courses are prerequisites to the Agricultural Business concentration. Those which count toward University lower-division General Education requirements are:

Introduction to Plant Science (G.E. area B2)

Soils (G.E. area B1)

Agricultural Economics (G.E. area D2)

Note: Community college Agricultural Program prerequisites must be approved in order to satisfy the G.E. requirements listed in parentheses. Verify information at the Enrollment Services Office or the transfer center at the community college.

Additional prerequisites to the concentration include:

Introduction to Animal Science

Agricultural Marketing or Sales

Lower-division agriculture elective (3 units)

Prerequisites to the Major (21 units)

ACC 2110 Financial Accounting, 3 units **or** Agricultural Accounting, 3 units

ACC 2130 Managerial Accounting, 3 units

BLW 2060 Law, Environment, and Ethics, 3 units

ECON 2500 Principles of Macroeconomics, 3 units

ECON 2510 Principles of Microeconomics, 3 units **or** Ag Economics (G.E. area D2), 3 units

MATH 1500 Finite Mathematics, 3 units

MATH 1610 Statistics for Decision Making (G.E. area B3), 3 units

Business Administration Core (24 units)

CIS 3700 Information Technology for Management, 3 units

FIN 3220 Business Finance, 3 units

MGT 3310 Management Theory and Practice, 3 units, **or**

MGT 3300 Farm Management, 3 units

MGT 3400 Seminar in International Business, 3 units

MGT 4900 Business Policy, 3 units

MKT 3410 Principles of Marketing, 3 units, **or**
 MKT 3350 Agricultural Marketing, 3 units
 OM 3010 Operations Management, 3 units
 OM 3020 Management Science, 3 units

The Concentration (18-19 units)

Each course must be completed with a grade of C- or better.

Required Courses

AGST 4940 Agricultural Studies Internship, 3 units
 ECON 4690 Agricultural Finance, 3 units
 MGT 3340 Agricultural Commodity Futures, 3 units
 MGT 4320 Appraisal of Agriculture Property, 3 units

Electives

Choose one from the following:

ECON 4640 Economics and Agriculture, 3 units
 MGT 4930 Strategic Planning in Agriculture, 3 units

Choose one from the following:

ECON 4100 Labor Economics, 3 units
 ECON 4455 The U.S. and World Trade, 4 units
 GEOG 4070 Agriculture Geography, 4 units
 MGT 4380 Public Policy in Agriculture, 3 units
 MGT 4620 Seminar in Labor Management Relations, 3 units
 MKT 4470 Global Marketing, 4 units
 OM 4580 Supply Chain Management, 3 units
 PSCI 4326 Planning Issues and Agriculture, 4 units

Concentration in General Business

Nael A. Aly, Ph.D., *Adviser*

Office: Demergasso-Bava Hall 223
 Phone: (209) 667-3507

The General Business concentration is intended for students wishing to take coursework in several functional areas of business. To this end, the student must choose coursework in a minimum of three different functional areas of business administration and computer information systems. The resulting broad overview of business should enable graduates to gain entry into a variety of lower-level management positions in a broad range of businesses.

Requirements

1. Complete University General Education requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C- or better in each course:
 ACC 2110 Financial Accounting, 3 units

- ACC 2130 Managerial Accounting, 3 units
 BLW 2060 Law, Environment, and Ethics, 3 units
 ECON 2500 Principles of Macroeconomics, 3 units
 ECON 2510 Principles of Microeconomics, 3 units
 MATH 1500 Finite Mathematics, 3 units
 MATH 1610 Statistics for Decision Making, 3 units
3. Complete BUS 3100 Business Technical Writing Communication (W/P) (English proficiency requirement), 3 units.
 4. Complete 24 units of course work in the business administration core with a letter grade of C- or better in each course:
 CIS 3700 Information Technology for Management, 3 units
 FIN 3220 Business Finance, 3 units
 MGT 3310 Management Theory and Practice, 3 units
 MGT 3400 Seminar in International Business, 3 units
 MGT 4900 Business Policy, 3 units
 MKT 3410 Principles of Marketing, 3 units
 OM 3010 Operations Management, 3 units
 OM 3020 Management Science, 3 units
 5. Complete the concentration.

The Concentration (15 units)

Complete 15 units of upper-division (3000- and 4000-numbered courses) coursework in a minimum of three of the six functional areas of Accounting, Finance, Management, Marketing, Computer Information Systems, and Operations Management within the College of Business Administration. These courses may not include the General Education courses ACC 3005 Personal Financial Planning, CIS 3780 Management Information Systems and Microcomputers, and FIN 3210 Investment Management.

Note: All courses in the General Business concentration must be completed with a letter grade of C- or better.

Course Descriptions

Please refer to course descriptions listed under the Accounting, Finance, Computer Information Systems, Management, Marketing, and Operations Management sections of this catalog.

Lower Division**BUS 1040 Seminar in First-Year Experience (2 units)**

(Formerly Freshman Experience Seminar) (Same as MDIS 1040) Introductory seminar explores relationships between two linked academic courses; supports academic adjustment and skill enhancement; and connects students with faculty, peer advisers, and campus resources and services. Students will have the opportunity to reflect on course content individually and in groups, and define their learning goals. Satisfies G.E. area EI. Corequisite: Identified linked academic courses.

BUS 1500 Introduction to Business (3 units)

Principles of business with a focus on the organization, strategy, operations, and impact of small and publicly traded enterprises in the modern American society. Functional areas include management, marketing, operations, accounting, and finance. Topics examined include the role of entrepreneurship, the importance of customer focus, and the role of ethics and social responsibility in a diverse and global environment. Satisfies G.E. area D2. (Fall, Spring, Summer)

Upper Division**BUS 3000 Introduction to Global Business (3 units)**

Fundamentals of the nature, scope, institutions, and mechanics of today's global business environment. Explanation of the position of the U.S. in the global marketplace as well as its role in promoting its companies involvement in global business activities. Examination of U.S. company strategies for entry and operation in international markets, and development of a broader understanding of global business impact on people's lives in the U.S. and countries around the world. Satisfies G.E. area F3. Prerequisite: Junior standing. (Fall, Spring, Summer)

BUS 3090 Ethics for Business Professionals (3 units)

Course further develops the initial exposure to theories of ethics, structured decision-making, and the concepts of social responsibility provided by lower division coursework. Course includes in-depth coverage of professional ethics. This is a service learning course. Prerequisites: WP Course (BUS 3100, ENGL 3007, or ACC 3125 as required by major program), BUS 2090 or equivalent, junior standing.

BUS 3100 Business Technical Writing Communication (WP) (3 units)

Course explores concepts, theories, and practices of written communication for managers and professionals. Course integrates the use of language, both in conversation and writing, and includes group work and team interaction. Special emphasis will be placed on the impact of technology and the Internet on business communication and the integration of graphics in written communication. Topics include the practice of formal styles and formats of business writing, preparation of formal reports, development of research skills. Assignments will reflect real issues in the business world. Satisfies upper-division writing proficiency requirement. Prerequisites: Passing the Writing Proficiency Screening Test; junior standing; ENGL 1001 or 1002, and 2000 or equivalents.

Department of Accounting and Finance

David H. Lindsay, Ph.D., C.P.A., *Chair*

Concentration in Accounting

Professors: Campbell, Filling, Garner, Lindsay

Associate Professors: Johnson, L., Tan

Assistant Professor: McGhee

Office: Demergasso-Bava Hall 216
Phone: (209) 667-3671

Accounting is a systematic way of analyzing and describing the activities of a business or other economic entity primarily in monetary terms. Its purpose is to provide useful information to managers, owners, investors, creditors, regulatory agencies, and others concerned about such information. Accounting involves analyzing and recording transactions and other events, combining recorded data in useful ways, and reporting results to those concerned. It also involves the art of analyzing and interpreting financial statements and other information provided by the accounting process.

Graduates will be prepared to function effectively in a competitive, professional environment where they must be adept with computers, software, and the people who create and maintain that software.

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - BLW 2060 Law, Environment, and Ethics, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
3. Complete ACC 3125 Accounting Research and Communication (WP), 3 units

4. Complete 24 units of coursework in the business administration core with a letter grade of C– or better in each course:
 CIS 3700 Information Technology for Management, 3 units
 FIN 3220 Business Finance, 3 units
 MGT 3310 Management Theory and Practice, 3 units
 MGT 3400 Seminar in International Business, 3 units
 MGT 4900 Business Policy, 3 units
 MKT 3410 Principles of Marketing, 3 units
 OM 3010 Operations Management, 3 units
 OM 3020 Management Science, 3 units
5. Complete the concentration.

The Concentration (28 units)

- I. Required courses, each of which must be completed with a grade of C– or better:
 ACC 3110 Intermediate Accounting I, 4 units
 ACC 3120 Intermediate Accounting II, 4 units
 ACC 3140 Cost Accounting, 4 units
 ACC 4110 Advanced Accounting, 4 units
 ACC 4120 Auditing, 4 units
 ACC 4140 Income Tax Accounting, 4 units
 ACC 4160 Computers in Accounting, 4 units

Note: A 2.0 grade point average must be earned in all required courses.

Uniform Certified Public Accountant Examination

Students preparing for the CPA Examination should take ACC 4110, 4120, 4140, 4160, and BLW 3060 as an elective.

Certified Management Accountant Examination

Students preparing for the CMA Examination should take ACC 4110, 4120, 4140, and 4160.

Course Descriptions

Lower Division

ACC 2110 Financial Accounting (3 units)

Introduction to financial statements of business entities. Underlying principles and procedures. Measurement of periodic income and financial position. Prerequisite: Sophomore standing. (CAN BUS 2) (Fall, Spring)

ACC 2130 Managerial Accounting (3 units)

Analysis, use, interpretation, and synthesis of accounting and financial data for and by management for planning, control, and decision making purposes. Prerequisite: ACC 2110. (CAN BUS 4) (Fall, Spring)

ACC 2950 Selected Topics in Accounting (1-4 units)

(Topics to be specified in Class Schedule) Development of a selected topic in accounting. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division

ACC 3005 Personal Financial Planning (3 units)

A study of basic personal financial planning principles in order to provide the students with a framework for making sensible decisions in the management of their personal financial resources. Covers material important for making rational consumption and investment decisions. The importance of tax, retirement, and estate planning practices and principles in wealth accumulation and transfers is emphasized. Not acceptable for concentration requirements. Satisfies G.E. area F3. Prerequisite: Junior standing. (Fall, Winter, Spring)

ACC 3110 Intermediate Accounting I (4 units)

Accounting for financial position and results of operations, cash, receivables, inventories, property, plant and equipment, other non-current assets, and current liabilities. Prerequisite: ACC 2110. (Fall, Spring)

ACC 3120 Intermediate Accounting II (4 units)

Accounting for bonds, other non-current liabilities, investments, stockholders' equity, earnings per share, pensions, leases, accounting changes, error correction and changes in financial position. Prerequisite: ACC 3110 or consent of instructor. (Fall, Spring)

ACC 3125 Accounting Research and Communication (WP) (3 units)

Research methods for accounting and effective presentation of information, both oral and written. Assignments use financial accounting issues covered in ACC 3110 and 3120. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; junior standing; ENGL 1001 or 1002 or equivalents or concurrent enrollment in ACC 3110 or 3120.

ACC 3140 Cost Accounting (4 units)

Theory and practice of cost accounting, including costing manufactured products, planning and control of operations, budgeting, standards, and relevant quantitative techniques. Prerequisites: ACC 2130; MATH 1500, 1610. (Fall, Spring)

ACC 3170 Real World Accounting (3 units)

Introduces students to accounting as an activity which impacts their personal and professional lives. Includes hands-on work with QuickBooks. Satisfies G.E. area F3. One of three cluster courses in the G.E. Summit Program (The Real World: A Theatrical Work in Progress). Prerequisite: Consent of Summit Program Coordinator.

ACC 4110 Advanced Accounting (4 units)

Accounting for business combinations, international accounting standards, consolidated financial statements, foreign operations, industry segments, financially distressed companies, partnerships, governmental units, and other non-profit entities. Prerequisite: ACC 3120 or consent of instructor. (Fall, Spring)

ACC 4120 Auditing (4 units)

Standards and procedures broadly applied to examination of financial statements, including a consideration of the field of public accounting, professional ethics, internal controls, preparation of working papers, and audit reports. Prerequisite: ACC 3120. (Fall, Spring)

ACC 4140 Income Tax Accounting (4 units)

Principles and concepts of federal income tax for individuals, corporations, and partnerships; underlying rationale; advance planning to minimize tax impact. Prerequisite: ACC 2110. (Fall, Spring)

ACC 4160 Computers in Accounting (4 units)

A study of the uses of computers in accounting. Topics include the software available to perform financial and managerial tasks, accounting system design, and the internal control problems associated with computerized systems. Includes extensive individual work using personal computers and accounting software. Corequisite: ACC 4162. Prerequisite: ACC 2130, 3110, CIS 2700, or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Fall, Spring)

ACC 4910 Cooperative Education in Accounting (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment in Accounting. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental approval. Prerequisites: Junior standing and consent of departmental coordinator prior to registration.

ACC 4940 Internship (3 units)

Supervised field experience in a selected area of accounting. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

ACC 4950 Selected Topics in Accounting (1-5 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

ACC 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

Business Law Course Descriptions**Lower Division****BLW 2060 Law, Environment and Ethics (3 units)**

Law applicable to businesses; legal, ethical, political, and social environments in which businesses operate; sources of law; legal reasoning and procedure; law of contracts, agency. (CAN BUS 12) (Fall, Spring)

Upper Division**BLW 3060 Advanced Business Law (3 units)**

Laws relating to sales, commercial paper, secured transactions, debtor-creditor rights, bankruptcy, agency, employment, partnerships, corporations, real and personal property including protection of interests. Prerequisite: BLW 2060. (Fall)

Concentration in Finance

Associate Professor: Wagner

Assistant Professors: Huang, T., Zong

Office: Demergasso-Bava Hall 216
Phone: (209) 667-3671

Business finance is the three-fold function of determining funds requirements, evaluating and selecting alternate sources of funds, and managing available funds to achieve specified objectives.

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C- or better in each course:
ACC 2110 Financial Accounting, 3 units
ACC 2130 Managerial Accounting, 3 units
BLW 2060 Law, Environment, and Ethics, 3 units
ECON 2500 Principles of Macroeconomics, 3 units
ECON 2510 Principles of Microeconomics, 3 units
MATH 1500 Finite Mathematics, 3 units
MATH 1610 Statistics for Decision Making, 3 units
3. Complete BUS 3100 Business Technical Writing Communication (VWP), 3 units
4. Complete 24 units of coursework in the business administration core with a letter grade of C- or better in each course:
CIS 3700 Information Technology for Management, 3 units
FIN 3220 Business Finance, 3 units
MGT 3310 Management Theory and Practice, 3 units
MGT 3400 Seminar in International Business, 3 units
MGT 4900 Business Policy, 3 units
MKT 3410 Principles of Marketing, 3 units
OM 3010 Operations Management, 3 units
OM 3020 Management Science, 3 units
5. Complete the concentration.

The Concentration (16 units)

1. Complete the following required courses (12 units):
FIN 4210 Security Analysis and Portfolio Management, 4 units
FIN 4240 Financial Markets and Institutions, 4 units

- FIN 4820 Seminar in Financial Management, 4 units
2. Complete at least one elective course from the following (4 units):
- FIN 4310 Real Estate Finance and Investment (4 units)
- FIN 4330 International Finance, 4 units
- FIN 4840 Derivative Securities, 4 units
- FIN 4850/51 Computer Applications in Finance and Lab, 4 units

Note: All courses in the Finance concentration must be completed with a letter grade of C– or better. The Finance concentration must be completed with an overall grade point average of 2.0 or better.

Course Descriptions

Upper Division

FIN 3210 Investment Management (3 units)

Introduces the student to both the traditional and the modern theories of investment in a manner that is easy to understand and enjoyable to study. Not acceptable for concentration requirements. Satisfies G.E. area F3. Prerequisite: MATH 1600 or 1610. (Fall)

FIN 3220 Business Finance (3 units)

Risk and rates of return, valuation of securities, financial statement analysis, financial planning, determination of funds requirements, capital structure and cost of capital, analysis of investment opportunities. Prerequisites: ACC 2130 or 3140; MATH 1610. (Fall, Winter, Spring)

FIN 4210 Security Analysis and Portfolio Management (4 units)

A basic treatment of the problems of security analysis and of portfolio selection and management with emphasis on the investment problems of the individual investor. Prerequisite: FIN 3220. (Spring)

FIN 4240 Financial Markets and Institutions (4 units)

Analysis of financial markets and various types of financial institutions both bank and non-bank; emphasis on supply of funds, and differentiating functions and practices; interrelationships of financial intermediation and business firms. Prerequisite: FIN 3220 or ECON 3320. (Spring)

FIN 4310 Real Estate Finance and Investment (4 units)

An analysis of the risks, practices, and problems involved in financing and investing in real property. Prerequisite: FIN 3220. (Fall)

FIN 4330 International Finance (4 units)

Examines the functioning of the international monetary system and the international financial arrangements as well as the financial problems of firms operating internationally. Includes the collection, measurement, and analysis of international financial data using computer applications. Prerequisite: FIN 3220. (Fall)

FIN 4820 Seminar in Financial Management (4 units)

Designed to focus on the analysis of financial policies and problems of non-financial firms. An extension of FIN 3220, it is intended to develop elements of the theory of business finance, to introduce the case study and/or simulation methods within the financial management context, and to access computer files (library programs and data banks) in financial analysis and decision making; heavy use of Excel in solving cases and problems in financial management. Prerequisites: FIN 3220 and OM 3020. (Fall)

FIN 4840 Derivative Securities (4 units)

Introduction to arbitrage-based pricing of derivative securities to focus on valuation of options, futures and swap contracts, and applications of derivatives for risk management purposes. Prerequisite: FIN 3220.

FIN 4850 Computer Applications in Finance (4 units)

Deals with the study of the uses of computers in financial management. Software packages such as Excel and SPSS are used to solve problems and cases in finance. Corequisite: FIN 4851. Prerequisites: CIS 3780 and FIN 3220. (Lecture, 3 hours; laboratory, 2 hours) (Spring)

FIN 4910 Cooperative Education in Finance (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment in finance. Students are placed in private or public sector positions under the supervision of the employer and department Co-op coordinator. May be repeated for a total of 8 units depending upon departmental approval. Prerequisites: Sophomore standing and consent of departmental coordinator prior to registration.

FIN 4940 Internship (3 units)

Supervised field experience in a selected area of finance. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

FIN 4950 Selected Topics in Finance (1-4 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

FIN 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

Department of Computer Information Systems

Eleftherios (Al) Tsacle, M.S., *Chair*

Professors: Deng, Gackowski, Lodewyck, Tsacle

Assistant Professors: Pengtao Li, Petratos

Office: Demergasso-Bava Hall — DBH 212
Phone: (209) 667-3568

Bachelor of Science in Computer Information Systems

This degree program provides preparation for careers in computer information systems involving the management of information resources—computer data and voice communication—to support business operations and corporate strategy.

Degree objectives include (1) a broad-based liberal education, (2) a basic understanding of business functions and organizations, (3) a basic understanding of computer information system functions, and (4) proficiency in analyzing, evaluating, and developing computer information systems to support decision-making.

Computer information systems core courses introduce the student to business functions, organizations, computer information systems concepts, and practice. The core develops effective skills to analyze, design, implement, and test computer information systems to support decision-making and transaction processing.

Students majoring in computer information systems are required to complete a two-semester course sequence in programming. Students may choose from the following languages: Visual Basic or Java. In addition, all CIS majors must complete courses in Database Management Systems, Systems Administration, Network Administration, and Systems Analysis and Design.

Bachelor of Science in Computer Information Systems

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites to the major (24 units):
ACC 2110 Financial Accounting, 3 units
ACC 2130 Managerial Accounting, 3 units
BLW 2060 Law, Environment and Ethics, 3 units
CIS 2000 Introduction to Computer Information Systems, 3 units
CIS 2020 Visual Basic Programming, 3 units, **or**
CIS 2030 Introduction to Java Programming, 3 units
ECON 2510 Principles of Microeconomics, 3 units
MATH 1500 Finite Mathematics, 3 units
MATH 1610 Statistics for Decision Making, 3 units

3. Complete each prerequisite, major, and elective course with a grade C– or better.
4. Complete the Writing Proficiency Requirement, BUS 3100 Business Technical Writing Communication (WP), 3 units, **or**
ENGL 3007 Business and Technical Communication (WP), 3 units
5. Completion of a minor is not required.
6. At least 50 percent of the business units required for the degree should be earned at CSU Stanislaus. This requirement exceeds the University-wide requirement.

The Major (45 units)

Complete the following core courses (39 units):

- CIS 3020 Advanced Visual Basic Programming, 3 units **or**
CIS 3030 Advanced Java Programming, 3 units
CIS 3700 Information Technology for Management, 3 units
CIS 4100 Systems Administration, 3 units
CIS 4720 Data Base Management Systems, 3 units
CIS 4770 Systems Analysis and Design, 3 units
CIS 4800 Network Administration, 3 units
FIN 3220 Business Finance, 3 units
MGT 3310 Management Theory and Practice, 3 units
MGT 3400 Seminar in International Business, 3 units
MGT 4900 Business Policy, 3 units,
MKT 3410 Principles of Marketing, 3 units
OM 3010 Operations Management, 3 units
OM 3020 Management Science, 3 units

Electives (6 units)

Complete two of the following:

- CIS 3760 Computer Graphics, 3 units
CIS 3800 Web-Based Information Retrieval and Analysis, 3 units
CIS 4710 Information Systems Management, 3 units
CIS 4740 Advanced Data Base Management Systems, 3 units
CIS 4750 Decision Support Systems, 3 units
CIS 4780 Computer Information Systems Design, 3 units
CIS 4820 Database Driven Website Development, 3 units
CIS 4900 Application Development Project, 3 units
CIS 4940 Internship, 3 units
CIS 4950 Selected Topics in Computer Information Systems, 3 units

Minor in Computer Information Systems

A student majoring in any discipline other than Business Administration may minor in Computer Information Systems by completing the following:

Requirements (24 units)

1. Complete the following prerequisites to the minor (15 units):
 - ACC 2110 Financial Accounting, 3 units
 - CIS 2020 Visual Basic Programming, 3 units, **or**
 - CIS 2030 Introduction to Java Programming, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
 - MGT 3310 Management Theory and Practice, 3 units
2. Complete CIS 3700 Information Technology for Management, 3 units, **and** two of the following courses (9 units):
 - CIS 3020 Advanced Visual Basic Programming, 3 units, **or**
 - CIS 3030 Advanced Java Programming, 3 units
 - CIS 3760 Computer Graphics, 3 units
 - CIS 3800 Web-Based Information Retrieval and Analysis, 3 units
 - CIS 4100 Systems Administration, 3 units
 - CIS 4710 Information Systems Management, 3 units
 - CIS 4720 Data Base Management Systems, 3 units
 - CIS 4740 Advanced Data Base Management Systems, 3 units
 - CIS 4750 Decision Support Systems, 3 units
 - CIS 4770 Systems Analysis and Design, 3 units
 - CIS 4780 Computer Information Systems Design, 3 units
 - CIS 4800 Network Administration, 3 units
 - CIS 4820 Database Driven Website Development, 3 units

A student majoring in Business Administration may receive a minor in Computer Information Systems by completing the courses listed below:

1. Complete one of the following prerequisites (3 units):
 - CIS 2020 Visual Basic Programming, 3 units, **or**
 - CIS 2030 Introduction to Java Programming, 3 units
2. Complete three of the following courses (9 units):
 - CIS 3020 Advanced Visual Basic Programming, 3 units, **or**
 - CIS 3030 Advanced Java Programming, 3 units
 - CIS 3760 Computer Graphics, 3 units
 - CIS 3800 Web-Based Information Retrieval and Analysis, 3 units
 - CIS 4100 Systems Administration, 3 units
 - CIS 4710 Information Systems Management, 3 units
 - CIS 4720 Data Base Management Systems, 3 units
 - CIS 4740 Advanced Data Base Management Systems, 3 units
 - CIS 4750 Decision Support Systems, 3 units
 - CIS 4770 Systems Analysis and Design, 3 units
 - CIS 4780 Computer Information Systems Design, 3 units
 - CIS 4800 Network Administration, 3 units
 - CIS 4820 Database Driven Website Development, 3 units

Course Descriptions**Lower Division****CIS 2000 Introduction to Computer Information Systems (3 units)**

Introduction to the use of computers in business. Hardware/software concepts, components and their integration into business applications. The student will be introduced to word-processing, spreadsheet, database, and Internet applications. Satisfies G.E. area EI. Corequisite: CIS 2002. (Lecture, 2 hours; laboratory, 2 hours) (CAN BUS 6)

CIS 2010 Introduction to COBOL Programming (3 units)

Introduction to COBOL programming language and to structured top-down design techniques. Programs will be designed and written to access mass-storage files, analyze data, and generate reports. Corequisite: CIS 2012. Prerequisite: Computer literacy (such as CIS 2000). (Lecture, 2 hours; laboratory, 2 hours) (CAN CSCI 8)

CIS 2020 Visual Basic Programming (3 units)

Introduction to Visual Basic programming for business applications. Covers principles of object oriented, interactive, and file maintenance programming. Several business application programs will be written. Corequisite: CIS 2022. Prerequisite: CIS 2000. (Lecture, 2 hours; laboratory, 2 hours)

CIS 2030 Introduction to Java Programming (3 units)

(Formerly Java/C++ Programming) Introduction to Java programming for business applications. Covers the principles of object oriented, interactive, and file maintenance programming. Emphasis will be placed on Graphical User Interfaces and web programming. Corequisite: CIS 2032. Prerequisite: Computer literacy (such as CIS 2000). (Lecture, 2 hours; laboratory, 2 hours)

Upper Division**CIS 3010 Advanced COBOL Programming (3 units)**

(Formerly CIS 3011) A continuation of CIS 2010. Places emphasis on advanced programming methods and techniques in COBOL. Students will become knowledgeable in file creation, data retrieval, report formatting, data sorting, table structures, advanced debugging tools, in conjunction with features of COBOL Report writer software. Field trips may be required for on-site exposure. Corequisite: CIS 3012. Prerequisite: CIS 2010. (Lecture, 2 hours; laboratory, 2 hours)

CIS 3020 Advanced Visual Basic Programming (3 units)

(Formerly CIS 3730 Structured Programming) A continuation of CIS 2020. Places emphasis on advanced programming methods and techniques in Visual Basic. Corequisite: CIS 3022 (Formerly CIS 3732). Prerequisite: CIS 2020 (Lecture, 2 hours; laboratory, 2 hours)

CIS 3030 Advanced Java Programming (3 units)

(Formerly Advanced Java/C++ Programming) A continuation of CIS 2030. Students will be introduced to advanced programming techniques including Object Oriented Design, array processing, recursion, user defined methods, and advanced GUIs and graphics. Corequisite: CIS 3032. Prerequisite: CIS 2030 or equivalent. (Lecture, 2 hours; laboratory, 2 hours)

CIS 3760 Computer Graphics (3 units)

An introduction to interactive computer graphics with emphasis on business and management applications. Topics will include the graphic representation of data, coordinates systems, graphic primitives, transformations, display structures, types of display, and data acquisition devices. Corequisite: CIS 3762. Prerequisites: Computer literacy (such as CIS 2000) and CIS 2010. (Lecture, 2 hours; laboratory, 2 hours)

CIS 3700 Information Technology for Management (3 units)

(Formerly CIS 2700) Overview of the value and applications of IT to business organizations with a management perspective. Topics of interest may include: current trends of IT infrastructure, strategic roles of IT, enterprise systems and supply chain management, e-Commerce and EDI, knowledge management, decision making model, DSSs, artificial intelligence and expert systems, data mining, data base management, multidimensional data bases, and IS planning and development. Lab projects will focus on the application of IT to the design and development of models for improving managerial decision making. Corequisite: CIS 3702. Prerequisite: CIS 2000 or equivalent. (Lecture, 2 hours; laboratory, 2 hours)

CIS 3780 Management Information Systems and Microcomputers (3 units)

A focus on management considerations of information technology specifically microcomputers, in the business environment. Students will prepare projects involving hands-on learning of decision support, data base, financial accounting, marketing, operations, software in microcomputers. Satisfies G.E. area F3. Corequisite: CIS 3782. Prerequisite: Computer Literacy (such as CIS 2000). (Credit may not be given for both CIS 2700 and CIS 3780.) (Lecture, 2 hours; laboratory, 2 hours)

CIS 3800 Web-Based Information Retrieval and Analysis (3 units)

How to locate and use information effectively for research and personal productivity. Specification of information requirements, effective information search and retrieval methodologies, modeling, and data analysis. Corequisite: CIS 3802. Prerequisites: CIS 2000 or CS 2000 or CS 4000 and upper-division standing. (Lecture, 2 hours; laboratory, 2 hours)

CIS 4000 Personal Computer Security (3 units)

Course provides an initial exposure to personal computer security. Includes identifying security complexities introduced when computers are used in a networked environment, identifying possible threats, and creating and enforcing a security policy in a real world business environment. Corequisite: CIS 4002.

CIS 4100 Systems Administration (3 units)

Covers memory management, processor management, device management, and information management functions. Operation systems such as UNIX, Windows NT, and Windows 2000 will be used as examples. Corequisite: CIS 4102. Prerequisites: CIS 2700 and 3010 or CIS 3020 or CIS 3030. (Lecture, 2 hours; laboratory, 2 hours)

CIS 4600 Information Technology Project Management (3 units)

Course is an introduction to the fundamental concepts, applications, art, and science of information technology project management. Course explains the foundations of project management - project integration, scope, time, cost quality, human resources, communications, risk, and procurement - using the experiences of real-life businesses. No prior knowledge in computing required. Corequisite: CIS 4602. (Lecture, 2 hours; laboratory, 2 hours)

CIS 4710 Information Systems Management (3 units)

Examination of the strategic impact of information technology on the contemporary business environment. Management of the information resources in the modern business environment, with emphasis on planning, organizing, and controlling the services provided by the Computer Information Systems function for the users. Managing of end-user computing and information centers. Case studies. Corequisite: CIS 4713. Prerequisite: CIS 4770. (Lecture, 2 hours; activity, 2 hours)

CIS 4720 Data Base Management Systems (3 units)

The design and implementation of computer-based data bases utilizing a commercial data base management system from the business systems analyst's point of view. Provides background for the intelligent selection and use of data base management systems. Topics include discussion of types of available systems, functions of data base administration, conceptual data base design, data independence integrity, privacy, and query. The student will design and implement a data base utilizing a data base management system. Corequisite: CIS 4723. Prerequisite: CIS 2010 or one semester of another programming language. (Lecture, 2 hours; activity, 2 hours)

CIS 4740 Advanced Data Base Management Systems (3 units)

Continuation of CIS 4720. Students will spend most of their time completing DBMS projects using commercial database systems. Emphasis will be placed on the ability to design and execute a real world DBMS for real firms using mainframe and micro packages. Corequisite: CIS 4742. Prerequisite: CIS 4720. (Lecture, 2 hours; laboratory, 2 hours)

CIS 4750 Decision Support Systems (3 units)

Design and implementation of computer-based decision support systems. Emphasis will be placed on using EXCEL and VBA for the development of DSSs, decision analysis, data mining, simulation, mathematical modeling and statistical modeling techniques for business decision-making and problem- solving. Corequisite: CIS 4753. Prerequisite: CIS 2700. (Lecture, 2 hours; activity, 2 hours)

CIS 4770 Systems Analysis and Design (3 units)

Structured and object-oriented analysis and design of computer based information systems and major computer application projects. The system development life cycle and prototyping are studied with techniques supporting creativity, industrial strength CASE tools, and case studies. Corequisite: CIS 4773. Prerequisites: CIS 2010 or CIS 2020 or CIS 2030, and CIS 2700. (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

CIS 4780 Computer Information Systems Design (3 units)

Conceptual background and structure of computer-based information systems that support decision making at all levels of management, including planning, design, implementation, administration, and control of information systems are studied with cases. Creative solution techniques and the use of industrial strength CASE tools will be emphasized. Corequisite: CIS 4783. Prerequisites: CIS 3010, or 3020, or 3030, CIS 4720, and 4770. (Lecture, 2 hours; activity, 2 hours)

CIS 4800 Network Administration (3 units)

(Formerly Business Data Communications) Data communications in a business environment: Media and hardware; data link protocols; networking, including Local Area Networks; distributed databases; technical and managerial issues; preparing and implementing a communications plan. Hands-on projects, field trips, and case studies. Corequisite: CIS 4803. Prerequisite: CIS 4100. (Lecture, 2 hours; activity, 2 hours)

CIS 4820 Database Driven Website Development (3 units)

Design and development of Internet/Intranet/Extranet e-Business web sites. Topics include active site development, advanced web page authoring, web servers, and multimedia streaming. Corequisite: CIS 4823. Prerequisite: CIS 4720. (Lecture, 2 hours; activity, 2 hours)

CIS 4900 Application Development Project (3 units)

(Formerly CIS 4790 Applied Software Development Project) Application of computer programming and system development concepts, principles, and practices to a real world comprehensive systems development project. Student teams will work for a regional firm to analyze, design, document, and implement realistic systems of moderate complexity. Use of appropriate project management methods (scheduling and control) in the solution of a real problem. An integrative experience intended as the capstone of the major. Prerequisites: CIS 4770, and at least one of the following: CIS 4720, CIS 4750, CIS 4780 or CIS 4800 in agreement with the instructor consulting the project and depending on the type of application.

CIS 4910 Cooperative Education in Computer Information Systems (2-4 units)

Provides an opportunity to acquire relevant employment in computer information systems. Students are placed in private or public sector positions under the supervision of the employer and departmental Coop coordinator. May be repeated for a total of 8 units depending upon departmental approval. Prerequisites: Sophomore standing and consent of departmental coordinator prior to registration.

CIS 4940 Internship (3 units)

Supervised field experience in a selected area of computer information systems. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

CIS 4950 Selected Topics in Computer Information Systems (1-4 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

CIS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

**Department of Management,
Operations, and Marketing**

Al Petrosky, Ph.D., *Chair*

Concentration in Management

Professors: Brown, Chan, Gnepa, Hernandez, Peter Li,
Associate Professor: Harris
Lecturer: Badal

Office: Demergasso-Bava Hall 223
Phone: (209) 667-3507

The Management concentration curriculum enables the student to obtain both a managerial perspective and a functional background suitable for entry-level management positions in a variety of organizations.

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - BLW 2060 Law, Environment, and Ethics, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units

3. Complete BUS 3100 Business and Technical Writing Communication (WP) (English proficiency requirement), 3 units.
4. Complete 24 units of coursework in the business administration core with a letter grade of C– or better in each course:
 - CIS 3700 Information Technology for Management, 3 units
 - FIN 3220 Business Finance, 3 units
 - MGT 3310 Management Theory and Practice, 3 units
 - MGT 3400 Seminar in International Business, 3 units
 - MGT 4900 Business Policy, 3 units
 - MKT 3410 Principles of Marketing, 3 units
 - OM 3010 Operations Management, 3 units
 - OM 3020 Management Science, 3 units
5. Complete the concentration requirements for the selected track.

All Management students must select one of the following three tracks: Human Resource, International Business, or Strategy/Entrepreneurship.

Human Resource Track

The Human Resource track provides students with opportunities for learning a mixture of courses oriented around a general theme of interpersonal relations and dynamics of organizing to achieve common goals. This includes teamwork, working effectively with others, and interacting productively with an increasingly diverse body of co-workers. This track will emphasize courses in organizational behavior, human resource management, small business management, and communication skills. Many of these courses include “involved student learning,” in which students are asked to take an active role in the classroom in various activities and exercises.

Requirements (15 units)

1. Complete the following courses (6 units):
 - MGT 4360 Organizational Behavior, 3 units
 - MGT 4610 Seminar in Human Resource Management, 3 units
2. Complete two of the following courses (6 units):
 - MGT 4000 Organization and Environment, 3 units
 - MGT 4340 Executive Leadership, 3 units
 - MGT 4540 Entrepreneurship and Venture Initiation, 3 units
 - MGT 4560 Seminar in Small Business Management, 3 units
 - MGT 4620 Seminar in Labor Management Relations, 3 units
 - MGT 4950 Selected Topics in Management, 3 units
 - OM 4570 Quality and Productivity Management, 3 units
3. Complete one of the following courses, or as approved by adviser (3 units):
 - COMM 3120 Management Communication, 3 units
 - COMM 4110 Organizational Communication Diagnosis and Design, 3 units
 - COMM 4170 Professional Interviewing, 3 units
 - ECON 4100 Labor Economics, 3 units
 - GEND 4305 Gender Politics at Work, 3 units
 - GEOG 3020 Human Ecology, 3 units
 - PSYC 3310 Introduction to Social Psychology, 3 units
 - PSYC 4820 Group Dynamics: Theory and Application, 3 units
 - SOCL 3310 Social Inequalities (WP), 4 units
 - SOCL 3530 Self and Social Behavior, 3 units

SOCL 4020 Sociology of Small Group Dynamics, 3 units

International Business Track

The International Business Track is designed to provide students with the business competencies and skills essential for careers in international business. Courses will enable students to understand the global business environment, analyze global business opportunities, develop global strategies, and perform global business activities.

Requirements (16-17 units)

1. Complete the following courses (7 units):
 - MGT 4920 Global Competitive Strategy, 3 units
 - MKT 4470 Global Marketing, 4 units
2. Complete two of the following courses (6 units):
 - MGT 4000 Organization and Environment, 3 units
 - MGT 4950 Selected Topics in Management, 3 units
 - FIN 4330 International Finance, 4 units
 - ECON 4415 International Economics, 3 units
 - OM 4590 Global Operations Strategies, 3 units
3. Complete one of the following courses, or as approved by adviser (3-4 units):
 - ANTH 4170 Business, Economics, and Anthropology, 3 units
 - COMM 4160 Intercultural Communication, 3 units
 - ECON 4335 Political Economy (WP), 4 units
 - ECON 4401 Third World Economics, 3 units
 - ECON 4455 U. S. and World Trade, 4 units
 - HIST 3880 Contemporary Africa: 1945 to the Present, 3 units
 - PSCI 3410 Comparative Politics: Latin America, 4 units
 - PSCI 3430 Comparative Politics: Middle East, 3 units
 - PSCI 3470 Comparative Politics: Asia, 3 units

Strategy/Entrepreneurship Track

The Strategy/Entrepreneurship Track provides students with the opportunity to focus on the process of guiding the future direction of their business organizations. Courses are designed to help students make key business decisions, including how to start a business, grow a business, and guide a business in an uncertain and changing business environment.

Requirements (15-16 units)

1. Complete the following courses (6 units):
 - MGT 4540 Entrepreneurship and Venture Initiation, 3 units
 - MGT 4920 Global Competitive Strategy, 3 units
2. Complete two of the following courses (6 units):
 - MGT 4000 Organization and Environment, 3 units
 - MGT 4340 Executive Leadership, 3 units
 - MGT 4560 Seminar in Small Business Management, 3 units
 - MGT 4950 Selected Topics in Management, 3 units
3. Complete one of the following courses, or as approved by adviser (3-4 units):
 - COMM 4210 Public Relations, 3 units
 - ECON 4331 Managerial Economics, 3 units
 - ECON 4455 The U. S. and World Trade, 4 units
 - FIN 4820 Seminar in Financial Management, 4 units

MKT 4490 Strategic Marketing Management, 4 units
 OM 4570 Quality and Productivity Management, 3 units
 PSCI 4315 Public Policy Making, 3 units
 PSCI 4350 Government, Business, and the Economy, 3 units
 SOCL 4800 Formal Organizations in Modern Society, 3 units

Note: All courses in the management concentration must be completed with a letter grade of C- or better.

Course Descriptions

Upper Division

MGT 3300 Farm Management (3 units)

Economic principles and modern decision-making techniques applied to farm management; organizing the farm operation; managing crop and livestock business enterprises; farm business administration; analysis of production risks. Prerequisites: ACC 2130 or 3140, ECON 2510.

MGT 3310 Management Theory and Practice (3 units)

Introduction to the concepts, issues, and practices of contemporary management. Theory, research, and real world contributions to management are all presented. Emphasis is on the basic functions of management and introduction to behavioral theories, research, and practices. Prerequisite: Junior standing. (Fall, Spring)

MGT 3340 Agricultural Commodity Futures (3 units)

The nature of the commodity futures market and its use in marketing and risk control. Emphasis on hedging ag and related commodities. A computerized trading game gives hands-on experience in hedging and trading. Price fluctuations and their causes are charted. Commodity options and their use in hedging and speculating are included. Prerequisites: ECON 2510 and junior standing.

MGT 3400 Seminar in International Business (3 units)

(Formerly MGT 3020) A comprehensive course covering the international environmental forces and their influence in all of the functional areas of the international firm — finance, management, marketing, personnel, production, the multinational's ethical responsibility to the host countries, balance of payments, foreign exchange risk hedging strategies, and international accounting. Prerequisite: MGT 3310. (Fall, Spring)

MGT 4000 Organization and Environment (3 units)

Examination of the complex relationships among environment, technology, and organizational design, structure, and performance. Attempts to provide an understanding of the organizational characteristics which enable firms to deal effectively with different environments. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310. (Fall, Spring)

MGT 4320 Appraisal of Agriculture Property (3 units)

Principles and procedures utilized in the appraisal of row crop, orchard, livestock, and transitional properties; analysis of soils, irrigation, and other improvements as related to property value; use of market data and income approaches; financial analysis, pricing, acquiring, managing, and marketing an agricultural property investment. Prerequisites: FIN 3220 or concurrent enrollment and junior standing.

MGT 4340 Executive Leadership (3 units)

A definitive study in the function of leadership in the management of business government and not-for-profit organizations, focusing on top management. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310.

MGT 4360 Organizational Behavior (3 units)

The study of individual and group behavior in organizations. Identification and application of behavioral science research methods and theories for the practicing manager. Motivation, interpersonal relations and communications, leadership, and managing change are some of the topics to be covered. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310. (Fall, Spring)

MGT 4380 Public Policy in Agriculture (3 units)

Analysis of public policies affecting the economic position of United States and California agriculture; government programs which influence agricultural production, commodity distribution, market prices, and farm income; topics concerning the American food and fiber system; foreign trade; comparative foreign agricultural policies. Prerequisites: ECON 2500 and junior standing.

MGT 4540 Entrepreneurship and Venture Initiation (3 units)

Study of selected problems involved in starting and operating new business ventures. Prerequisites: FIN 3220 and MGT 3310. (Fall)

MGT 4560 Seminar in Small Business Management (3 units)

Analysis of problems and issues frequently encountered in the management of a small business. Emphasizes the relevant differences in approach between small and large companies, particularly the challenge of managing with very limited resources. Extensive use of the technique of case problem analysis. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310. (Spring)

MGT 4610 Seminar in Human Resource Management (3 units)

Formulation and administration of policies designed to obtain and to maintain the human resources of the organization. Manpower planning, personnel selection and development, performance appraisal, compensation, evaluation of the personnel program. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310. (Fall, Spring)

MGT 4620 Seminar in Labor Management Relations (3 units)

Perspectives on the internal relationship between management and unionized employees. Prerequisite: MGT 3310 or concurrent enrollment in MGT 3310. (Every other year)

MGT 4900 Business Policy (3 units)

Consideration of the business enterprise as a total system in a total environment. Analysis and evaluation of the problems, opportunities, and ethical responsibilities which face the chief executive of a business firm. Emphasis will be on the formulation and implementation of various strategies. Extensive use of the technique of case problem analysis. Prerequisites: Completion of all other courses in the business administration core and satisfaction of CSU Stanislaus writing competency requirement, BUS 3100. (OM 3010, OM 3020, and CIS 2700 may be taken concurrently.) (Fall, Spring, Summer)

MGT 4910 Cooperative Education in Management (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment in management. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental approval. Prerequisites: Sophomore standing; consent of departmental coordinator prior to registration.

MGT 4920 Global Competitive Strategy (3 units)

Focus on a new philosophy of strategy in a global context to address critical issues such as cost/quality, timing/learning, strongholds, deep pockets, and alliance/network. Prerequisite: MGT 3310.

MGT 4930 Strategies and Planning in Agriculture (3 units)

Consideration of the agribusiness enterprise as a whole system in a total agribusiness environment. Analysis and evaluation of special opportunities, threats, strengths, and weaknesses that face the CEOs of agribusiness firms. Emphasis on how to formulate and implement appropriate strategies in the context of increasing globalization and advance technologies. Extensive use of the method of case study. Prerequisite: MGT 3310.

MGT 4940 Internship (3 units)

Supervised field experience in a selected area of management. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

MGT 4950 Selected Topics in Management (1-4 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

MGT 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

Concentration in Marketing

Professors: Gnepa, Petrosky, Williams

Assistant Professor: Chronis

Office: Demergasso-Bava Hall 223

Phone: (209) 667-3507

Marketing focuses on creating value in the exchange relationship between the firm and the markets it serves. As such, marketing plays a pivotal role in connecting customers and stakeholders to a business and in building long-term relationships with these individuals or groups. Accordingly, marketers plan, implement, and control specific strategies and tactics that will meet their customers' ongoing needs and wants. That is, marketing matches the chosen customer or group with the right product, at the right price, at the right time and place, and with the right communications.

Fundamentally, marketers must be able to see and understand the world from their customers' perspective. This requires specific marketing activities including the measurement and interpretation of market forces, cultivation of market opportunities, development of products and/or services to match those opportunities, marketing communications, advertising, sales promotion, public relations, personal selling, sales management, direct marketing, and e-marketing. Marketing also requires conscious choice regarding social responsibility and corporate ethics.

Marketing provides exciting career opportunities for personal growth, creativity, variety, and income in the dynamic and ever-changing business environment. The "American Almanac of Jobs and Salaries" ranks the median income of marketers among the top 10 in a list of 125 professions. Professional careers in marketing are to be found in the marketing departments of industrial firms and merchandising firms.

In addition, there is demand for marketing professionals in specialized organizations such as advertising agencies, marketing research agencies, service firms, transportation and distribution companies, global companies, not-for-profit organizations, and Internet companies. As an academic and scientific field, marketing also provides the opportunity for advanced degrees such as master's and Ph.D.

Requirements

1. Complete University General Education requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - BLW 2060 Law, Environment, and Ethics, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units

3. Complete BUS 3100 Business and Technical Writing Communication (WP) (English proficiency requirement), 3 units.
4. Complete 24 units of coursework in the business administration core with a letter grade of C– or better in each course:
 CIS 3700 Information Technology for Management, 3 units
 FIN 3220 Business Finance, 3 units
 MGT 3310 Management Theory and Practice, 3 units
 MGT 3400 Seminar in International Business, 3 units
 MGT 4900 Business Policy, 3 units
 MKT 3410 Principles of Marketing, 3 units
 OM 3010 Operations Management, 3 units
 OM 3020 Management Science, 3 units
5. Complete the concentration.

The Concentration (16 units)

1. Complete the following required courses (12 units):
 MKT 4400 Consumer Behavior, 4 units
 MKT 4420/4422 Marketing Research, 4 units
 MKT 4490 Strategic Marketing Management, 4 units
2. Complete one of the following Marketing electives as approved by the major adviser (4 units):
 MKT 4410/4412 Advertising and Promotion Management, 4 units
 MKT 4430 Selling and Sales Management, 4 units
 MKT 4450 Channel Institutions and Retail Management, 4 units
 MKT 4470/4472 Global Marketing, 4 units
 MKT 4480 Product and Price Management, 4 units
 MKT 4950 Special Topics in Marketing, 4 units

Note: All courses in the marketing concentration including the business administration prerequisites and core must be completed with a letter grade of C– or better.

Course Descriptions

Upper Division

MKT 3350 Agriculture Marketing (3 units)

Introduction to the fundamental issues of marketing's role and function in the agricultural system. Prerequisite: Junior standing.

MKT 3410 Principles of Marketing (3 units)

(Formerly Basic Marketing) Marketing process with emphasis on the management point of view. Consideration is given to the role played by marketing in the economy, dynamics of consumer motivation and behavior, and problems including ethical considerations confronted by the business firm establishing an overall marketing program. Prerequisites: Junior standing, ACC 2130 and ECON 2510 (ACC 2130 may be taken concurrently).

MKT 4400 Consumer Behavior (4 units)

(Formerly Seminar in Consumer and Organizational Buyer Behavior) Examination of consumer and organizational markets and behavior. Topics include consumer decision process, industrial marketing process, internal and external buyer influences, target markets and segmentation, industrial and consumer marketing mix, and consumer and organizational strategies. Prerequisite: MKT 3410. (Spring)

MKT 4410 Advertising and Promotion Management (4 units)

Fundamentals of developing an integrated marketing communication program including advertising and sales promotions, personal selling, public relations, and publicity decisions from a managerial perspective. Emphasis on formulating advertising and promotional objectives, developing message and media strategies, planning the advertising budget, and measuring performance. Corequisite: MKT 4412. Prerequisite: MKT 3410. (Lecture, 3 hours; laboratory, 2 hours)

MKT 4420 Marketing Research (4 units)

Focus on the collection and analysis of secondary, primary qualitative, and primary quantitative marketing data and its incorporation into the marketing process. MKT 4422, a one-unit lab, emphasizes method, practice, and computer-aided analysis. Corequisite: MKT 4422 (Lab). Prerequisites: MKT 3410 and MATH 1610. (Lecture, 3 hours; laboratory, 2 hours) (Fall)

MKT 4430 Selling and Sales Management (4 units)

(Formerly Seminar in Sales Management and Personal Selling) Planning, direction, and control of sales personnel and selling activities. The role of personal selling in the marketing of consumer and industrial products and services. Analysis of successful sales opportunities, characteristics, and techniques. Includes practices in sales presentation. Prerequisite: MKT 3410.

MKT 4450 Channel Institutions and Retail Management (4 units)

(Formerly Channel Management and Logistics) Focus on the role of marketing in the management of channel activities and product flows. Emphasizes management of purchasing, retailing, wholesaling, and physical distribution functions. Prerequisite: MKT 3410.

MKT 4470 Global Marketing (4 units)

(Formerly International Marketing) Basics of conducting marketing operations outside of the domestic market. Methodologies for estimating foreign market potential, and market entry strategy design. Issues involving the management and control of the marketing mix variables after foreign market entry are examined. Export readiness simulation, experiential exercises, and international marketing plan. Corequisite: MKT 4472 (Lab). Prerequisites: MGT 3400 and MKT 3410. (MGT 3400 may be taken concurrently) (Lecture, 3 hours; laboratory, 2 hours)

MKT 4480 Product and Price Management (4 units)

(Formerly Seminar in Product and Price Management) Examination of product and price strategies in marketing. Topics include finding and creating product value, planning for new and established products, value in pricing, pricing for profit, life cycle pricing, and competitive cost and product advantages. Prerequisite: MKT 3410.

MKT 4490 Strategic Marketing Management (4 units)

(Formerly Seminar in Strategic Marketing Management) Examination of the strategic and managerial role of the marketing manager in fostering a market driven orientation and in orchestrating the pursuit of a sustainable competitive advantage in chosen markets. Prerequisite: MKT 3410.

MKT 4940 Marketing Internship (3 units)

(Formerly Internship) Supervised field experience in a selected area of marketing. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

MKT 4950 Special Topics in Marketing (1-4 units)

(Formerly Selected Topics in Marketing) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

MKT 4980 Independent Study in Marketing (1-4 units)

(Formerly Individual Study) For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

Concentration in Operations Management

Professors: Aly, Khade, Murti

Office: Demergasso-Bava Hall 223
Phone: (209) 667-3507

Majoring in Operations Management provides exciting, rewarding, and challenging career opportunities in a wide variety of organizations. Businesses are increasingly placing a stronger emphasis on Lean Manufacturing, and Supply Chain Management, resulting in an increased demand for OM graduates, as well as higher starting salaries.

Requirements

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites (21 units) to the business administration degree with a letter grade of C– or better in each course:
 - ACC 2110 Financial Accounting, 3 units
 - ACC 2130 Managerial Accounting, 3 units
 - BLW 2060 Law, Environment, and Ethics, 3 units
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
3. Complete BUS 3100 Business and Technical Writing Communication (WP) (Writing Proficiency requirement), 3 units.

4. Complete 24 units of coursework in the business administration core with a letter grade of C– or better in each course:
 - CIS 3700 Information Technology for Management, 3 units
 - FIN 3220 Business Finance, 3 units
 - MGT 3310 Management Theory and Practice, 3 units
 - MGT 3400 Seminar in International Business, 3 units
 - MGT 4900 Business Policy, 3 units
 - MKT 3410 Principles of Marketing, 3 units
 - OM 3010 Operations Management, 3 units
 - OM 3020 Management Science, 3 units
5. Complete the concentration.

The Concentration (15-16 units)

1. Complete the following courses (12 units):
 - OM 4530 Materials and Inventory Management, 3 units
 - OM 4570 Quality and Productivity Management, 3 units
 - OM 4580 Supply Chain Management, 3 units
 - OM 4600 Lean Operations Strategies, 3 units
2. Complete one of the following courses as approved by the major adviser (3-4 units):
 - CIS 4750 Decision Support Systems, 3 units
 - COMM 3110 Organizational Communication, 3 units
 - MGT 4340 Executive Leadership, 3 units
 - MGT 4620 Seminar in Labor Management Relations
 - MKT 4450 Channel Institutions and Retail Management, 4 units
 - OM 4560 Management of Technology, 3 units
 - OM 4590 Global Operations Strategies, 3 units
 - OM 4890 Business Forecasting and Planning, 3 units

Note: All courses in the Operations Management concentration, including the Business Administration prerequisites and core, must be completed with a letter grade of C– or better.

Course Descriptions**Upper Division****OM 3010 Operations Management (3 units)**

(Formerly POM 3510) Management of production and operations in manufacturing and service enterprises, including product design, process selection, location and layout of the facility, control of quality and productivity, and production planning. Emphasis is on modern operations management techniques. Prerequisite: Junior standing. (Field trips) (Fall, Spring)

OM 3020 Management Science (3 units)

(Formerly POM 3000) Use of management science techniques to analyze and solve business problems; topics include linear programming, decision analysis, network models, project management, forecasting, inventory and queuing analysis. Computer applications in management science also will be included. Corequisite: OM 3022 (Lab). Prerequisites: Computer literacy (such as CIS 2000), junior standing, MATH 1500 and 1610, or concurrent enrollment in MATH 1500 and 1610. (Lecture, 2 hours; computer lab, 2 hours) (Fall, Spring, Summer)

OM 4530 Materials and Inventory Management (3 units)

The design and operation of integrated production and inventory control systems. Detailed and aggregate scheduling of operations under deterministic and probabilistic demand conditions. Prerequisite: OM 3010 or concurrent enrollment in OM 3010. (Fall)

OM 4560 Management of Technology (3 units)

Course provides basic concepts and issues involved in technological strategy of an organization. Emphasis is placed on analysis of technological development and management of technology and innovation to gain and sustain competitive advantage in the marketplace. Prerequisites: Completion of or concurrent enrollment in OM 3010 and MGT 3310. (Fall)

OM 4570 Quality and Productivity Management (3 units)

(Formerly Quality Management) Establishing and managing a company-wide quality and productivity program. Emphasis is placed on quality assurance, continuous process improvement, problem-solving techniques, statistical process control, and productivity management. Prerequisite: OM 3010 or concurrent enrollment in OM 3010. (Fall)

OM 4580 Supply Chain Management (3 units)

Course introduces basic concepts of how supply chain management influences all areas of the firm. Explores how managers can improve the firms' competitive position by employing latest practices and techniques of supply chain management in the global marketplace. Prerequisites: completion of or concurrent enrollment in OM 3010 and MGT 3310.

OM 4590 Global Operations Strategies (3 units)

(Formerly World Class Operations Strategies) Applications of contemporary global operations management concepts and strategies in manufacturing as well as service operations. The instruction emphasizes the case method. Prerequisite: OM 3010 or concurrent enrollment in OM 3010.

OM 4600 Lean Operations Strategies (3 units)

Understanding the tools and procedures of Lean Systems, as well as their applications in manufacturing and service operations. This course also emphasizes plant tours, cases, and analysis of operations in regional companies. Prerequisite: OM 3010 or concurrent enrollment in OM 3010.

OM 4890 Business Forecasting and Planning (3 units)

Developing strategic plans with emphasis on product-market relationships and business forecasting techniques. Goal setting, objective specification, environmental definition and assessment, analysis and evaluation of the competitive situation, formulation of plans. Prerequisite: OM 3020. (Fall)

OM 4910 Cooperative Education in Production, Operations, and Management (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment in production, operations and management. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental approval. Prerequisites: Sophomore standing and consent of departmental coordinator prior to registration. (Fall, Spring)

OM 4940 Internship (3 units)

Supervised field experience in a selected area of production and operations management. Formal written report(s) will be required. May be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

OM 4950 Selected Topics in Operations Management (1-4 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: Consent of instructor.

OM 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Consent of instructor and approval of department chair prior to registration.

Master of Business Administration

The Master of Business Administration program provides study in advanced concepts of business, industry, and government operations. This program is designed for the active manager or technical supervisor as well as the recent graduate who is interested in advanced study in the field of business. The program includes accounting, finance, operations management, marketing, economics, management, and computer information systems. Please consult the Graduate Catalog.

Executive Master of Business Administration

The Executive Master of Business Administration (EMBA) is a specialized degree program that provides study in leadership and management skills for persons in middle to upper-management positions. It is intended for managers and professionals who work in private corporations, non-profit organizations, the public sector, and small businesses who wish to expand their leadership skills and enhance their careers. The EMBA is a lockstep cohort program that is delivered in eight-week sessions. The program is completed within two years or less. Please consult the Graduate catalog.

Master of Science in Business Administration, Finance: International Finance

The Master of Science in Business Administration, Finance: International Finance program provides study in advanced concepts of international finance. This program is designed for corporate managers of international finance as well as the recent graduates who are interested in advanced study in the field of international finance. This is a one-year, full-time, lock-step, cohort program. The fall semester is taught on the campus of CSU Stanislaus. The spring semester is taught on the campus of Cergy-Pontoise University in France. Please consult the Graduate Catalog.

The College of Business Administration Mission

The CSU Stanislaus College of Business Administration is a publicly supported, regional teaching institution. Our mission is to deliver a professional business education that offers our students the knowledge and skills to succeed in their careers and in society.

Publicly supported institution We strive to offer our students an accessible, moderately priced, professional education that empowers people of all ages and backgrounds to transform their lives. Accordingly, we seek to maintain an environment dedicated to educating a diverse, multicultural student population. We provide our faculty and staff with resources and a supportive environment focused on accomplishing our mission including the pursuit of relevant professional development. To our regional community we represent a recognized talent pool of faculty and student resources.

Regional institution We offer programs that add value primarily to our six-county service area.

Teaching institution We are dedicated to providing an educational environment focused on learning. We enrich our teaching and lifelong learning through applied and pedagogical research.

Professional business education We offer both an undergraduate business program and a small MBA degree program. We seek to assure overall quality, relevance, and convenience in the creation and continual improvement of our professional business programs.

Knowledge and skills to succeed We provide our students with the knowledge and skills to formulate, evaluate, and select appropriate courses of action that will prove successful in the workplace. We also seek to foster in our students a sense of social responsibility.

The College of Business Administration Vision

To be a premier learning-centered College of Business Administration in California's Central Valley that develops graduates who have the knowledge and skills to perform well and is recognized for academic excellence, innovation, use of technology, scholarship, and continuous improvement.

Statement of Faculty Values

- We value excellence and continuous improvement.
- We value our students' success both in the classroom and in future endeavors.
- We value honesty, integrity, ethical behavior, and social responsibility.
- We value intellectual contributions, particularly, applied scholarship and pedagogical research.
- We value a learning and work environment that is collegial and committed to mutual respect.
- We value the diversity of insights, perspectives and contributions from an academic community comprised of members from various backgrounds.
- We value leadership that is responsive to our stakeholders.
- We value quality teaching by learned, inspired, and professional scholars, who also serve as mentors to their students.



AACSB Business Accreditation

The College of Business Administration is fully accredited by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB International accreditation represents the highest standard of achievement for business schools worldwide. It is the hallmark of excellence in management and business administration education.

Organized in 1916, AACSB International is considered the premier accrediting organization for undergraduate and graduate degree programs in business administration. Universities that earn AACSB accreditation confirm their commitment to quality and continuous improvement through a rigorous and comprehensive peer review. About a third of the nation's postsecondary business programs have achieved accreditation.

AACSB accreditation assures students and graduates that their business programs have completed rigorous evaluation and peer review and that the college mission and goals have been achieved through qualified faculty, relevant curriculum, adequate learning resources, and effective policies and practices. Employers view AACSB International accreditation as a sign that a prospective employee has received a high quality business education. Communities view AACSB International accreditation as an indication of the availability of a highly qualified managerial workforce in their region.

This AACSB accreditation honor is one more indication of excellence in undergraduate and graduate business education at California State University, Stanislaus.

College of Education

Carl Brown, Ph.D., *Dean*

J. Sue Fletcher, Ed.D., *Chair, Department of Physical Education and Health*

Dawn Poole, Ph.D., *Chair, Department of Advanced Studies in Education*

Nancy Jean Smith, Ed.D., *Chair, Department of Teacher Education*

Kathy Shipley, MA, *Chair, Department of Liberal Studies*

Mary Borba, Ed.D., *Coordinator, Multiple Subject Credential*

Christopher Roe, Ed.D., *Coordinator, Multiple Subject Credential, Stockton Center*

Juan Flores, Ed.D., *Coordinator, Multiple Subject Bilingual Credential, BCLAD Certificate, and CLAD/CTEL Certificate*

Karen Sniezek, Ph.D., *Coordinator, Education Specialist: Mild/Moderate Disabilities and Moderate/Severe Disabilities Credentials*

Karen Breshears, M.A., and Robin Hennings, M.A., *Coordinators, Single Subject Credential and Single Subject Bilingual Credential*

Alice Fuentes, B.A., *Director of Credentials Processing*

Susan Neufeld, Ph.D., *Coordinator, Reading/Language Arts Specialist Credential*

Chet Jensen, Ed.D., *Coordinator, Administrative Services Credentials*

Connie Kane, Ph.D., *Coordinator, Pupil Personnel Services Credential*

Office: Demergasso-Bava Hall — DBH 301

Phone: (209) 667-3652

The College of Education has as its mission the professional preparation of teachers and school service professionals. Specifically, the College prepares elementary, middle, and secondary-level teachers and school administrators, counselors, reading/language arts specialists, instructional technologists, special educators, and physical and health educators. Faculty are committed to meeting the rightful expectation of the public regarding the education of effective and dedicated educators who exhibit competence, reflection, and a professional passion manifested in their advocacy for children and their communities.

The College offers both initial and advanced credential and certificate programs that are approved by the California Commission on Teacher Credentialing (CCTC).



Credential Processing Center

Alice S. Fuentes, B.A., *Director*

Sheri Biasca and Cristina Ponce, *Credential Analysts*

Office: Demergasso-Bava Hall — DBH 303

Phone: (209) 667-3534

The Credential Processing Center (CPC) in the College of Education serves as the campus liaison to the California Commission on Teacher Credentialing (CCTC) and handles education credential matters. The CPC disseminates credential information, including requirements and regulations, to campus staff, faculty, students, prospective candidates, and the general public. Individuals from out-of-state or out-of-country are advised in the CPC. Credentialed teachers may also obtain up-to-date renewal information at the CPC.

The CPC evaluates applications for the Multiple Subject, Single Subject, and Education Specialist credential programs. The CPC verifies Subject Matter Preparation Programs (waiver) for students who will attend another institution to complete their credential program. The CPC evaluates, verifies, and recommends to the Commission all basic multiple, single subject, and education specialist teaching credentials and all professional clear, advanced, and services credentials.

The CCTC has approved the University's programs leading to the credentials listed in the following section. For specific and current information on these credentials, please contact the identified department office.

Department of Teacher Education: (209) 667-3357

- Multiple Subject Credential
- Multiple Subject Bilingual Credential
- Single Subject Credential
- Single Subject Bilingual Credential
- Reading & Language Arts Specialist Credential
- CLAD/CITEL Certificate
- BCLAD Certificate

Department of Advanced Studies in Education: (209) 667-3364

- Education Specialist Credential:
- Mild/Moderate and Moderate/Severe Disabilities
- Administrative Services Credential
- Pupil Personnel Services Credential: School Counseling

Minor in Exceptional Children and Youth

Karen Sniezek, Ph.D., *Program Coordinator*

Office: Demergasso-Bava Hall — DBH 349

Phone: (209) 667-6519

Requirements (21 units)

1. Complete the following required classes (18 units):
 - PSYC 2010 Introduction to Psychology, 3 units
 - PSYC/CDEV 3140 Human Development I: Childhood, 3 units
 - EDSE 4310 Introduction to Special Education Programs, 3 units*
 - EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units*
 - COMM 4800 First and Second Language Acquisition, 3 units **or**
 - ENGL 4800 Second Language Acquisition, 3 units
 - EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units **or**
 - EDSE/PSYC 4560 Theory of Instructional Design, 3 units
- *See *Graduate Catalog*.
2. Select one of the following elective classes to complete the minor (3 units):
 - PSYC 4130 Psychological Disorders of Children, 3 units
 - PSYC 4150 Learning Disabilities, 3 units
 - EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units

Department of Liberal Studies

Kathy Shipley, M.A., *Chair*

Assistant Professor: Davis

Lecturers: Brace, Gonzales, Graybill-Bundgard, Kerr, Shipley

Office: Bizzini Hall 125

Phone: (209) 667-3749

Bachelor of Arts in Liberal Studies

Liberal Studies is a pre-professional Subject Matter Preparation Program leading to enrollment in a Multiple Subject Credential Program (MSCP).

Liberal Studies majors may be admitted to the credential program prior to completing their bachelor degrees. Units in the credential program can be applied as upper-division elective credit toward satisfying the 120-unit requirement for graduation.

Note: Please check with the Department of Liberal Studies for current information. The University will make changes to the program leading to the credential whenever revisions are required by the California Commission on Teacher Credentialing (CCTC).

Coordinating with the Multiple Subject Credential Program

At this time, Liberal Studies is the only major at CSU Stanislaus offering an approved Subject Matter Preparation Program leading to a Multiple Subject Credential Program (MSCP). Students who do not complete the Liberal Studies major will be required to take and pass the CSET for entry into the MSCP. Liberal Studies majors who enter the MSCP without the California Subject Examination for Teachers: Multiple Subjects (CSET) must pass CSET as a condition of advancement to student teaching.

Currently, admission to the CSU Stanislaus MSCP requires either a 2.67 overall grade point average or a 2.75 grade point average in the last 60 units. Additional details and information pertaining to entrance into the credential program is available in the College of Education section of the Graduate catalog, and at the Teacher Education Department office. Students should consult with the MSCP Coordinator for changes in the precise requirements for admission to the credential program.

Bachelor of Arts in Liberal Studies

Students who entered under the 2002-2003 catalog or later must complete the curriculum listed below. It differs from that found in catalogs of previous years.

Requirements

1. General Education

Complete the General Education Breadth Requirements (GE) for the Bachelor of Arts degree (51 units minimum) and a minimum of 120 semester units for graduation. Grades of a C-, credit, or better are required.

2. Subject Matter Preparation Program Requirements

The California Commission on Teacher Credentialing requires Liberal Studies majors to complete an approved course in each of the following subjects with a grade of C-, credit, or better. Requirements may be met in GE, in the major, or in additional coursework. Review the Liberal Studies Advising and Articulation Guides for approved courses. Guides are available in the Department and on the Department website.

Subject Matter Requirements include:

- Oral Communication
- Composition
- Critical Thinking
- Introduction to Earth Science (including Astronomy)
- Chemistry
- Physics
- Physical Science Lab
- Biological Science
- Biological Science Lab
- MATH 1030
- MATH 1040
- Art
- Music
- Theatre

- Two activity, performance, or studio courses in two different disciplines (Art, Music, Theatre)
 - Children's Literature
 - Philosophy or Humanities Survey
 - US History (Exploration through 1877)
 - American Government
 - World History (Ancient and Medieval)
 - Geography
 - California History
 - Computer Science
3. **Pre/co-requisites to the Major** (9 units):
 LIBS 1000/1004 Beginning Field Experience, 3 units **or**
 LIBS 1010/1014 Beginning Field Experience Examination, 3 units
 LIBS 2000/2004 Intermediate Field Experience, 3 units **or**
 LIBS 2010/2014 Intermediate Experience Examination, 3 units
 Human Development, 3 units
 NURS 1040 Human Development Over the Life Span, 3 units **or**
 PSYC/CDEV 3140 Human Development I: Childhood, 3 units

The Major (28 units excluding concentration)

Major and concentration courses require letter grades of C- or better.

1. Development and Assessment

Complete all of the following required courses:

- LIBS 3000 Community and Diversity (WP), 4 units
- PHED 3400 Elementary Physical Education, 3 units
- LIBS 4960 Senior Seminar, 3 units

2. Second Language Acquisition (3 units)

Complete one of the following:

- ENGL 4800 Second Language Acquisition, 3 units, **or**
- COMM 4800 First and Second Language Acquisition, 3 units
 (Credit will not be given for both ENGL 4800 and COMM 4800 in the LIBS Major.)

3. Multicultural Perspectives (3 units)

Complete one of the following required courses:

- COMM 4160 Intercultural Communication, 3 units
- ENGL 3940 Multicultural American Literature, 3 units
- ETHS 4200 The Minority Experience, 3 units
- GEND 4100 Gender and Education, 3 units
- ETHS/GEND 4350 Multiculturalism: From Bias to Reality, 3 units
- HIST 3720 United States Ethnic and Immigrant Past, 3 units
- PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
- SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units
- SOCL 4010 Race and Ethnic Relations, 3 units

4. Integrative Inquiry (12 units)

Complete one inquiry course in each of these subject matter areas:

Area A: Social Inquiry (3 units)

- ANTH 3020 Travelers in Time: Perspectives of the Past on the Present, 3 units
- CDEV 3030 Cognitive Development in School Settings, 3 units
- CJ 3800 Crime Prevention and Schools, 3 units

ECON 4700 Contemporary Economic Issues, 3 units
 ECON 4750 The California Economy, 3 units
 ETHS 4040 Minority Family, Communities, and Schools, 3 units
 ETHS 4250 California Ethnic Experience, 3 units
 GEOG 3350 Geography of the Great Central Valley, 3 units
 HIST 4010 Practicing Public History, 3 units
 HIST 4720 Modern Atlantic Slavery, 3 units
 SOCL 3700 Sociology of Education, 3 units

Area B: Scientific/Mathematical Inquiry (3 units)

BIOL 4020 Biology for Decision Making, 3 units
 BIOL 4610 Elements of Environmental Science, 3 units
 CHEM 3090 Chemistry in the Elementary School Classroom, 3 units
 GEOL 3650 Geohazards: The Geological Science of Natural Disasters,
 3 units
 MATH 3040 Insights from Mathematics, 3 units
 PHYS 3200 Heat, Light, and Sound, 3 units

Area C: Humanistic Inquiry (3 units)

COMM 3400 Oral Interpretation of Children's Literature, 3 units
 COMM 4020 Communication in the Classroom, 3 units
 ENGL 3009 Writing for Teachers (WP), 3 units
 PHIL 3700 Concepts of Race and Identity in Philosophical Perspective,
 3 units
 PHIL 3750 Concepts of Home in Philosophical Perspective, 3 units
 PHIL 3850 Information and Community, 3 units
 PHIL 4420 Philosophy and Education, 3 units
 PHIL 4800 Nature Revisited: Environmental Issues on Philosophical
 Perspective, 3 units

Area D: Artistic Inquiry (3 units)

ART 3030 Intermediate Drawing, 3 units
 ART 3820 A Visual Approach to Learning and Teaching, 3 units
 ART 3830 Visual Art and Ecology, 3 units
 ART 3840 The Missions of California, 3 units
 ART 3841 Universal Concepts in Art, 3 units
 ART 3842 Children's Art and Modernism, 3 units
 ART 4870 World Crafts, 3 units
 MUS 3341 Music for the Classroom Teacher, 3 units
 MUS 3420 Music and the Arts, 3 units
 THEA 4020 Performance for Children, 4 units

5. **Concentration** (18-22 units)

A concentration is required. Twelve of the 18-22 units must be upper-division and approved by a concentration adviser. While concentration units may cross count with lower-division General Education and the Liberal Studies major, no concentration units may cross count with upper-division General Education. Twelve units may not cross count with lower-division General Education or major courses. Concentration courses require letter grades of C- or better.

Approved Concentrations:

Anthropology	English
Applied Philosophy	Ethnic Studies
Art	Exceptional Children and Youth

Bilingual/Crosscultural: Southeast Asian	Geography
Bilingual/Crosscultural: Spanish	History
Biological Sciences	Mathematics
Chemistry	Music
Child Development	Physical Education
Civics	Physics and Physical Sciences
Communication Studies	Sociology
Earth Sciences	Spanish
Economics	Teaching English to Speakers of Other Languages (TESOL)
	Theatre

Concentration curriculum follows the Liberal Studies course descriptions. A list of Liberal Studies Concentration Advisers is available in the Liberal Studies Department and on the Department website: www.csustan.edu/Liberal_Studies

Learning Objectives

Liberal Studies graduates:

- Make explicit connections between California K-8 Content Standards and Subject Matter knowledge in Liberal Studies major coursework.
- Demonstrate integrative thinking through the development of projects that connect and integrate discipline knowledge across subject matter areas.
- Demonstrate integrative thinking through the development of projects that connect and integrate discipline knowledge across subject matter areas.
- Demonstrate sensitivity to the diverse cultural, linguistic, and learning abilities of students, and understanding of a variety of teaching strategies to effectively teach all learners.
- Demonstrate effective oral, written, and interpersonal communication skills in a variety of communication contexts.
- Demonstrate critical thinking in analysis and evaluation of research topics relevant to teaching and learning in California public schools.
- Demonstrate educational technologies relevant to teaching and learning.

Course Descriptions**Lower Division****LIBS 1000 Beginning Field Experience (3 units)**

Introduction to the Liberal Studies major, the credential program, and the teaching profession. Course requirements include 30 hours of tutoring in an elementary school setting. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to insure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Corequisite: LIBS 1004.

LIBS 1010 Beginning Field Experience Examination (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

LIBS 2000 Intermediate Field Experience (3 units)

Students observe K-8 classroom environments and analyze observations in discussions and writing, noting student characteristics, teaching styles, and classroom management techniques. This observation-based analysis increases awareness and teaching effectiveness. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to insure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Corequisite: LIBS 2004. Prerequisite: LIBS 1000

LIBS 2010 Intermediate Field Experience Examination (3 units)

Open to Liberal Studies majors with proof of current paid or unpaid placements in K-8 public school classrooms with 25% or more language diversity. Students with such placements may fulfill the Liberal Studies major prerequisite, Intermediate Field Experience, without university classroom participation. Students complete observation logs, assigned papers, personal graduation plan, and portfolio assignments on their own without direct instruction. The Liberal Studies Department provides a syllabus, but no other instruction or support for this class. Corequisite: LIBS 2014. Prerequisite: Consent of instructor.

LIBS 2500 Liberal Studies Portfolio Workshop (1 unit)

Course for Liberal Studies majors seeking guidance in the development of their required personal portfolios. Focus on subject matter competency, California K-8 Content Standards, Service Learning tutoring and observations in K-6 classrooms, technology, diversity, integrated learning, California Teacher Performance Expectations, individual education plans, and development as a professional educator. May be repeated for a total of 2 units. May be taken concurrently with LIBS 3000.

Upper Division**LIBS 3000 Community and Diversity (WP) (4 units)**

Introduction to the Liberal Studies major and the University. Focus is on multiculturalism and diversity, including perspectives on cultural/linguistic differences, gender roles, and the differently abled. Course requirements include 30 hours of classroom observation. Fingerprint clearance from Public Safety office on campus and tuberculosis clearance must be completed before the first week of the semester to insure timely placement for field experience. Placements may be limited or unavailable for students with felony convictions. Satisfies upper division writing proficiency requirement. Prerequisite: Completion of Writing Proficiency Screening Test with a passing score. Open only to Liberal Studies majors.

LIBS 4910 Cooperative Education (2-4 units)

Provides an opportunity for Liberal Studies students to acquire experience as research or instruction assistants or community project volunteers, under the supervision of a Liberal Studies coordinator. May be repeated for a total of 8 units. Prerequisites: Sophomore standing and consent of instructor.

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. Corequisite: LIBS 4923. Prerequisites: Sophomore standing and consent of instructor.

LIBS 4930 Liberal Studies Peer Advising (2 units)

Exploration of the elements of effective communication with individuals of diverse backgrounds. Students will learn and practice effective verbal and non-verbal communication and active listening while exploring university policies, expectations, regulations, general education and liberal studies program requirements. May be repeated for a total of 8 units. Corequisite: LIBS 4933. Prerequisites: Sophomore standing and consent of instructor.

LIBS 4940 Liberal Studies Internship (2-4 units)

Provides the Liberal Studies students the opportunity to apply, integrate, and explore educational experiences as interns in public or private settings. Participation in regularly scheduled meetings with department coordinator and completion of internship packets are required. May be repeated for a total of 8 units. Prerequisites: Upper-division standing and consent of department coordinator.

LIBS 4945 Liberal Studies Peer Advising Internship (2-4 units)

Provides opportunities for Liberal Studies majors to acquire supervised peer experiences in on-and off-campus settings. Participation in regularly scheduled meetings and written assignments required.

LIBS 4960 Senior Seminar (3 units)

A summative assessment course in which students reflect on the nature and extent of their liberal arts education and defend their subject matter competence. Students are required to demonstrate their abilities to integrate studies across disciplines and their competencies within those disciplines. This course is intended for the final semester of the Liberal Studies major. Prerequisite: Successful completion of LIBS 3000.

LIBS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. Designed to supplement regular course offerings. May be repeated for a total of six units. Prerequisite: Consent of instructor.

Liberal Studies Concentration in Anthropology

Requirements (21 units)

1. Complete ANTH 2060 Introduction to Cultural Anthropology, 3 units
2. Complete one of the following (3 units):
 ANTH 2080 Introduction to Physical Anthropology, 3 units **or**
 ANTH 2090 Introduction to Archaeology, 3 units
3. Complete ANTH 3020 Travelers in Time: Perspectives of the Past on the Present (Integrative Inquiry Course, 3 units)
4. Complete three of the following courses (9 units):
 ANTH 3070 Peoples and Cultures of Africa, 3 units
 ANTH 3105 Peoples and Cultures of the Pacific, 3 units
 ANTH 3106 Peoples and Cultures of Asia, 3 units
 ANTH 3301 Native Americans of Canada and the U.S., 3 units
 ANTH 3320 Native Peoples of Latin America, 3 units
 ANTH 3555 Aztecs, Mayas, and Predecessors, 3 units
 ANTH 3600 Method and Theory in Archeology, 3 units
 ANTH 3750 Human Evolution, 3 units
 ANTH 3760 Primates Past and Present, 3 units
 ANTH 3780 Primate Social Behavior, 3 units
5. Complete one of the following courses (3-5 units):
 ANTH 4150 Anthropology of Religion, 4 units
 ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
 ANTH 4200 Applied Anthropology and Social Change, 4 units
 ANTH 4210 Ethnomedical Anthropology, 3 units
 ANTH 4211 The World in Change, 3 units
 ANTH 4221 Folk Literature and Arts (VWP), 3 units
 ANTH 4250 The Ethnoecology of Southeast Asia, 4 units
 ANTH 4321 Historical Archaeology, 5 units
 ANTH 4605 Archaeological Field Methods, 5 units

Liberal Studies Concentration in Applied Philosophy

This program is designed for Liberal Studies students who want to encourage critical thinking and philosophical inquiry in the elementary school classroom. Students in this concentration learn to apply philosophical inquiry to the study and analysis of philosophical texts and arguments. Students in this concentration also develop skills of ethical analysis and value inquiry, and learn to apply physiological thinking and humanistic inquiry to socially relevant issues concerning “self” and “context” with special emphasis on aspects relevant to the elementary classroom.

Most importantly, “applied philosophy” students are encouraged to learn effective ways of bringing philosophical curiosity and critical thinking to life in elementary classroom setting. Students in our program also learn how to develop methods of philosophical inquiry tailored to the receptive capacities of their audience. The skills, knowledge, and practices of applied philosophical inquiry help to enrich the teaching and learning environment of elementary school classrooms.

Requirements (21 units)

1. Complete 15 upper-division units in Philosophy and at least 21 units total from the categories listed below.

Note: Only 9 of these units can be used to fulfill Liberal Studies BA or lower-division General Education breadth requirements.

Choose one course from each of the following two clusters (6 units):

2. Critical Thinking (choose one):
 PHIL 2000 Philosophical Inquiry, 3 units
 PHIL 2100 Logic, 3 units
3. History and Methods (choose one):
 PHIL 1010 Introduction to Philosophy, 3 units
 PHIL 2200 Ancient Philosophy, 3 units
 PHIL 2230 Modern Philosophy, 3 units
 PHIL 2700 Introduction to Political Philosophy, 3 units
 PHIL 3010 Classics of Western Philosophy, 3 units

Choose the remaining courses from the following two clusters

(15 units):

Note: At least two of these courses must satisfy the LIBS “Integrative Inquiry” requirement for Liberal Studies majors. LIBS options include: PHIL 3700, 3750, 3850, 4420, or 4800.

4. Ethics and Value Inquiry (choose at least two courses):
 PHIL 2400 Contemporary Moral Issues, 3 units
 PHIL 2500 Philosophy and Film, 3 units
 PHIL 3050 Existentialism, 3 units
 PHIL 3400 Ethics (VWP), 3 units
 PHIL 4401 Professional Ethics, 3 units
 PHIL 4420 Philosophy and Education, 3 units, LIBS Integrative Inquiry
 PHIL 4450 Eastern Philosophy: Concepts, Methods, and Context, 3 units
 PHIL 4500 Philosophy of Art (VWP), 3 units
5. Self and Context (choose at least two courses):
 PHIL 3700 Concepts of Race and Identity in Philosophical Perspective, 3 units, LIBS Integrative Inquiry
 PHIL 3750 Concepts of Home in Philosophical Perspective, 3 units, LIBS Integrative Inquiry
 PHIL 3850 Information and Community, 3 units, LIBS Integrative Inquiry
 PHIL 4000 Philosophy Through Literature, 3 units
 PHIL 4600 Philosophy and Feminism, 3 units
 PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units, LIBS Integrative Inquiry
 PHIL 4980 Individual Study, 1-3 units

Liberal Studies Concentration in Art**Requirements** (21 units)

- Select two courses (for a total of 6 units) from the following lower-division courses:
 - ART 1010 Foundation Drawing, 3 units
 - ART 1020 Drawing II: Composition, 3 units
 - ART 1030 Foundation Printmaking (Option A), 3 units **or**
 - ART 1035 Foundation Printmaking (Option B), 3 units
 - ART 1040 Foundation Digital Media, 3 units
 - ART 1100 Foundation Painting, 3 units
 - ART 1200 Foundation Sculpture, 3 units
- Select 3-6 units from the following Liberal Studies Artistic Inquiry courses:
 - ART 3030 Intermediate Drawing, 3 units
 - ART 3820 A Visual Approach to Learning and Teaching, 3 units
 - ART 3830 Visual Art and Ecology, 3 units
 - ART 3840 The Missions of California, 3 units
 - ART 3841 Universal Concepts in Art, 3 units
 - ART 3842 Children's Art and Modernism, 3 units
 - ART 4870 World Crafts, 3 units
- Select 9-12 units from the following list of ART electives (upper-division prerequisites are waived for Liberal Studies students).

Drawing:

- ART 3010 Drawing the Human Figure from Memory, 3 units
- ART 3020 Drawing: Original Form, 3 units

Painting:

- ART 3200 Painting from Observation I, 3 units
- ART 3210 Painting from the Unconscious I, 3 units

Printmaking:

- ART 3100 Relief Printmaking, 3 units
- ART 3110 Intaglio, 3 units
- ART 3130 Serigraphy, 4 units

Sculpture:

- ART 3300 Multimedia: Assemblages and Construction, 3 units
- ART 3350 Ceramic Sculpture, 3 units

Time Based Art:

- ART 3600 Still Image, 3 units
- ART 3620 Moving Image-Video and Filmmaking, 3 units
- ART 3700 Computer Art, 3 units

Graphic Arts:

- ART 3530 Illustration, 3 units
- ART 3605 Text and Image, 3 units

Art History:

- ART 4515 Art of the Classical World, 3 units
- ART 4520 Art of the Medieval World, 3 units
- ART 4525 Italian Renaissance Art, 3 units
- ART 4535 Art of the Baroque Age, 3 units
- ART 4540 Early Modern Art, 1800-1870, 3 units
- ART 4555 American Art, 3 units

ART 4560 Pre-Colombian Art, 3 units

ART 4565 African Art, 3 units

**Liberal Studies Concentration in
Bilingual/Crosscultural: Southeast Asian**

The Bilingual/Crosscultural track provides the academic prerequisite for students who are planning to pursue Bilingual/Crosscultural credentials to teach in elementary schools. It is also designed to give graduates the language teaching skills and cultural background to teach English Language Learning (ELL) students.

Requirements (21-22 units)

- Satisfactory completion of Hmong language coursework through HMNG 3020. Students may begin the language courses at whatever level is appropriate. At this time, only Hmong languages through HMNG 3020 are available. When other Southeast Asian language courses through HMNG 3020 are offered, they will become a part of the Southeast Asian Emphasis curriculum. Students who do not need Hmong coursework to prepare for the BCLAD language test requirement may wish to enroll in Ethnic Studies or TESOL (concentrations without an extensive language component) rather than in Bilingual/Crosscultural. Students are required to pass one of the Southeast Asian Language Proficiency Exams (Hmong, Lao, or Cambodian). The test can be taken prior to or upon admittance to the credential program.
- Cultural Component
Complete the following (9 units):
ETHS 2200 Contemporary Asian American Studies, 3 units
ETHS 3100 Asian American Images in Arts and Media, 3 units
ANTH 3106 Peoples and Cultures of Asia, 3 units
- Social Inquiry Course
Complete the following (3 units):
EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People, 3 units,
or
ETHS 4030 Asian American Families, 3 units
- Crosscultural Component
Complete the following (3 units):
ETHS 4200 The Minority Experience, 3 units **or**
EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings, 3 units
- Electives
Complete two courses from the following (6-7 units):
COMM 4800 First and Second Language Acquisition, 3 units **or**
ENGL 4800 Second Language Acquisition, 3 units
ETHS 4940 Field Work in Ethnic Studies (Southeast Asian), 3 units
GEOG 3580 Culture Ecology of Southeast Asian Peoples, 4 units

Liberal Studies Concentration in Bilingual/Crosscultural: Spanish

The Bilingual/Crosscultural: Spanish concentration provides the knowledge base for students who are planning to pursue bilingual/crosscultural credentials to teach in elementary schools. It is also designed to give graduates the language teaching skills, language proficiency, and cultural background to teach English Language Learning (ELL) students. Emphasis is on addressing the needs of an increasingly international student population in our schools.

Requirements (21 units minimum)

1. Language Component – Complete the following (3 units)
Satisfactory completion of Spanish language course work up to SPAN 3020. Students may begin the language courses at whatever level is appropriate. Students who pass the Bilingual Spanish Language Assessment may take an additional elective in sections 3 or 4 instead of SPAN 3020.
2. Cultural Component Complete 6 units from sections a and b in the following:
 - a. ETHS 2100 Contemporary Chicano Studies, 3 units **or**
ETHS 3110 Looking for America: Chicano Images in Arts and Film, 3 units
 - b. ETHS 4000 The Mexican American Family, 3 units
(Designated Equivalent Integrative Course)
3. Crosscultural Component
Complete 6 units from the following:
ETHS 4200 The Minority Experience, 3 units
ETHS 4040 Minority Family, Communities, and Schools, 3 units
ETHS 4350 Multiculturalism: From Bias to Reality, 3 units
4. Bilingual/Bicultural Component
Complete 6 units from the following:
EDUC 4430 Crosscultural Techniques for Teachers, 3 units
EDUC 4460 Cultural Views on Bilingualism (Perspectivas culturales tocante al bilingüismo), 3 units
ETHS 4100 Chicanos in Education, 3 units
ETHS 4940 Field Work in Ethnic Studies (Hispanic), 3 units

Liberal Studies Concentration in Biological Sciences

Students interested in teaching at the elementary school level with an emphasis on biology should complete the Liberal Studies concentration in Biology.

Requirements (20 units from the following areas)*

1. General Biology (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. Biological Diversity (4 units) select from the following:
 - 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 **or**
 Other acceptable course as indicated by an asterisk (*) in the Biological Sciences course description section of the catalog.
3. LIBS Scientific/Mathematical Inquiry (3 units):
 - BIOL 4020 Biology for Decision Making, 3 units
 - BIOL 4610 Elements of Environmental Science, 3 units, **or**
 Equivalent Scientific/Mathematical Inquiry Integrative course. If a course other than the BIOL courses listed above is taken to satisfy the integrative inquiry requirement, then three more units of Biological Sciences electives must be taken.
4. Electives (6-9 units):
 - BIOL 3000 Frontiers in Biology, 3 units
 - BIOL 3020 Introduction to Evolution, 3 units
 - BIOL 3100 Biological Illustration, 3 units
 - BIOL 4050 Ecosystem Case Studies, 3 units
 - BIOL 4200 Ecological Agriculture, 3 units
 - BIOL 4940 Internship in Biology, 2-4 units
 - BOTY 3000 Principles of Plant Propagation, 3 units
 - BOTY 3050 Plants, Agriculture, and Humans, 4 units
 - NSCI 3000 Science for Self-Sufficiency, 3 units
 - ZOO 3660 Bird Watching in Central California, 3 units, **or**
 Other acceptable Biological Sciences course as approved by concentration adviser.

*Twelve units of the concentration may not cross-count with upper-division GE or the Liberal Studies major.

Liberal Studies Concentration in Chemistry

Requirements (20 units)

Complete the following courses with a GPA of 2.0 or higher for a concentration in Chemistry within the Liberal Studies degree:

- CHEM 1110 Principles of Chemistry II, 5 units (with a prerequisite of CHEM 1100 or equivalent)
- Scientific/Mathematical Integrative Inquiry (3 units)
One course from the following:
BIOL 4020 Biology for Decision Making (3 units)
BIOL 4610 Elements of Environmental Science (3 units)
GEOL 3650 Geohazards: The Geological Science of Natural Disasters (3 units)
MATH 3040 Insights from Mathematics (3 units)
PHYS 3200 Heat, Light, and Sound (3 units) **or** equivalent course (3 units)
- CHEM 3010, 3020 Organic Chemistry I, II (6 units)
- CHEM 3012, 3022 Organic Chemistry Laboratory I, II (2 units)
- Upper-division electives in chemistry (4 units) from the following:
CHEM 4300 Advanced Organic Chemistry (3 units)
CHEM 4400 Biochemistry I (3 units)
CHEM 4402 Biochemistry Laboratory I (1 unit)
CHEM 4980 Individual Study (1-4 units)

Liberal Studies Concentration in Child Development

Requirements/Recommendations

- Upon advisement, community college transfer students with an Associate of Arts degree in Child Development or Early Childhood Education (ECE) may waive CDEV 3140 and complete the remaining required coursework, plus additional coursework, for a total of 22 units, 17 upper-division.
- Community college coursework in Child Development or Early Childhood Education may apply toward 5 units non-upper-division electives within the Child Development concentration.
- Community college transfer students without an Associate of Arts in Child Development or ECE must complete course requirements as outlined above for a total of not less than 22 units, with no more than 5 lower-division units.
- Students with Child Development concentrations must take all courses counted toward the concentration for a letter grade if the letter-grade option is available. In addition, no more than 3 units of credit-graded coursework may apply toward the concentration.
- All students must take at least one non-research Child Development laboratory course in residence at CSU Stanislaus. All students must complete CDEV 3010, Child Abuse and Neglect, prior to enrollment in the following lab courses: CDEV 3020, 3181, 3320, 3440, 3550, 4180, and 4190, or CDEV 4280.

- Internships and fieldwork courses may be repeated once each for credit toward the concentration. In addition, a maximum of 3 units of combined coursework in fieldwork and internships may be counted toward the concentration with approval by the major adviser.
- Students obtaining academic competency prior to the credential program must earn grades of C or better in all classes within the concentration.

Concentration (22 units)

- Complete the following upper-division core (16 units):
 - Complete all of the following courses:
CDEV 3010 Child Abuse and Neglect, 1 unit
CDEV 3140 Human Development I: Childhood, 3 units
CDEV 3170 Early Cognitive Development, 3 units
CDEV 3180 Early Social and Emotional Development, 3 units
 - Select one of the following Application courses:
CDEV 3020 & 3022 Child Guidance and Management, 3 units, **or**
CDEV 3181 & 3182 Early Childhood Development, 3 units, **or**
CDEV 3320 Infant Development and Group Care, 3 units **or**
CDEV 3440 Developmental Assessment, 3 units **or**
CDEV 3550 Early Intervention with High-Risk Children, 4 units **or**
CDEV 4180 Developmental Programs for Preschool Children,
3 units **and**
CDEV 4190 Developmental Programs Laboratory, 1 unit
CDEV 4280 Developmental of Social Cognition, 3 units
 - Select one of the following Family courses:
ANTH 4165 The Family in Cross-Cultural Perspective, 3 units, **or**
ETHS 4000 The Mexican American Family, 3 units, **or**
ETHS 4010 The African American Family, 3 units, **or**
ETHS 4030 Asian American Families, 3 units, **or**
SOCL 3150 The Family, 3 units

Electives

- Select 6 units of electives from the following courses (3 units must come from section a). Electives may not be cross counted for the courses required within the concentration core.
 - Select 3 units from the following Liberal Studies major and/or Inquiry courses (the following inquiry courses have been designated for the Child Development Concentration only):
CDEV 3030 Cognitive Development in School Settings, 3 units
MUS 3341 Music for the Classroom Teacher, 3 units
PHED 3400 Elementary Physical Education, 3 units
THEA 4020 Performance for Children, 4 units
 - Select 3 units from the following elective courses:
ANTH 4165 The Family in Cross-Culture Perspective, 3 units
CDEV 3020 Child Guidance and Management, 3 units
CDEV 3040 Child Development in Cultural Context, 3 units
CDEV 3181 Early Childhood Development, 3 units
CDEV 3240 Human Development II: Adolescence, 3 units
CDEV 3320 Infant Development and Group Care, 3 units
CDEV 3340 Human Development III: Adulthood and Aging, 3 units

CDEV 3440 Developmental Assessment, 3 units
 CDEV 4000 Child Development Research Methods, 3 units
 CDEV 4180 Developmental Programs for Preschool Children, 3 units, **and**
 CDEV 4190 Developmental Programs Laboratory, 1 unit
 CDEV 4940 Field Work in Child Development, 1-2 units (must be approved
 by adviser)
 CDEV 4945 Internship at Child Development Center as Instructional Aide,
 1 unit
 CDEV 4946 Internship at Child Development Center as Head Teacher,
 2 units
 CDEV 4947 Internship at Child Development Center as Assistant
 Administrator, 2 units
 CDEV 4950 Selected Topics in Child Development, 1-5 units
 CDEV 4960 Organization and Administration of Early Childhood
 Education Programs, 4 units
 CDEV 4980 Individual Study, 1-4 units
 CDEV 4990 Senior Honors Thesis, 3 units
 COMM 3400 Oral Interpretation of Children's Literature, 3 units
 ENGL 4620 Children's Literature, 3 units
 ETHS 4000 The Mexican American Family, 3 units
 ETHS 4010 The African American Family, 3 units
 ETHS 4030 Asian American Families, 3 units
 MUS 3340 Music in Elementary School, 3 units
 MUS 3341 Music for the Classroom Teacher, 3 units
 PHED 3400 Elementary Physical Education, 3 units
 PSYC 3700 Introduction to Learning and Motivation, 3 units
 PSYC 4110 Behavior Genetics, 3 units
 PSYC 4120 Human Development Research Seminar (WP), 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 PSYC 4150 Learning Disabilities, 3 units
 SOCL 3150 The Family, 3 units
 SOCL 3160 Sociology of Youth, 3 units
 THEA 3020 Children's Theatre, 3 units
 THEA 4020 Performance for Children, 4 units

Liberal Studies Concentration in Civics

The Liberal Studies Concentration in Civics is designed to prepare future teachers with a knowledge of United States political institutions, political culture and processes needed to meet the civics requirements of students K-12.

Requirements (21 units)

In consultation with an adviser, complete at least 21 units as follows:

1. One of the following introductory, lower division courses (3 units):
 PSCI 2000 Introduction to Political Science, 3 units, **or**
 PSCI 2030 Global Politics, 3 units
2. Two of the following courses on government, issues, and political structure (6-7 units):
 PSCI 3210 Legislative Process, 3 units
 PSCI 3220 Constitutional Law, 4 units
 PSCI 3225 Civil Liberties, 4 units
 PSCI 3320 Executive Legislative Relations, 3 units
 PSCI 3330 California Politics, 3 units
 PSCI 4230 The Presidency, 3 units
 PSCI 4330 Urban Politics, 4 units
3. One of the following courses on political thought (3-4 units):
 PSCI 3030 American Political Thought, 3 units
 PSCI 4050 Political Ideologies, 4 units
4. One of the following on multicultural issues and perspective (3-4 units):
 PSCI 3700 Ethnic and Gender Politics, 4 units
 PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
 PSCI 4305 Gender Politics at Work, 3 units
5. One of the following courses on cross-national politics and perspectives (3-4 units):
 PSCI 3400 Introduction to Comparative Politics, 3 units
 PSCI 3410 Comparative Politics: Latin America, 4 units
 PSCI 3430 Comparative Politics: Middle East, 3 units
 PSCI 3444 Gender and Sexuality in the Middle East, 4 units
 PSCI 3600 International Relations, 4 units
6. LIBS Social Inquiry (3 units):
 PSCI 4316 Teaching Democracy in the Classroom, 3 units

Liberal Studies Concentration in Communication Studies

Requirements (21 units)

1. Complete 3-6 units from the following lower division courses:
 COMM 2011 Introduction to Communication Studies
 (General Education Area D2a), 3 units
 COMM 2000 Public Speaking (General Education Area A1), 3 units **or**
 COMM 2110 Group Discussion Processes (General Education Area A1), 3 units
2. Complete 3 units from the following Inquiry courses:
 COMM 3400 Oral Interpretation of Children's Literature, 3 units
 COMM 4020 Communication in the Classroom, 3 units
3. Complete 12-15 units of electives from the following upper-division courses:
 COMM 3100 Advanced Interpersonal Communication, 3 units
 COMM 3400 Oral Interpretation of Children's Literature, 3 units*
 COMM 4020 Communication in the Classroom, 3 units*
 COMM 4040 Gender Communication, 3 units
 COMM 4060 Family Communication, 3 units
 COMM 4115 Communication for Leadership, 3 units
 COMM 4130 Communication and Aging, 3 units
 COMM 4150 Nonverbal Communication, 3 units
 COMM 4160 Intercultural Communication, 3 units
 COMM 4170 Professional Interviewing, 3 units
 COMM 4180 Health Communication, 3 units
 COMM 4190 Conflict and Communication, 3 units
 COMM 4220 Technology and Communication, 3 units
 COMM 4400 Visual Communication, 3 units
 COMM 4800 First and Second Language Acquisition, 3 units
 JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units

**If either COMM 3400 or COMM 4020 is used to fulfill the Inquiry requirement, that course cannot be used as an elective.*

Liberal Studies Concentration in Earth Sciences

Requirements (20 units)

1. Complete University requirements for a Bachelor of Arts degree in Liberal Studies.
2. Complete a minimum of 20 units of coursework in Earth Science covering categories (a) through (d) below. At least 12 units must be upper-division. GEOL 3050 and GEOL 3650 cover similar material, so they are mutually exclusive (i.e., students should take one or the other).
3. Complete the following requirements; a single course may count toward only one of the categories:
 - a. At least 6 units of courses that address the solid-earth component:
 - GEOL 2100 Principles of Geology, 3 units
 - GEOL 2102 Principles of Geology Laboratory, 1 unit
 - GEOL 2200 History of Earth and Life, 3 units
 - GEOL 2202 History of Earth and Life Laboratory, 1 unit
 - GEOL 2400 Introduction to Earth Science, 3 units
 - GEOL 3050 Environmental Geology, 4 units (includes activity)
 - GEOL 3500 Earthquakes and Volcanoes, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 4000 Geologic Field Excursions, 2 units (includes activity)
 - b. At least 3 units of courses that address the hydrosphere component:
 - GEOL 2100 Principles of Geology, 3 units
 - GEOL 2102 Principles of Geology Laboratory, 1 unit
 - GEOL 2200 History of Earth and Life, 3 units
 - GEOL 2202 History of Earth and Life Laboratory, 1 unit
 - GEOL 2400 Introduction to Earth Science, 3 units
 - GEOL 3050 Environmental Geology, 4 units (includes activity)
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 3810 Hydrogeology, 4 units (includes lab)
 - GEOL 4810 Development and Management of Water Resources, 4 units (includes activity)
 - c. At least 3 units of courses that address the atmosphere component:
 - GEOL 2100 Principles of Geology, 3 units
 - GEOL 2102 Principles of Geology Laboratory, 1 unit
 - GEOL 2400 Introduction to Earth Science, 3 units
 - GEOL 3050 Environmental Geology, 4 units (includes activity)
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 3810 Hydrogeology, 4 units (includes lab)
 - GEOL 4810 Development and Management of Water Resources, 4 units (includes activity)
 - PHSC 2100 Atmosphere, Weather, and Climate, 3 units
 - GEOG 3100 Climatology, 3 units

- d. At least 4 units of courses that address the universe component:
 - GEOL 2200 History of Earth and Life, 3 units
 - GEOL 2202 History of Earth and Life Laboratory, 1 unit
 - ASTR 2100 Descriptive Astronomy, 3 units
 - ASTR 2112 Astronomy Laboratory, 1 unit
 - GEOL 2400 Introduction to Earth Science, 3 units
4. Complete the following requirements; courses from the above list may be used to meet these requirements:
 - a. One lower-division Laboratory Course
 - GEOL 2100 Principles of Geology, 3 units **or**
 - GEOL 2400 Introduction to Earth Science, 3 units **and**
 - GEOL 2102 Principles of Geology Laboratory, 1 unit
 - GEOL 2200 History of Earth and Life, 3 units
 - GEOL 2202 History of Earth and Life Laboratory, 1 unit
 - ASTR 2100 Descriptive Astronomy, 3 units and
 - ASTR 2112 Astronomy Laboratory, 1 unit
 - b. One upper-division integrated science course with a laboratory:
 - GEOL 3050 Environmental Geology, 4 units (includes activity)
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)

Liberal Studies Concentration in Economics

Requirements (21 units)

At least 15 of the 21 required units must be upper division.

1. Economic Principles, 6 units:
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
 Take at least one course from each of the following areas:
2. Economic History (3 or 4 units):
 - ECON 3100 Economic History of the United States, 3 units
 - ECON 4010 Economic Thought, 3 units
 - ECON 4335 Political Economy (VWP), 4 units
3. International Economics (3 or 4 units):
 - ECON 4401 Third World Economics, 3 units
 - ECON 4455 The U.S. and World Trade, 4 units
4. Economic Resources (3 or 4 units):
 - ECON 4100 Labor Economics, 3 units
 - ECON 4560 Natural Resources and Environmental Economics, 4 units
 - ECON 4640 Economics and Agriculture, 3 units
5. Economic Analysis (3 or 4 units):
 - ECON 3150 National Income Analysis, 3 units
 - ECON 4331 Managerial Economics, 3 units
 - ECON 4500 Economics of Investments, 4 units
6. LIBS Social Inquiry (3 units):
 - ECON 4700 Contemporary Economic Issues, 3 units
 - ECON 4750 The California Economy, 3 units

Note: You may substitute courses upon approval by the concentration adviser.

Liberal Studies Concentration in English

Requirements (18 units)

1. Select one of the following courses (3 units):
 - ENGL 2100 British Literature to 1800, 3 units, **or**
 - ENGL 2110 British Literature after 1800, 3 units
2. Select one of the following courses (3 units):
 - ENGL 2200 American Literature to 1865, 3 units, **or**
 - ENGL 2210 American Literature after 1865, 3 units
3. Complete the following upper-division courses, (6 units):
 - ENGL 3009 Writing for Teachers (VWP), 3 units
 - ENGL 4620 Children's Literature, 3 units
4. Select a minimum of 6 units of upper-division English from the following:
 - ENGL 3010 Creative Writing Workshop, 4 units
 - ENGL 3500-3520 Studies in Film, 4 units
 - ENGL 3700 Introduction to Language, 3 units
 - ENGL 3750 Introduction to Linguistic Theory, 4 units
 - ENGL 3920 Survey of World Literature, 3 units
 - ENGL 4300 Shakespeare, 3 units
 - ENGL 4600 Tutorial Projects in English (VWP), 3 units
 - ENGL 4615 TESOL Methods, 3 units
 - ENGL 4630 Adolescent Literature, 3 units
 - ENGL 4800 Second Language Acquisition, 3 units
 - ENGL 4850 English Grammar, 3 units

Note: Other courses are available upon advisement.

Liberal Studies Concentration in Ethnic Studies

Requirements (20 units)

1. **Lower Division** (3 units)
 - a. Introductory/Foundation Courses of Ethnic Studies (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
2. **Upper Division** (17 units)

Choose at least one course from each section (a-e).

 - a. **Cultural and Historical Development of Ethnic Groups**
 - ETHS 3100 Asian American Images in Arts and Media, 3 units
 - ETHS 3110 Looking for America: Chicano Images in Art and Film, 3 units
 - ETHS 3115 Chicana/o Thought, 3 units
 - ETHS 3250 African American Images in the Arts and Media, 4 units
 - ETHS 3300 Hmong Cultural Experience in the United States, 3 units
 - ETHS 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units
 - ETHS 4711 Latino Diaspora: History of U.S. Latinos, 3 units
 - b. **Psychological, Sociological, Economic, Educational, and Political Aspects of Ethnic Communities**
 - EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings, 3 units
 - ETHS 3000 Mexican American Politics Since 1850, 3 units
 - ETHS 3200 Gender Roles in the Chicano Community, 3 units
 - ETHS 4020 The African American Woman: Soul Sister, 4 units
 - ETHS 4100 Chicanos in Education, 3 units
 - ETHS 4110 Asian Americans in Education, 3 units
 - c. **Ethnic Family Structure**
 - ETHS 4000 The Mexican American Family, 3 units
 - ETHS 4010 The African American Family, 3 units
 - ETHS 4030 Asian American Families, 3 units
 - d. **Synthesis of Knowledge/Introduction of Research Methodology**
 - ETHS 4200 The Minority Experience, 3 units*
 - ETHS 4350 Multiculturalism: From Bias to Reality, 3 units*
 - ETHS 4940 Field Work in Ethnic Studies, 3 units
 - ETHS 4950 Selected Topics in Ethnic Studies, 1-5 units
 - ETHS 4960 Seminar in Ethnic Studies, 3 units **or**
 - ETHS 4980 Individual Study, 1-4 units
 - e. **Social Inquiry Integrative Courses**
 - ETHS 4250 California Ethnic Experience, 3 units
 - ETHS 4040 Minority Family, Communities, and Schools, 3 units

*May cross count with Liberal Studies, Multicultural Perspectives

Liberal Studies Concentration in Exceptional Children and Youth

The Liberal Studies concentration in Exceptional Children and Youth was developed primarily for students interested in teaching students with mild/moderate and moderate/severe disabilities at the elementary and secondary levels. Many of the courses in the concentration are prerequisites for admission to the special education credential program. Students who wish to pursue a special education credential should meet regularly with their adviser to be apprised of any changes in the credential program requirements. (See the College of Education section of the Graduate catalog for descriptions of the Special Education credential programs.)

Note: Declaration of the concentration is not equivalent to admission to the Special Education Credential Program.

Requirements (21 units)

1. Complete the following required classes (18 units)
 - PSYC 2010 Introduction to Psychology, 3 units
 - PSYC/CDEV 3140 Human Development I: Childhood, 3 units
 - EDSE 4310 Introduction to Special Education Programs, 3 units
 - EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units
 - COMM 4800 First and Second Language Acquisition, 3 units **or**
 - ENGL 4800 Second Language Acquisition, 3 units
 - EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units **or**
 - EDSE/PSYC 4560 Theory of Instructional Design, 3 units
2. Select one of the following elective classes to complete the concentration (3 units):
 - PSYC 4130 Psychological Disorders of Children, 3 units
 - PSYC 4150 Learning Disabilities, 3 units
 - EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units

Liberal Studies Concentration in Geography

Requirements (21 units)

1. Complete two of the following courses (6 units):
 - GEOG 2010 Introduction to Physical Geography, 3 units
 - GEOG 2400 World Regional Geography I: Europe and Asia, 3 units
 - GEOG 2410 World Regional Geography II: Africa, Australia, and Latin America, 3 units
2. Complete the following courses (6 units):
 - GEOG 3010 Cultural Geography, 3 units
 - GEOG 3020 Human Ecology, 3 units
3. Complete the following regional course (3 units):
 - GEOG 3510 Geography of North America, 3 units
4. Complete the required upper division inquiry course (3 units):
 - GEOG 3350 Geography of the Great Central Valley, 3 units
5. Complete additional units in geography (3 units), based on interest.

- GEOG 3340 California Cultures and Environments, 3 units
- GEOG 3550 Geography of Europe, 3 units
- GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 4 units
- GEOG 3700/3702 Cartography, 3 units
- GEOG 3751/3752 Introduction to Computer Applications in Geography, 3 units
- GEOG 4070 Agricultural Geography, 4 units
- GEOG 4120 Geomorphology, 3 units
- GEOG 4210 Geographic Problems in the Developing World, 3 units
- GEOG 4250/5250 The Ethnoecology of Southeast Asia, 4 units
- GEOG 4301 Permaculture Applications in Diverse Environments, 3 units
- GEOG 4350 Urban Geography, 4 units
- GEOG 4610 Historical Geography of the United States, 3 units
- GEOG 4700/4703 Geographical Processes in Arid Landscapes: Death Valley, 4 units
- GEOG 4750/4752 Geographic Information Systems, 3 units
- GEOG 4800 Survey of Geographic Thought and Literature, 3 units

Liberal Studies Concentration in History

The Department of History seeks to produce students well educated in the past experiences of humanity and how that past might best be understood and its significance appreciated within a contemporary framework. Students are led to observe and understand history beyond simply the mere accumulation of disconnected facts; they are taught the importance of those facts in the context of causes and consequences. To achieve that goal, the courses listed in the revised program employ a methodology of critical analysis, by virtue of research papers, discussion, varied educational projects, and essay examinations to best understand and appreciate the historical data in relationship to the past and present. Of equal importance, the selected courses will expose the Liberal Arts student to the essential historical elements that contribute to the contemporary multicultural environment both in the United States and the global arena.

Requirements (21 units)

1. World History (3 units):
 - HIST 1010 World Civilizations I, 3 units **or**
 - HIST 1020 World Civilizations II, 3 units
2. European History (3 units):
 - HIST 3120 Ancient Mediterranean World, 3 units
 - HIST 3140 Medieval Europe, 3 units
 - HIST 3210 Renaissance and Reformation, 3 units
 - HIST 3220 Absolutism and Revolution, 1598-1799, 3 units
 - HIST 3230 Nineteenth Century Europe, 3 units
 - HIST 3240 Twentieth Century Europe, 3 units
3. American History (3 units):
 - HIST 3610 Colonial North America, 3 units
 - HIST 3620 Early National United States, 3 units
 - HIST 3630 U.S. Reconstruction through World War II, 3 units
 - HIST 3640 Contemporary United States, 3 units

4. Non-Western History (6 units):
 - HIST 3510 Colonial Latin America, 3 units
 - HIST 3520 Modern Latin America, 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, 1945 to the Present, 3 units
 - HIST 3900 Arab-Islamic Civilization: Origins to the Present, 3 units
 - HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
5. LIBS Social Inquiry (3 units):
 - HIST 4010 Practicing Local History, 3 units
 - HIST 4720 Modern Atlantic Slavery, 3 units
6. Electives (3 units):
 - HIST 4000 Readings in History, 1-2 units (Must be taken with another History course)
 - HIST 4980 Individual Study, 1-4 units
 Any 3000 or 4000 level History course, including the courses listed above.

Liberal Studies Concentration in Mathematics

Requirements (20 units)

Complete 20 units in mathematics as approved by the concentration adviser, including a minimum of 12 upper-division units by completing the requirements from each of the 3 groups listed below:

1. Calculus (8 units)
 - MATH 1410 Calculus I, 4 units
 - MATH 1420 Calculus II, 4 units
2. LIBS Scientific/Mathematical Inquiry (3 units)
 - MATH 3040 Insights from Mathematics, 3 units
3. Upper-division Electives (9 units):
 - Complete at least six units from group (a) below.
 - a. MATH 3060 Modern Geometry, 3 units
 - MATH 3110 History of Mathematics, 3 units
 - MATH 3600 Theory of Numbers, 3 units
 - MATH 3400 Set Theory and Logic, 3 units
 - b. MATH 3030 Mathematics for Elementary and Middle School Teachers, 3 units **or**
 - MATH 3350 Applied Mathematical Models, 3 units

Liberal Studies Concentration in Music

Complete a minimum of 20 units, including at least 12 units of upper-division courses.

Requirements (20 units minimum)

1. Complete a minimum of 8 units from the following courses:
 - MUS 1000 Introduction to Music, 3 units
 - MUS 1190 Music Fundamentals, 3 units
 - MUS 1220 Theory I, 3 units
 - MUS 1600 Basic Class Piano, 1 unit
 - MUS 1620 Basic Class Guitar, 1 unit
 - MUS 1630 Basic Class Voice, 1 unit
 - MUS 2000 Music of World Cultures, 3 units
 - MUS 2400, 2410, 2440 Major Group Performance, 1-4 units
 - MUS 2600 Intermediate Class Piano, 1 unit
 - MUS 2630 Intermediate Class Voice, 1 unit
 - MUS 2650 Intermediate Class Guitar, 1 unit
2. Complete a minimum of 9 units from the following courses:
 - MUS 3100 Music History and Literature II, 3 units
 - MUS 3200 Music History and Literature III, 3 units
 - MUS 3270 Basic Conducting, 2 units
 - MUS 3340 Music in Elementary School, 3 units
 - MUS 3400 American Music, 3 units
 - MUS 3410 History of Jazz, 3 units
 - MUS 3650, 3660 String Technique I, II, 1 unit each
 - MUS 3681, 3682 Woodwind Techniques I, II, 1 unit each
 - MUS 3683 Brass Techniques, 1 unit
 - MUS 3684 Percussion Techniques, 1 unit
 - MUS 4400, 4410, 4440 Major Group Performance, 1-4 units
 - Electives, 1-3 units
3. Complete one of the following Liberal Studies Inquiry courses:
 - MUS 3341 Music for the Classroom Teacher, 3 units
 - MUS 3420 Music and the Arts, 3 units

Liberal Studies Concentration in Physical Education**Requirements** (20 units)

1. Complete the following courses (6 units):
 - *PHED 3400 Elementary Physical Education, 3 units
 - *Equivalent Integrated Inquiry Course
 - PHED 4200 Motor Learning, 3 units, **or**
 - PHED 4250 Motor Development, 3 units
2. Complete one course from following (3 units):
 - PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
 - PHED 4100 Curriculum, Organization, Administration, and Instruction of Physical Education, 3 units
 - PHED 4300 Measurement and Evaluation in Physical Education, 3 units
 - PHED 4400 Kinesiology, 3 units
 - PHED 4500 Physiology of Exercise, 3 units
3. Complete one course from the following (3 units):
 - PHED 3700 Sport in Society (W/P), 3 units
 - PHED 4800 Adapted Physical Education, 3 units
 - HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
 - HLTH 4200 Elementary School Health and Safety, 3 units
4. Complete three courses from the following (6 units):
 - PHED 3300 Theory and Analysis-Aquatic Sports (Spring only), 2 units
 - PHED 3310 Theory and Analysis-Combative Activities (Spring only), 2 units
 - PHED 3320 Theory and Analysis-Dance (Fall only), 2 units
 - PHED 3330 Theory and Analysis-Golf/Archery, 2 units
 - PHED 3340 Theory and Analysis-Gymnastics (Fall only), 2 units
 - PHED 3350 Theory and Analysis-Racquet Sports (Fall only), 2 units
 - PHED 3360 Theory and Analysis-Team Sports (Spring only), 2 units
5. Complete one elective from courses listed above, 2 units

Liberal Studies Concentration in Physics and Physical Sciences

Requirements (20 units)

1. Complete the following lower-division courses (5 units):
PHYS 2110 Basic Physics II, 5 units, with consent of adviser, **or**
PHYS 2260 General Physics II, 4 units, **and**
PHYS 2262 General Physics Laboratory II, 1 unit
2. Select a minimum of 15 units from the following upper-division courses:
 - a. PHYS 3200 Heat, Light, and Sound, 3 units
 - b. In consultation with Physical Science adviser, select 12 units from the following; at least 3 units must be from Physics or Astronomy.

Physics

PHYS 3010 Introduction to Mathematical Physics I, 3 units
PHYS 3080 How Things Work, 3 units
PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
PHYS 4250 Analog and Digital Electronics, 4 units

Astronomy

ASTR 3000 Contemporary Astronomy, 3 units

Chemistry

CHEM 3050 Forensic Chemistry, 4 units
CHEM 3070 Chemicals in Your Life, 3 units
CHEM 3080 Chemistry of Nuclear Energy, 3 units
CHEM 3090 Chemistry in the Elementary School Classroom, 3 units
CHEM 3100 Environmental Chemistry, 3 units
CHEM 4010 Physical Chemistry I, 3 units
CHEM 4012 Physical Chemistry Laboratory I, 1 unit
CHEM 4020 Physical Chemistry II, 3 units

Geology

GEOL 3050 Environmental Geology, 4 units
GEOL 3500 Earthquakes and Volcanoes, 3 units
GEOL 3600 Physical Oceanography, 3 units
GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units
GEOL 4000 California Field Excursions, 2 units
GEOL 4700 Plate Tectonics, 3 units

Note: Students cannot take both GEOL 3050 and GEOL 3650.

Liberal Studies Concentration in Sociology

Liberal Studies majors with a concentration in Sociology gain an appreciation for the role of individuals in society as well as for the effects and consequences of interaction with the basic social institutions: family, religion, education, government, and economics. Sociology Concentration students also develop appreciation for the functions of community as well as for the concepts of social class, ethnicity, and gender. In addition, selecting a concentration in sociology will enable future California teachers to have a greater appreciation for the impact of social dynamics on the classroom environment.

Specifically, the Sociology concentration is aligned with six subject matter skills and abilities applicable to the content domains in History and Social Science, as well as with five content domains standards necessary to student's acquiring California's Multiple Subject Teaching Credential.

The Liberal Studies Concentration in Sociology requires 20 units: 3 prerequisite units plus 17 upper-division units. In addition to the prerequisite, students in the Sociology Concentration are introduced to techniques and critical understanding of information gathering in the social sciences, as well as courses that focus on various aspects of social-structural and cultural interaction, and the approved Integrative Study course, Sociology of Education.

Requirements (20 units)

Prerequisite

SOCL 1010 Introduction to Sociology, 3 units **or**
SOCL 2240 Social Problems, 3 units

Information Gathering in the Social Sciences

SOCL 3030 Research Methods, 4 units

Integrative Study Requirement

SOCL 3700 Sociology of Education, 3 units

Societal/Cultural Interactions

SOCL 3000 Classical Theory, 4 units
SOCL 4010 Race and Ethnic Relations, 3 units
SOCL 4800 Formal Organization in Modern Society, 3 units

Liberal Studies Concentration in Spanish

The Liberal Studies Concentration in Spanish is designed to prepare future teachers to be modestly proficient in speaking, reading and writing Spanish and to acquire a basic understanding of the civilizations and cultures of the Pan-Hispanic world. The Spanish Concentration also offers excellent preparation for students who are planning to pursue a bilingual/cross-cultural or single subject credential in Spanish. The separate tracks of this concentration are designed to serve the special needs and interests of native and non-native speakers.

Requirements (21 units)

Track 1 (non-native speakers):

1. Complete the following preparatory courses (6 units):
SPAN 2010 Intermediate Spanish I, 3 units
SPAN 2020 Intermediate Spanish II, 3 units
2. Complete the following core courses (9 units):
SPAN 3000 Advanced-Intermediate Spanish, 3 units
SPAN 3010 Advanced Spanish I, 3 units
SPAN 3020 Advanced Spanish II, 3 units
3. Complete the following LIBS Integrative Inquiry courses (6 units):
SPAN 3600 Spanish Civilization, 3 units
SPAN 3610 Spanish American Civilization, 3 units

Track 2 (native speakers):

1. Complete the following preparatory courses (6 units):
SPAN 2011 Spanish for Native Speakers I, 3 units
SPAN 2015 Spanish for Native Speakers II, 3 units
2. Complete the following core courses (6 units):
SPAN 3010 Advanced Spanish I, 3 units
SPAN 3020 Advanced Spanish II, 3 units
3. Complete the following LIBS Integrative Inquiry courses (6 units):
SPAN 3600 Spanish Civilization, 3 units
SPAN 3610 Spanish American Civilization, 3 units
4. Complete one upper-division grammar, linguistics or literature elective (3 units)

Liberal Studies Concentration in Teaching English to Speakers of Other Languages (TESOL)

The TESOL Concentration in Liberal Studies is an excellent undergraduate preparation for California teaching credentials, and provides minimum preparation for teaching English as a Second Language (ESL) or English as a Foreign Language (EFL) in language institutes in the U.S. or overseas. With the increasingly multi-cultural and multi-lingual makeup of our public schools, and the need for ESL approaches in the K-12 classrooms, the TESOL Concentration is increasingly valued by California school districts. The concentration does not require fluency in any language other than English.

Requirements (19-20 units)

- ENGL 3750 Introduction to Linguistic Theory, 4 units, **or**
ENGL 3700 Introduction to Language, 3 units
ENGL 4615 TESOL Methods (an equivalent LIBS Integrative Inquiry course), 3 units
ENGL 4800 Second Language Acquisition, 3 units, **or**
COMM 4800 First and Second Language Acquisition, 3 units
ENGL 4850 English Grammar, 3 units
ENGL 4990 Senior Seminar, 4 units
- Three units of college-level foreign language (this requirement may also be fulfilled by an intensive HILT-type course, overseas study, or demonstrated proficiency contingent upon approval of TESOL adviser).

Liberal Studies Concentration in Theatre

Requirements (22 units)

1. Complete the following lower-division courses (6 units):
THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
2. Complete the following upper-division courses (9 units):
THEA 3020 Children's Theatre, 3 units
THEA 3200 Stagecraft I, 3 units
THEA 3210 Makeup, 3 units, **or**
THEA 3240 Costuming, 3 units
3. One course selected from the following (3 units):
THEA 4510 Intermediate Acting, 3 units
THEA 4520 Advanced Acting, 3 units
4. Complete the following Artistic Inquiry Course (4 units):
THEA 4020 Performance for Children, 4 units

Department of Physical Education and Health

J. Sue Fletcher, Ed.D., *Chair*

Professors: Fletcher, Luo

Associate Professors: Hall, Young

Assistant Professor: Deaner

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Bachelor of Arts in Physical Education with a concentration in Health and Wellness Promotion

Minor in Physical Education

Liberal Studies concentration in Physical Education

Master of Arts in Education*

with a concentration in Physical Education

Single Subject Matter Preparation in Physical Education

*See the Graduate catalog.

Courses provide a background in physical education for those planning to enter the teaching field, an educational foundation for those planning to undertake graduate work, or a program for preprofessional work in health and wellness fields such as pre-physical therapy.

Recommendations

1. Physical Education majors are strongly encouraged to maintain motor skills and physical fitness by enrolling in one activity skills class and one activity fitness class per semester.
2. Advising is mandatory for all majors in this degree program. Please contact the Department office either by telephone or email for information on academic advising.
3. Students interested in obtaining a teaching credential are strongly advised to confer with the Department of Teacher Education program adviser at the beginning of the junior year. An application for admission into the teacher education program is available from the Department of Teacher Education.

Bachelor of Arts in Physical Education

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (13 units):
 - a. The following courses are required for physical education majors, and also fulfill general education requirements:
BIOL 1010 Principles of Biology (Lec), 3 units, **and**
BIOL 1020 World of Biology Laboratory, 1 unit, **or**
ZOOL 1050 Introduction to Zoology, 4 units
 - b. PHED 1000 Physical Education Activity, 1 unit
 - c. Required courses in related fields:
ZOOL 2230 Physiology (Lec), 3 units
ZOOL 2232 Physiology (Lab), 1 unit
ZOOL 2250 Human Anatomy (Lec and lab), 4 units
3. Complete the major of not less than 38 upper-division units.
4. Consult with the major adviser during each advising period concerning requirements, changes in curriculum, waivers, etc.
5. Completion of a minor is not required.

The Major (38 units)

1. Group One — Complete the following courses (18 units):
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
PHED 4100 Curriculum Organization, Administration, and Instruction of Physical Education, 3 units
PHED 4200 Motor Learning, 3 units
PHED 4300 Measurement and Evaluation in Physical Education, 3 units
PHED 4400 Kinesiology, 3 units
PHED 4500 Physiology of Exercise, 3 units
2. Group Two — Complete eight units from the following courses:
PHED 3400 Elementary Physical Education, 3 units
PHED 3700 Sport in Society (VWP), 3 units
PHED 4800 Adapted Physical Education, 3 units
HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
3. Group Three — Complete four units from the following courses:
PHED 3200 Theory of Coaching Football, 2 units
PHED 3210 Theory of Coaching Basketball, 2 units
PHED 3220 Theory of Coaching Baseball, 2 units
PHED 3230 Theory of Coaching Track and Field, 2 units
PHED 3240 Theory of Coaching Volleyball, 2 units
PHED 3250 Theory of Coaching Softball, 2 units
PHED 3260 Theory of Strength and Conditioning, 2 units
4. Group Four — Complete eight units from the following courses:
PHED 3300 Theory and Analysis of Aquatic Sports, 2 units
PHED 3310 Theory and Analysis of Combative Activities, 2 units
PHED 3320 Theory and Analysis of Dance, 2 units
PHED 3330 Theory and Analysis of Golf/Archery, 2 units
PHED 3340 Theory and Analysis of Gymnastics, 2 units

PHED 3350 Theory and Analysis of Racquet Sports, 2 units

PHED 3360 Theory and Analysis of Team Sports, 2 units

Concentration in Health and Wellness Promotion

Requirements

1. Complete the requirements for the Bachelor of Arts degree. (Recommend HLTH 1000 in General Education area E1).
2. Complete the prerequisites to the major (13 units)
 - a. The following courses are required for physical education majors, and also fulfill general education requirements:
BIOL 1010 Principles of Biology, 3 units, **and**
BIOL 1020 World of Biology Laboratory, 1 unit, **or**
ZOOL 1050 Introduction to Zoology, 4 units
 - b. PHED 1010-1990 Physical Education Activity, 1 unit
 - c. Required courses in related fields:
ZOOL 2230 Physiology (Lec), 3 units
ZOOL 2232 Physiology (Lab), 1 unit
ZOOL 2250 Human Anatomy, 4 units
3. Complete the concentration of not less than 24-25 upper-division units.
4. This concentration does not qualify students for admission to the credential program.
5. Consult with major adviser during each advising period concerning requirements, changes in curriculum waivers, etc.
6. Completion of a minor is not required.

Required Courses in the Major

1. Complete the Core Courses (15 units):
PHED 4300 Measurement and Evaluation in Physical Education, 3 units
PHED 4400 Kinesiology (Lecture and Lab), 3 units
PHED 4500 Physiology of Exercise (Lecture and Lab), 3 units
PHED 4800 Adapted Physical Education, 3 units
HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
2. Complete two courses from the following (6 units):
PHED 3400 Elementary Physical Education, 3 units
PHED 3700 Sport in Society (W/P), 3 units
PHED 3800 Sport Psychology: Concepts and Applications, 3 units
PHED 4200 Motor Learning, 3 units
PHED 4250 Motor Development, 3 units
3. Complete the following courses in the Concentration (18-19 units):
PHED 3370 Theory and Analysis of Fitness Activities, 2 units
HLTH 3030 Cardiovascular Health, Fitness, and Exercise, 3 units
HLTH 3100 Foods and Nutrition, 3 units
HLTH 4500 Health in a Diverse Society, 3 units
HLTH 4600 Health and Fitness Assessment (Lecture and Lab), 3 units
HLTH 4650 Health and Fitness Program Design, 3 units
HLTH 4940 Fieldwork or Practicum in Health, 1-2 units

4. Complete two courses from the following electives (6 units):
HLTH 4300 Family Health, 3 units
COMM 3120 Management Communication, 3 units
PSYC 3340 Human Development III: Adulthood and Aging, 3 units
PSYC 3660 Psychology of Women, 3 units
SOCL 4710 Sociology of Aging, 3 units

Minor in Physical Education

Requirements (21 units)

1. Complete HLTH 3000, Prevention and Care of Athletic Injuries, 3 units
2. Complete the following coursework from the groups listed for the Bachelor of Arts in Physical Education major (18 units):
Courses from Group One of Major Program, 6 units
Courses from Group Two of Major Program, 4 units
Courses from Group Three of Major Program, 4 units
Courses from Group Four of Major Program, 4 units

Note: Of the 21-unit total, 16 units must be upper division.

Liberal Studies Concentration in Physical Education

Please refer to the Liberal Studies section of the catalog.

Teaching Credentials

Majors in physical education interested in the single subject credential are referred to the Teacher Education section of the Graduate catalog.

Before admission to the credential program, students must be cleared for subject matter competence. The Department of Physical Education and Health will certify students for competence in appropriate subject matter content when they:

1. Complete an approved California Commission on Teacher Credentialing Single Subject Matter Preparation Program in Physical Education, or
2. Earn a passing score on the Single Subject Examination in Physical Education, Test #09 and the CSET Examination in Physical Education,
3. Demonstrate University requirement competency in skills or subject areas commonly taught in California public schools. These include dance, sports and games, aquatics, and gymnastics. Competency in skills may be obtained by passing 16 or more units at CSU Stanislaus in theory and analysis and theory of coaching classes with the instructor approving the skill level (grade C– or better). If the instructor does not approve the skill level, the student must take remedial action to improve deficient skills and then pass a skills test.
4. Appeal Process:
 - a. There is no appeal for 1 and 2.
 - b. Students who do not pass a skills test on the second attempt may request a committee of three qualified faculty to administer and score the next test.

Single Subject Matter Preparation Program

Requirements

1. Complete the requirements for the Bachelor of Arts degree.
2. Complete the prerequisites to the major (4 units):
BIOL 1010 Principles of Biology, 3 units, **and**
BIOL 1020 World of Biology Laboratory, 1 unit, **or**
ZOOL 1050 Introduction to Zoology, 4 units
3. Complete the required courses in related fields (8 units):
ZOOL 2230 Physiology (Lec), 3 units
ZOOL 2232 Physiology (Lab), 1 unit
ZOOL 2250/2252 Human Anatomy, 4 units

Subject Matter Preparation Program

1. Complete the following coursework in core subjects (18 units):
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
PHED 3700 Sport in Society (W/P), 3 units
PHED 4200 Motor Learning, 3 units
PHED 4300 Measurement and Evaluation in Physical Education, 3 units
PHED 4400 Kinesiology, 3 units
PHED 4500 Physiology of Exercise, 3 units
2. Complete the following coursework in breadth and depth courses (18 units):
HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
PHED 3400 Elementary Physical Education, 3 units
PHED 4100 Curriculum, Organization, Administration, and Instruction of Physical Education, 3 units
PHED 4150 Secondary Pedagogy in Physical Education, 3 units
PHED 4250 Motor Development, 3 units
PHED 4800 Adapted Physical Education, 3 units
3. Complete the following coursework in movement concepts and forms (20 units):
 - a. All courses in Group A, below, are required (14 units):
PHED 3300 Theory and Analysis of Aquatic Sports, 2 units
PHED 3310 Theory and Analysis of Combative Activities, 2 units
PHED 3320 Theory and Analysis of Dance, 2 units
PHED 3330 Theory and Analysis of Golf/Archery, 2 units, **or**
PHED 3340 Theory and Analysis of Gymnastics, 2 units
PHED 3350 Theory and Analysis of Racquet Sports, 2 units
PHED 3370 Theory and Analysis of Fitness Activities, 2 units
PHED 3650 Outdoor Education, 2 units
 - b. Select 3 courses from Group B (6 units):
PHED 3200 Theory of Coaching Football, 2 units
PHED 3210 Theory of Coaching Basketball, 2 units
PHED 3220 Theory of Coaching Baseball, 2 units
PHED 3230 Theory of Coaching Track and Field, 2 units
PHED 3240 Theory of Coaching Volleyball, 2 units
PHED 3250 Theory of Coaching Softball, 2 units
PHED 3260 Theory of Strength and Conditioning, 2 units
PHED 3360 Theory and Analysis of Team Sports, 2 units

Note: The California Commission on Teacher Credentialing (CCTC) has newly adopted (2002) subject matter requirements and single subject matter preparation standards. The Bachelor of Arts, Physical Education Single Subject Matter Preparation Program is currently under review by the CCTC. Students admitted to the currently approved program must complete their course of study by July 1, 2010 or prior to the phase-out of the currently approved program.

Supplementary Authorization in Health Science and in Physical Education

The holder of a Multiple Subject, Single Subject, Standard Secondary, or Special Secondary Teaching Credential may have one or more of the subjects commonly taught in departmentalized classes and listed below added to his or her credential as a supplementary authorization by verifying completion of the following requirements specified in California Administrative Code, Title 5 Sections 80057.5, 80089, 80089.1 and 80089.2. Supplementary authorizations cannot be issued in any subject that falls within the statutory single subject category of an applicant's Single Subject Teaching Credential.

The Department offers courses for the Introductory Health Science supplementary authorization and the Introductory Physical Education supplementary authorization.

Introductory Health Science

Substance Abuse (including alcohol, drug, and tobacco), Family Health, and Nutrition.

Completion of 20 semester units (or 10 upper division semester units):

HLTH 3100 Foods and Nutrition, 3 units
HLTH 3500 Drugs and the Athletic Environment, 3 units
HLTH 4200 Elementary School Health and Safety, 3 units **or**
HLTH 4210 Secondary School Health and Safety, 3 units
HLTH 4300 Family Health, 3 units*

*Meets requirements for Upper Division G.E. Area F3 and G.

Introductory Physical Education

Team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional, and global sports and games (such as aquatics, conditioning, and archery).

Completion of 20 semester units (or 10 upper division semester units):

PHED 3260 Theory of Strength and Conditioning, 2 units
PHED 3300 Theory and Analysis of Aquatics Sports, 2 units
PHED 3320 Theory and Analysis of Dance, 2 units
PHED 3340 Theory and Analysis of Gymnastics, 2 units
PHED 3360 Theory and Analysis of Team Sports, 2 units
PHED 4200 Motor Learning, 3 units

Learning Objectives

Physical Education majors will:

- Demonstrate knowledge and skill in a broad variety of movement and fitness activities.
- Understand the biological/physical and behavioral bases of movement and the changes that occur across the life span, within diverse populations, and under a variety of environmental conditions.
- Understand the sociocultural and humanistic bases of movement within diverse culture, historical periods, and social settings.
- Understand how motor skills are acquired, how fitness is achieved, and how to maintain these across the life span under a variety of environmental and personal unique conditions.
- Understand the relationship between movement, conditioning/training, well-being and skill across the life span and within diverse populations.
- Know how to apply kinesiological knowledge to enhance motor skills and fitness in a variety of populations and conditions.
- Apply critical thinking, writing, reading, oral communication, quantitative and qualitative analysis, and information management skills to movement-related questions.
- Demonstrate the knowledge of the conditions for safety in movement-related contexts across the life span and within diverse populations, and respond appropriately to common injuries occurring during physical activity.
- Be able to use a computer and other technology to support inquiry and professional practice in a movement-related field.
- Be able to use and apply kinesiological data collection techniques and measurement theory to assess, analyze, and evaluate human performance.
- Understand the scientific methods and other systematic ways of knowing relative to research and scholarship in human movement.
- Demonstrate the ability to integrate multidisciplinary knowledge bases of kinesiology in an applied, problem-solving context.
- Be familiar with standards, ethics, and expectations of professional communities related to human movement.
- Be prepared to engage in professionally related community activities.
- Demonstrate additional in-depth knowledge and skills associated with study in any one of the concentrations, specializations, and emphases that are associated with the Physical Education degree.

Course Descriptions**Lower Division****Activity Courses**

All activity courses are 1-unit courses, meet two hours per week, have no prerequisites, may be repeated once for credit, are graded on a CR/NC basis, and satisfy G.E. area E2.

With the consent of the instructor, activity courses may be challenged by passing a proficiency test and written examination.

Fitness and Conditioning

PHED 1020 Yoga

PHED 1050 Jogging

PHED 1070 Judo

PHED 1100 T'ai Chi Ch'uan

PHED 1130 Lifetime Fitness Training

Individual and Dual Sports

PHED 1230 Badminton

PHED 1330 Golf

PHED 1480 Tennis

Aquatics

PHED 1610 Swimming

PHED 1640 Life Saving

Team Sports

PHED 1870 Volleyball

PHED 1880 Intermediate Volleyball

Dance

PHED 1960 Modern Jazz Dance

PHED 1965 Intermediate Modern Jazz Dance

PHED 1990 Dance Aerobics

PHED 2500–2595 Intercollegiate Athletics (2 units)

Theory, practice, and game performance of competitive intercollegiate athletics. Limited to students trying out for the intercollegiate team. May be repeated for credit.

Prerequisite: Consent of instructor. (Fall, Winter, Spring)

PHED 2500 Baseball

PHED 2505 Softball

PHED 2510 Basketball (M)

PHED 2520 Cross Country

PHED 2530 Golf

PHED 2555 Soccer

PHED 2560 Track and Field

PHED 2570 Volleyball

PHED 2580 Basketball (W)

PHED 2585 Soccer (W)

PHED 2595 Indoor Track and Field

Upper Division**PHED 3100 Foundations, History, and Philosophy of Physical Education (3 units)**

Historical factors and forces guiding the development of physical education; objectives of current physical education and its contribution to the full development of man; development of professional understanding and attitude. Philosophical thoughts guiding the development of physical education from ancient to modern times. (Fall, Spring)

PHED 3200–3250 Theory of Coaching (2 units)

Principles, psychology, and coaching techniques underlying participation in competitive interscholastic athletics. PHED 3200, Football; PHED 3210, Basketball (corequisite: PHED 3213); PHED 3220, Baseball (corequisite: PHED 3223); PHED 3230, Track and Field (corequisite: PHED 3233); PHED 3240, Volleyball (corequisite: PHED 3243); PHED 3250, Softball (corequisite: PHED 3253). Prerequisite: Limited to physical education majors and minors, or consent of instructor. (Lecture, 1 hour; laboratory, 2 hours) (Fall, Winter, Spring)

PHED 3260 Theory of Strength and Conditioning (2 units)

The role of strength and conditioning for athletes with the primary emphasis on application for coaches to include weight room management, safety, exercise techniques, program design, and other aspects of a comprehensive training program. Corequisite: PHED 3263. Prerequisite: Limited to physical education majors and minors, Liberal Studies majors with concentrations in physical education, or consent of instructor. (Lecture, 1 hour; activity, 2 hours)

PHED 3300–3370 Theory and Analysis of Physical Education Activities (2 units)

Development of fundamental skills and special abilities applicable to specific areas. A study of competencies and knowledge needed for teaching and organization. Rules and field experience in game strategy, tactics, psychological and evaluation techniques. PHED 3300, Aquatic Sports; PHED 3310, Combative Activities; PHED 3320, Dance; PHED 3330, Golf/Archery; PHED 3340, Gymnastics; PHED 3350, Racquet Sports; PHED 3360, Team Sports; PHED 3370, Fitness Activities. Prerequisite: Limited to physical education majors and minors, Liberal Studies majors with concentrations in physical education, or consent of instructor. (Two 2-hour laboratories) (Fall, Winter, Spring)

PHED 3400 Elementary Physical Education (3 units)

The scope and value of physical education and movement education in the elementary school. Aimed at developing the full range of each child's abilities, including cognitive skills, ways of finding and using information, perceptual ability, motor skills, social skills, and effective sensitivity. (Summer, Fall, Winter, Spring)

PHED 3650 Outdoor Education (2 units)

Basic backpacking, orienteering, mountaineering, Project Adventure, snow skiing, and instructional techniques for teaching these outdoor leisure pursuit activities and field experiences. Preparation for teaching in physical education in secondary school.

PHED 3700 Sport in Society (WP) (3 units)

Introduction to the theoretical study of sport and its relationship to culture and society; investigation and analysis of literature that is concerned with the individual and his/her involvement in play, game, and sport. Emphasis will be on corporate sport and its impact on social institutions and processes. Satisfies upper-division writing proficiency requirement. SOCL 1010 is recommended. Open only to P.E. majors and Liberal Studies majors with concentrations in P.E. Prerequisite: Passing WPST.

PHED 3800 Sport Psychology: Concepts and Applications (3 units)

Provides students with basic background information about the subject of Sport Psychology. Examines the behavior of individuals participating in various sports. The focus is on why sports participants behave the way they do in various sport settings, and the scope encompasses the major psychological factors underlying their behavior.

PHED 4100 Curriculum Organization, Administration, and Instruction of Physical Education (3 units)

An introduction to secondary level physical education curriculum planning, development, and evaluation. Preparation for teaching in physical education in secondary schools. Current trends and practices, instructional materials, methodologies, and techniques. Special attention is devoted to The California Framework for Physical Education. (Fall, Spring)

PHED 4150 Secondary Pedagogy of Physical Education (3 units)

Provides students with the knowledge base in pedagogical methods and effective principles in secondary physical education. Prerequisite: Senior standing.

PHED 4200 Motor Learning (3 units)

The application of psychological factors relating to the acquisition or performance of perceptual-motor skills. Emphasis upon the structure and function of the nervous system with specific reference to adaptive motor control. Includes an examination of the neurological integration involved in the maintenance of posture, orientation in space, and patterning of voluntary movement. (Fall)

PHED 4250 Motor Development (3 units)

Introduces motor developmental concepts of infants, children, adolescents, and adults to prospective physical education teachers and school teachers.

PHED 4300 Measurement and Evaluation in Physical Education (3 units)

A study of practical measurements for evaluation in physical education with emphasis on fitness and sports skills. Prerequisite: Junior standing. (Fall, Spring)

PHED 4400 Kinesiology (3 units)

A study of anatomical structure and mechanical principles applied to human movement. Analysis of motor skills related to physical education activities. Corequisite: PHED 4402. Prerequisites: ZOOL 2250 and junior standing. PHYS 1500 is recommended. (Lecture, 2 hours; laboratory, 3 hours) (Fall, Spring)

PHED 4500 Physiology of Exercise (3 units)

Study of different body systems and the effects of exercise on each system and physical performance. Corequisite: PHED 4502. Prerequisites: ZOOL 2230, 2232, and junior standing. CHEM 1000 is recommended. (Lecture, 2 hours; laboratory, 3 hours) (Spring)

PHED 4800 Adapted Physical Education (3 units)

The nature of specific disabilities which occur in students, the ways in which physical education activities are modified to meet the movement needs of physically disabled students, and the laws of the State of California which have implications for the physical education program for physically disabled students. ZOOL 2250 is recommended. Corequisite: PHED 4802. (Lecture, 2 hours; laboratory, 3 hours) (Fall)

PHED 4940 Field Work or Practicum in Physical Education (1-2 units)

Field work is designed for students interested in gaining experience in a teaching or coaching situation off campus. Practicum is designed for students interested in gaining experience in a teaching or coaching situation on campus. May be repeated for a total of 6 units. Prerequisite: Consent of department chair. (Fall, Winter, Spring)

PHED 4980 Individual Study (1-4 units)

For students capable of independent work in need of advanced or specialized study. May be repeated for 6 units. Prerequisite: Consent of department chair. (Fall, Winter, Spring)

Health Course Descriptions

Lower Division**HLTH 1000 Health in Today's Society (3 units)**

Attention is focused on contemporary health problems and concerns. Typical topics covered are mental and emotional health, sexuality, nutrition, fitness, diseases, consumer education, environmental health, safety, aging, and death and dying. Satisfies G.E. area EI. (Fall, Spring)

Upper Division**HLTH 3000 Prevention and Care of Athletic Injuries (3 units)**

Principles, practices, and legal aspects of conditioning athletes, with emphasis on the prevention and care of athletic injuries, bandaging, therapy, health habits, and protective equipment. Prerequisites: ZOOL 2250 and junior standing or consent of instructor. (Fall, Spring)

HLTH 3030 Cardiovascular Health, Fitness, and Exercise (3 units)

The role of exercise in health and fitness, with primary emphasis on the cardiovascular system and the use of exercise in avoiding disease.

HLTH 3100 Foods and Nutrition (3 units)

Selection of foods, health products, and services as basis for healthful living; health and nutritional needs at various ages; research findings and their application.

HLTH 3500 Drugs in the Athletic Environment (3 units)

(Formerly Drugs and the Athletic Environment) (Formerly HLTH 2300.) Analysis of therapeutic sports drugs, ergogenics, illicit and/or recreational drugs. Reviews drug use policies and banned drugs of the IOC, the sports associations, and the NCAA. Examines the socio-economic, legal, and ethical health implications in the athletic environment. Satisfies G.E. area F3.

HLTH 4165 Survey of Elementary School Health and Safety (1 unit)

Survey of local, state, and federal statutes and policies related to the health and safety of elementary school children. Reviews comprehensive school health and introduces the California Health Framework. Presents ways to teach health education in California.

HLTH 4200 Elementary School Health and Safety (3 units)

(Formerly HLTH 3200) Health and safety issues related to elementary school children. Review of comprehensive school health programs for elementary schools. Includes nature and scope of Health Instruction Framework for California Public Schools. Prerequisite: Current CPR certification: American Heart Association–Heart Saver, or American Red Cross–Community Level.

HLTH 4210 Secondary School Health and Safety (3 units)

(Formerly HLTH 3200) Health and safety issues related to secondary school youth. Review of comprehensive school health programs for secondary schools. Includes nature and scope of Health Instruction Framework for California Public Schools. Prerequisite: Current CPR certification: American Heart Association–Heart Saver, or American Red Cross–Community Level.

HLTH 4215 Survey of Secondary School Health and Safety (1 unit)

Survey of local, state, and federal statutes and policies related to the health and safety of secondary school children. Reviews comprehensive school health and introduces the California Health Framework. Presents ways to teach health education in California.

HLTH 4300 Family Health (3 units)

Analysis of health in the family in today's multicultural society. Reviews relationship options, personal qualifications for marriage, sexually transmitted infections (STIs), family planning options, pregnancy, prenatal care, children's diseases, and other family issues. Satisfies G.E. area F3 and G. Prerequisite: Junior standing.

HLTH 4500 Health in a Diverse Society (3 units)

Will increase awareness of the dimensions and complexities involved in teaching health to people from diverse cultural backgrounds. Emphasis on traditional views of health in various cultures.

HLTH 4600 Health and Fitness Assessment (3 units)

Selected areas of health and fitness screening and evaluation. Compiling information for life-style prescription and counseling. Corequisite: HLTH 4602. Prerequisites: PHED 4300, HLTH 3100, junior standing. Limited to physical education majors or consent of instructor. (Lecture, 2 hours; laboratory, 3 hours)

HLTH 4650 Health and Fitness Program Design (3 units)

Development of health and fitness programs utilizing principles of fitness conditioning and health and fitness assessment. Introduce principles and procedures of program management as applied to health and fitness programs for setting such as schools, businesses, and the community. Prerequisites: HLTH 4600 and junior standing. Limited to physical education majors or consent of instructor.

HLTH 4940 Fieldwork or Practicum in Health (1-2 units)

(Formerly HLTH 4900) Designed for students interested in gaining either off-campus (fieldwork) or on-campus (practicum) experience in teaching health, or in athletic training or wellness settings. Prerequisite: Consent of department chair.

HLTH 4980 Individual Study (1-4 units)

Individual study is designed for students capable of independent work in need of advanced or specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of department chair.

College of Human and Health Sciences

Gary Novak, Ph.D., *Founding Dean*

Margaret Hodge, Ed.D., *Chair, Department of Nursing*

Gina Pallotta, Ph.D., *Chair, Department of Psychology*

Margaret Tynan, Ph.D., *Chair, Department of Social Work*

Rita Asher, Ph.D., *Program Director, Child Development*

Jennifer Esterly, Ph.D., *Director, Child Development Center*

William Potter, Ph.D., *Program Director, Graduate program in Psychology*

Office: Vasché Library — L165

Phone: (209) 667-3155

In Spring 2006, California State University, Stanislaus created the College of Human and Health Sciences, composed of the departments of Nursing, Psychology, and Social Work. The College of Human and Health Sciences teaches students the basic and applied scientific principles of their chosen disciplines, preparing them to provide health and/or human services to individuals, families, groups and communities. CHHS endeavors to produce graduates who demonstrate the highest ethical standards in both research and practice and who exhibit sensitivity, altruism, autonomy, integrity, social justice, and competence in their practice with economically and culturally diverse populations.

Programs are listed alphabetically within the department that houses them. When a program is housed within the college but not assigned to a specific department, it is listed first.

Child Development Center

Jennifer Esterly, Ph.D., *Director*

Christina Wallace, B.A., *Assistant Director*

Office: Educational Services Building

Phone: (209) 667-3036

The Child Development Center is a laboratory preschool and infant toddler center where University students, young children, and their parents are empowered to construct knowledge about the world.

The California State University, Stanislaus Child Development Center (CDC) is an instructional facility established to teach university students about child development— theory and applications, program design and evaluation, and research. Students from varied disciplines such as child development, communication studies, education, music, and psychology participate at the CDC each semester. By participating in laboratory courses, students learn to observe children and record their behaviors, assess children's development, plan and evaluate developmentally appropriate activities, and design and implement research projects.



The CDC offers 15 paid internships to CSU Stanislaus students. Interns also earn academic credit each semester. CSU Stanislaus has the only child development laboratory in the CSU that employs students as head teachers, instructional aides, and administrators. As students complete coursework and gain experience, they compete for increasingly challenging positions. Interns at the CDC gain experience teaching young children, supervising college students, and sharing administrative duties. All college student participation at the Child Development Center is coordinated with university courses to provide supervised practicum experiences.

Fieldwork, laboratory and salaried experiences at the Child Development Center are applicable for California Child Development Permits and meet California Department of Social Services Community Child Care Division licensing requirements. For additional information regarding the internship program, contact Dr. Jennifer Esterly, Director.

Department of Nursing

Margaret Hodge, Ed.D., *Chair*

Professors: Clark, Hodge, Katsma

Assistant Professors: Alcalá-Van Houten, Keswick, Marek, Martin, C., Perea-Ryan, Tavernier, Wikoff

Office: Demergasso-Bava Hall — DBH 260
Phone: (209) 667-3141

Bachelor of Science in Nursing

Registered Nurse to Bachelor of Science in Nursing Track Pre-licensure Track

The Department of Nursing offers the BSN program, which is accredited by the Commission on Collegiate Nursing Education (CCNE). The Pre-licensure track is approved by the California State Board of Registered Nursing. The department is a member of the American Association of Colleges of Nursing.

Bachelor of Science in Nursing

The Department of Nursing offers two tracks leading to a Bachelor of Science degree in Nursing: 1) the RN to BSN track and 2) the Pre-licensure or basic nursing track. The RN to BSN track, designed to meet the needs of working registered nurses, is offered on a part-time or full-time basis on the Turlock campus and on the Stockton campus for part-time students with a cohort of 15 students. The Pre-licensure track is offered only on a full-time basis on the Turlock campus.

Baccalaureate nursing education is an integration of liberal education including the arts and humanities, and the social, physical, and biological sciences. It prepares graduates to practice as professional nurses in all nursing care settings and to continue in graduate study.

RN to BSN Track Admission Requirements for Upper-Division Nursing Major

Students seeking to enter the program must have

1. A current license as a Registered Nurse in California,
2. Completed 60 semester units of baccalaureate-level transferable college credit,
3. Completed an AD or Diploma in nursing with a minimum of 30 semester units of nursing coursework, with a grade of C or better in each course,
4. Completed at least half of the University's General Education breadth requirements, including college-level English composition, mathematics, and critical thinking, with a grade of C or better,
5. Completed an acceptable college-level chemistry course, equivalent to CHEM 1000, of at least 3 semester units with a grade of C or better,
6. Gained admission to the University with an overall grade point average of 2.0 or better, **and**
7. Gained admission to the Department of Nursing.

Registered nurses not in the nursing program may take NURS 3000, 3100, 3200, or 3600 with consent of instructor or department chair.

In addition to the 26 or 27 units in the nursing major, the Nursing Department will allow up to 15 upper division units of validated credit for equivalent nursing course work completed in preparation for nursing licensure. Validation of these units will be allowed, by challenge, upon successful completion of: NURS 3100, Professional Nursing, NURS 3000 Health Assessment, and NURS 3600, Transcultural Nursing Care. See Nursing Department for validation process.

Requirements — RN to BSN Track

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum including transferable General Education units).
2. Complete the major of 26 or 27 upper-division units. NURS 4240 must be taken CR/NC. All other courses must be taken for a letter grade.
3. Complete 9 upper-division units which meet the upper-division General Education requirements. Completion of a minor is not required.
4. All prerequisite courses to enter the Nursing program must be completed with a grade of C or better.

The Major — RN to BSN Track (26 or 27 units)

Note: Must be a registered nurse to take these courses.

Complete the following courses:

NURS 3000 Health Assessment, 3 units*
NURS 3100 Professional Nursing, 3 units
NURS 3200 Pathophysiological Concepts Applied to Nursing, 3 units*
NURS 3310 Nursing Leadership and Management (WVP), 4 units
NURS 3600 Transcultural Nursing Care, 3 units
NURS 3700 Introduction to Nursing Research, 3 units
NURS 4010 Issues Facing the Profession, 3 units
NURS 4210 Advanced Clinical Nursing Practicum, 3 units **or**
NURS 4240 Advanced Clinical Nursing, 2 units
NURS 4400 Community Health Nursing, 3 units
NURS 4410 Community Health Nursing Practicum, 3 units

* These courses may be challenged based on student preparation.

Typical Student Program

Full-time students normally complete the program in three semesters and attend nursing classes two days a week. Part-time students normally complete the program in five semesters and attend nursing classes one day a week. Full-time and part-time schedules can be obtained from the Nursing Department Web site.

Note: NURS 3100 is recommended as the beginning class for part-time students; other first-semester courses may be taken simultaneously or G.E. can be taken as needed. Not all courses are offered every semester. Full-time students have priority for course enrollment; however, clinical site geographic locations are not guaranteed.

Pre-licensure BSN Track (Basic Nursing)

The Department offers a Pre-licensure nursing track leading to the Bachelor of Science Degree in Nursing. Graduates are eligible to sit for the NCLEX exam after graduation.

Incoming freshmen should have taken high school chemistry with a lab, biology with a lab, and at least three years of college prep math. Transfer students need to adhere to the CSU transfer policies. (See transfer requirements in the Admission section of this catalog, or inquire at Enrollment Services.). Nursing-bound students should list "Pre-Nursing" as the university major. This does not, however, guarantee a seat in the Pre-licensure track.

It is an impacted program with supplemental criterion for permission to enroll in the program and is competitive.

Note: When applying for licensure in California, the applicant is required to obtain clearance from the Department of Justice and to report any misdemeanor or felony conviction(s) to the Board of Registered Nursing (BRN). Some convictions may result in denial of licensure. The BRN determines cases individually and the Department of Nursing has no jurisdiction over such decisions.

Minimum Admission Requirements for the Pre-licensure Nursing Major**Prerequisites or Equivalent for the Pre-licensure Track**

1. ENGL 1001 First-Year Composition, ENGL 1002, or ENGL 1005
2. ZOOL 2230/2232 Physiology and Lab
3. ZOOL 2250/2252 Human Anatomy and Lab
4. CHEM 2090/2092 or CHEM 3010 Biochemistry or Organic Chemistry
5. ENGL 2000, PHIL 2000, 2100 or 2005 Critical Inquiry, Philosophical Inquiry, Logic, or Honors Critical Thinking
6. COMM 2110 or COMM 2000 Group Discussion Processes or Public Speaking
7. MATH 1600 Statistics
8. MBIO 2010/2012 Microbiology for Nursing and Lab **or**
MBIO 3010/3032 Bacteriology and Lab

Note: MBIO 2010/2012 is only offered summer term. (Subject to change.)

Non-CSU Stanislaus students seeking admission to the Nursing Pre-licensure Program for the Fall semester must submit an application for admission to the University during the priority admission application filing period, (See the Admission section in this catalog for priority filing period and sources of application forms.)

The nursing program starts the semester after students have completed the required prerequisites. Students need to be admitted to the University in order to apply to the nursing program. The application period for fall admission to the nursing program is January to February 28th; spring admission application period is September to October 15. Only completed applications will be accepted. Nursing applications are submitted directly to the Department of Nursing. Official transcripts for all prerequisite and/or general education courses taken at colleges or universities must accompany the application, including CSU Stanislaus transcripts. Applications are available on-line and at the nursing office.

Forty students will be enrolled in the Pre-licensure program each fall and 30 each spring. Half of the prerequisite courses must be completed at the time of application to the program, including at least two science prerequisite courses. Remaining prerequisite courses may be in progress at the time of the nursing application. For fall entry, one course may be taken in the summer prior to entry. Evidence of completion or work in progress is required for the application. For selected applicants, a final grade of C or better in an outstanding course is required to enter the program.

This is an impacted program and supplemental criteria are used for the selection of students. Applicants must have a minimum overall GPA of 3.0, a GPA of 2.75 in the prerequisite science courses, a GPA of 2.75 in other prerequisite courses, and complete the ATI Test of Essential Academic Skills with a minimum score. No more than two prerequisite courses may be repeated once.

Applicants are ranked according to the following formula:

Overall GPA - 20%

Science Prerequisite GPA - 20%

Other Prerequisite GPA - 20%

ATI Test of Academic Skills - 20%

Up to 20% can be earned for the following:

- a. Continuing CSU Stanislaus student with last 10 units completed on campus
- b. California residency
- c. Permanent residency in Calaveras, Mariposa, Merced, San Joaquin, Stanislaus, or Tuolumne counties (the CSU Stanislaus service region)
- d. Health care experience
- e. Bilingual

Criteria subject to change; contact department.

Note: California residents are given preference over out-of-state and international students as long as the program is on impacted status.

Requirements — Pre-licensure BSN Track

1. Complete University General Education requirements for the Bachelor of Science degree (51 units minimum including transferable General Education units)
2. Complete the major of 64 units. All courses are taken for a letter grade.
3. Complete 9 upper-division units which meet the upper-division General Education requirements (6 units are designated as co-requisites in the nursing program.)
4. All prerequisite courses to enter the Pre-licensure track must be completed with a C or better.

The Major — Pre-licensure BSN Track (64 units)

NURS 1040 Human Development Over the Life Span, 3 units
 NURS 2800 Introduction to Nursing, 2 units
 NURS 2820 Basic Skills in Nursing, 3 units
 NURS 2850 Introduction to Pharmacology and Nutrition, 2 units
 NURS 2860 Pharmacology in Nutrition, 2 units
 NURS 2900 Adult Health Nursing I, 4 units
 NURS 2910 Adult Health Nursing I Clinical, 3 units
 NURS 3000/3002 Health Assessment/Lab, 3 units
 NURS 3320 Pre-licensure Nursing Leadership and Management (VVP), 3 units
 NURS 3700 Introduction to Nursing Research, 3 units
 NURS 3800 Pediatric Nursing, 3 units
 NURS 3810 Pediatric Nursing Clinical, 2 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 4010 Issues Facing the Profession, 3 units
 NURS 4230 Pre-Licensure Advanced Clinical Nursing Practicum, 4 units
 NURS 4400 Community Health Nursing, 3 units
 NURS 4410 Community Health Nursing Practicum, 3 units
 NURS 4800 Adult Health Nursing II, 3 units
 NURS 4810 Adult Health Nursing II Clinical, 3 units
 NURS 4820 Pre-licensure Seminar, 2 units

Corequisites — Pre-licensure BSN Track

(12 units of the required General Education units)
 SOCL 1010 Introduction to Sociology (D.2.a), 3 units
 PSYC 2010 Introduction to Psychology (D.2.b), 3 units
 CS 4000 Personal Computing (F.1), 3 units
 PHIL 4401 Professional Ethics (F.2), 3 units

Continuance in the Nursing Major (both tracks)

Students must maintain a minimum grade of C– (73%) in courses constituting the nursing major. Students must have completed MATH 1600 Statistics, or an equivalent, with a grade of C or better for progression in the major, and as a prerequisite to NURS 3700 Introduction to Nursing Research.

With department approval, a student may repeat a nursing course once. If class enrollment is limited, priority will be given to students who maintain regular progress in the program. Only two nursing courses may be repeated. Students repeating nursing courses must earn grades of C– (73%) or better to remain in the program and may not progress until these have been successfully completed.

A student whose pattern of behavior is found to be unsafe may be terminated from a clinical practicum at any time during the semester and receive a non-passing grade for the course. The consequence of unsafe practice may result in expulsion from the program. See Nursing Student Handbook for current information.

Program Requirements for RN to BSN and Pre-licensure BSN Tracks

From the time a student enters the program and until graduation, the student must have the following:

- Continuous Malpractice Insurance — \$1 million/\$3 million
- Continuous Health Insurance
- Current CPR Certification for Medical Professionals
- Annual TB skin test (some agencies require the two-step) or X-ray, with evidence of freedom from tuberculosis
- Measles, Rubella, HBV, and Varicella vaccination, or proof of immunity
- Current California driver's license and car insurance
- Current California RN license (for RN to BSN track only)
- Background check (for PL track only)
- Drug screening

In addition, some agencies may have additional requirements such as fingerprinting and clearance from the Department of Justice. See the Nursing Student Handbook for additional information on other liability and health requirements.

The University reserves the right to limit the enrollment of students in the nursing major to available space and clinical facilities.

Licensed Vocational Nurses

LVNs seeking an upgrade to BSN or LVN 30-unit option should visit the Web site or contact the Nursing Department regarding options.

Mission of the Department of Nursing

The mission of the Department of Nursing is to prepare baccalaureate-level registered nurses for the broad scope of professional nursing practice. The Department of Nursing is committed to creating a learning environment which encourages faculty, staff, and students in the department to realize their potential, to appreciate and contribute to the health and enrichment of diverse communities, to promote a caring attitude, to be leaders in their communities, and to develop a passion for lifelong learning.

Goal Statement of the Department of Nursing

To facilitate this mission, we promote academic excellence in the teaching and scholarly activities of our faculty, encourage personalized student learning, foster interactions and partnerships with our surrounding health care agencies, and provide opportunities for the intellectual, cultural, and professional development of the nursing community.

Student Learning Outcomes/Learning Objectives

A graduate with a Bachelor of Science, Nursing degree:

- Integrates knowledge from the liberal arts and sciences in making nursing judgments.
- Demonstrates professional values, which derive from the core value of caring: altruism, autonomy, human dignity, integrity, and social justice.
- Uses critical thinking as an integral part of all decision making.
- Demonstrates competent verbal, nonverbal, written, and technological communication in interdisciplinary settings.
- Performs accurate and comprehensive client assessments regarding health status that include the following: data collection, diagnoses, plan, interventions, and evaluation.
- Performs technical skills competently using healthcare technologies in nursing care situations.
- Utilizes knowledge of health promotion, risk reduction, and disease prevention, illness and disease management, and information and health care technologies as required in nursing interventions in varying health care situations.
- Practices within an ethical decision-making framework and follows legal guidelines.
- Modifies nursing interventions respecting culture-specific values, beliefs, and lifestyles of diverse populations.
- Appreciates the uniqueness and diversity of local, regional, and global environments that affect health care.
- Understands health care systems and policy, along with legal and regulatory processes, that impact nursing and health care delivery.
- Performs as a provider of care by using theoretical and research-based knowledge, and when developing partnerships with clients and interdisciplinary team members.
- Performs as a designer/manager/coordinator of care through leading, collaborating, delegating, negotiating, coordinating, and evaluating within interdisciplinary systems.
- Performs as a member of the nursing profession through lifelong learning, professional behavior, and advancement of the profession.

Course Descriptions**Lower Division****NURS 1040 Human Development Over the Life Span (3 units)**

Study of human development throughout the life span. Covers child, adolescent, and adult development. Focuses on the physical, cognitive, emotional, and social dimensions of each developmental stage. Application of age appropriate health promotion strategies. Open to all students. Satisfies G.E. area D2. (Lecture, 3 hours)

NURS 2040 Better Health with Self-Care (2 units)

Study of basic human needs in a complex society. Main focus is self-care during health, developmental, and lifestyle changes. Persons will be studied in relation to their psychosocial-cultural and physiological needs. Open to all students. Satisfies G.E. area E1. (Lecture, 2 hours)

NURS 2042 Better Health with Self-Care Activity (1 unit)

A self-analysis of the student's own lifestyle behaviors in relation to health and wellness. Focus is on strategies to improve wellness. Satisfies G. E. area E1. Concurrent enrollment in NURS 2040 is required. (Activity, 2 hours)

NURS 2800 Introduction to Nursing (2 units)

Introduction to the discipline of nursing including history, theories, values, communication, and professional roles. The mission, philosophy, goals, and objectives of the CSU Stanislaus nursing program are included. Prerequisite: Admission to the Nursing major. For Pre-licensure students.

NURS 2820 Basic Skills in Nursing (3 units)

Prepares students to perform basic nursing skills based on mastery of core scientific principles. Prerequisite: Admission to the nursing major, Pre-licensure track.

NURS 2850 Introduction to Pharmacology and Nutrition (2 units)

(Formerly NURS 2840) Introduction to basic principles of nutrition and pharmacology for patients of all ages. Nutrition component stresses general nutrition concepts with a focus on health promotion and therapeutic nutrition. Pharmacology focus is related to overview of pharmacology, review of pharmacokinetics, drug classifications, medication administration, and utilization of nursing drug books, emphasizing today's most common drug therapies. Prerequisite: Admission to the Nursing major or consent of instructor.

NURS 2860 Pharmacology in Nursing (2 units)

Builds on Introduction to Pharmacology and Nutrition with an increased focus on pharmacokinetics, pharmacodynamics, and therapeutic implications. Pharmacology content is closely aligned with common acute and chronic illness. Prerequisite: Admission to the Nursing major or consent of instructor.

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, NURS 2840, and NURS 3000/3002. To be taken concurrently with NURS 2910.

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. Corequisite: NURS 2900.

Upper Division**NURS 3000 Health Assessment (3 units)**

Assists the student in assuming new responsibilities for determining health status and self-care needs of individuals. Focus is on history taking, physical examination, and determining nursing diagnoses. Corequisite: NURS 3002. (Lecture, 2 hours; laboratory, 3 hours) (Fall, Spring)

NURS 3040 Women's Health (3 units)

Presents an overview of health care issues faced by women throughout the life cycle. Begins with an examination of scientific inquiry and a biological review of the female body. Specific health care problems common to women throughout the life span are addressed. The roles, rights, and responsibilities of women in the health care system are discussed. Encompasses a women-centered philosophy that encourages women's active participation in their health care decisions. Open to all upper-division students. Satisfies G. E. area F3. (Lecture, 3 hours)

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. This is a three-week course held in Mexico. (Winter)

NURS 3100 Professional Nursing (3 units)

Introduces nursing concepts and theories with an emphasis on professionalism, caring, self-care, communication, and teaching/learning. (Lecture, 3 hours) (Fall)

NURS 3310 Nursing Leadership and Management (WP) (3 units)

Focuses on the professional nursing roles of designer, manager, and coordinator. Presents theories of leadership, management, organization, planned change, and power. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. (Lecture, 3 hours) (Fall)

NURS 3320 Pre-licensure Nursing Leadership and Management (WP) (3 units)

Focuses on the professional nursing roles of designer, manager, and coordinator of care for the pre-licensure nursing student. Presents theories of leadership, management, organization, planned change, and power. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. For Pre-licensure students or consent of instructor. (Lecture, 3 hours) (Fall)

NURS 3600 Transcultural Nursing Care (3 units)

Provides the theoretical and experiential foundation for nurses to safely and effectively meet the health care needs of culturally diverse clients in a variety of practice settings. (Lecture 3 hours) (Fall)

NURS 3700 Introduction to Nursing Research (3 units)

(Formerly NURS 4100) Introduction to basic concepts of nursing research. Emphasis on evaluation of research and application of findings in nursing practice. Prerequisite: MATH 1600 or its equivalent, NURS 2800 (Pre-licensure), or consent of instructor. (Lecture, 3 hours) (Fall, Spring)

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. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3810.

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. Prerequisites: NURS 3820 and NURS 3830 or consent of instructor. To be taken concurrently with NURS 3800. *Note: Some clinical hours may take place in a regional children's hospital.*

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. Prerequisites: NURS 2900 and NURS 2910 or consent of instructor. To be taken concurrently with NURS 3830.

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 2900 and 2910 or consent of instructor. To be taken concurrently with NURS 3820.

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.

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.

NURS 4010 Issues Facing the Profession (3 units)

Focuses on current trends and issues central to the profession of nursing. Critical thinking processes are applied to the examination of historical, political, economic, educational, professional, legal, ethical, and global issues related to nursing and health care. Prerequisite: Senior standing in the nursing major. (Lecture, 3 hours) (Fall, Spring)

NURS 4040 Health Care and The Older Adult (3 units)

Course focuses on wellness and healthy aging, the health-illness continuum, common health problems of the elderly, care issues, and end-of-life care. Course is an elective in the Gerontology Certificate Program. It is open to other upper-division students. (Spring in alternating years.)

NURS 4210 Advanced Clinical Nursing Practicum (3 units)

Student-designed study focusing on the area of clinical practice of their choice. This is an opportunity for students to explore new areas of practice under the guidance of nursing faculty and community-based preceptors. Prerequisite: Senior standing in the nursing program.

NURS 4230 Pre-licensure Advanced Clinical Nursing Practicum (4 units)

Student-designed study focusing on the professional nursing roles of designer, manager, and coordinator of care. Students have an opportunity to explore an area of clinical practice of their choice. Corequisite: NURS 4820. Prerequisite: Completion of all nursing courses except completion or concurrent enrollment in NURS 4400, 4410, and 4010. (Spring)

NURS 4240 RN to BSN Seminar (2 units)

Seminar discussion of theoretical components of nursing applied in clinical practice. Problems and experiences in the clinical setting are correlated with current literature and theories. Must be taken the last semester in the program. Students must be working in clinical practice at the time of taking the course to enroll.

NURS 4310 Advanced Clinical Nursing II (3 units)

Elective continuation of NURS 4210. Prerequisites: Senior standing in Nursing program and completion of NURS 4210. (Laboratory, 9 hours) (Fall, Spring)

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 4800, 4810 (for Pre-licensure). Concurrent enrollment in NURS 4410 recommended. (Spring)

NURS 4410 Community Health Nursing Practicum (3 units)

(Formerly NURS 3410) Clinical experience in community health agencies under the leadership of nursing faculty. Prerequisites: NURS 3000, 3100, 3310, 3600 (RN to BSN); NURS 4800, 4810 (for Pre-licensure). (Laboratory, 9 hours) (Fall, Spring) *Note: If NURS 4400 and 4410 are not taken concurrently, NURS 4410 must be taken the semester immediately following NURS 4400.*

NURS 4600 NCAST II Nursing Child Assessment (4 units)

Provides an opportunity to gain an understanding of the role of environmental conditions, parent/child characteristics and their interactions. Measurement and meaning of the interaction, as well as identification, of problems and interventions will be highlighted. Open to all majors. (Winter, on demand)

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.

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.

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. Corequisite: NURS 4230. Prerequisite: Completion of or concurrent enrollment in all required Pre-licensure nursing courses.

NURS 4950 Selected Topics in Nursing (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic or a set of related topics in nursing. Topics vary each term, thus different topics may be taken for credit to a maximum of 12 units. Prerequisite: Consent of instructor. (Offered on demand)

NURS 4960 Senior Seminar (1-4 units)

Seminar for seniors in nursing. Review and discussion of selected topics in nursing. Each student is expected to report on an individual project. Prerequisite: Consent of instructor. (Offered on demand)

NURS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Offered on demand)

Department of Psychology

Gina M. Pallotta, Ph.D., *Chair*

Professors: Asher, Cortez, Hesse, Howard, Myers, Nelson, Novak, Stanislaw, Wakefield

Associate Professors: Baker, Pallotta, Potter, Roy, Strongin

Assistant Professors: Carlstrom, DeLancey, Esterly, Henk

Office: Bizzini Hall 231

Phone: (209) 667-3386

Bachelor of Arts in Psychology with a concentration in Developmental Psychology or Experimental Psychology

Master of Arts*

Master of Science*

with a concentration in Behavior Analysis or Counseling Psychology

*See the Graduate Catalog.

The University offers a Bachelor of Arts in Social Sciences with an interdepartmental major in Psychology and any other two disciplines within the Social Sciences. (See the Social Sciences section, this catalog.)

Child Development

Rita Asher, Ph.D., *Program Director*

Professors: Asher, Cortez, Novak

Associate Professor: Roy

Assistant Professor: DeLancey, Esterly, Henk

Office: Bizzini Hall 231

Phone: (209) 667-3386

Bachelor of Arts in Child Development Child Development Graduate Certificate* Liberal Studies degree concentration in Child Development

*See the Graduate Catalog.

Undergraduate Competencies

The undergraduate program is organized around six broad competencies —child development knowledge/foundations; the research process; legal, ethical and pragmatic issues; leadership; child guidance, and integration of a personal/professional world view. Students are introduced to these competencies in CDEV 3000 Professional Issues in Child Development, at the beginning of their program, and compile a professional portfolio to document their progress throughout their academic program. These portfolios are presented at the end of the program in CDEV 4965, Senior Seminar.

Bachelor of Arts in Child Development

The program leading to a Bachelor of Arts, Child Development provides students with a background of knowledge and skills in child growth and development. The degree is housed in the Department of Psychology. Courses are selected from child development, psychology, and related fields, and include laboratory and field experiences at the CSU Stanislaus Child Development Center as well as other applied settings.

All students are expected to:

1. Complete a professional development class;
2. Complete a core of required courses;
3. Complete one of the tracks described; and
4. Complete a capstone senior seminar and corequisite internship.

Tracks are designed to provide students with specialized knowledge and abilities in the following areas of child development:

1. Working as teachers and administrators of child development programs (Child Programs Track);
2. Pursuing advanced studies or research careers in education, psychology, social sciences, special education, and child development (Child Research Track);
3. Serving the social welfare and guidance needs of young children, parents, families, and the community (Child Services Track).

A General Track is available for those students who wish to tailor their academic programs to a particular developmental focus. A general track plan must be developed with an academic adviser and submitted to the Child Development Committee for approval prior to completing courses.

Follow the instructions on the general track plan form. General tracks must include 12 units of upper-division coursework including an application component to be approved. Course that do not appear on the list of approved CDEV electives must be accompanied by departmental petitions.

Students should note that Senior Seminar and Internship are required assessment courses for the Child Development Major. The seminar is integrated with a senior internship that culminates the student's educational plan and relates to the student's track and prospective career. Students may not take these courses until they have met all prerequisites.

Students should take Senior Seminar in the last semester of coursework and should consider carefully the amount of time that will be required to complete successfully the course and internship.

Students should plan for participation in a field site for approximately 6 hours per week throughout the entire semester, strict class attendance, and group participation on arranged time with classmates and professional persons. Finally, students should consider that the semester project includes the preparation and presentation of individualized professional portfolios, demonstrating individual achievement of the program's competencies. See departmental information regarding prerequisites and enrollment procedures for these classes.

Students pursuing authorization to teach in public elementary schools must complete a Multiple Subject Credential concurrent with or upon completion of the baccalaureate.

There are two routes to the credential:

1. Completion of the Child Development major;
2. The Liberal Studies major with a Child Development Concentration, described in the Liberal Studies section of this catalog. Students may wish to consult their advisers before choosing their major.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the lower-division prerequisites to the major plus major requirements of not less than 37 units of approved upper-division coursework as outlined.
3. Community college transfer students with an Associate of Arts in child development or early childhood education, upon advisement, may waive CDEV 3140, and complete the remainder of required coursework, plus additional upper-division coursework for a total of 37 units.
4. Community college transfer students without an Associate of Arts in child development or early childhood education must complete course requirements as outlined for a minimum total of 37 units of approved upper-division coursework.
5. All students must take at least one non-research child development laboratory course in residence at CSU Stanislaus. All students must complete CDEV 3010, Child Abuse and Neglect, prior to enrollment in the following lab courses: CDEV 3020, CDEV 3181, CDEV 3320, CDEV 3550, CDEV 3440, CDEV 4180 and 4190, or CDEV 4280.
6. Child development majors must take all courses counted toward the major for a letter grade if the letter grade option is available. In addition, no more than 6 units of credit-graded coursework may apply toward the major.
7. A maximum of 6 units of combined coursework in field work and internships may be counted toward the major with approval by the major adviser.

Notes:

- a. Courses listed in the tracks are offered on a rotation basis. Students should check with advisers/departments for scheduled semesters and times.
- b. Prior to Winter 1996, Child Development courses were noted by a PSYC prefix.

- c. The following courses are recommended for students who anticipate pursuing graduate work:
 - CDEV 4000 Child Development Research Methods, 3 units
 - MATH 1600 Statistics, 4 units
 - PSYC 3000 Experimental Methods and Design, 4 units
 - PSYC 4120 Human Development Research Seminar (WP), 3 units

Complete the following prerequisites to the major (10 units):

- BIOL 1010 Principles of Biology, 3 units and
- BIOL 1020-1029 Special Laboratory Studies, 1 unit
- PSYC 2010 Introduction to Psychology, 3 units
- PSYC 2020 Introduction to Psychological Methods, 3 units

The following lower-division courses also are recommended:

- ANTH 2060 Introduction to Cultural Anthropology, 3 units, **or**
- ANTH 2080 Introduction to Physical Anthropology, 3 units
- SOCL 1010 Introduction to Sociology, 3 units

The Major (37 units)

- I. Complete the following required upper-division core (25 units):
 - a. Complete all of the following courses:
 - CDEV 3000 Professional Issues in Child Development, 3 units
 - CDEV 3010 Child Abuse and Neglect, 1 unit
 - CDEV 3140 Human Development I: Childhood, 3 units
 - CDEV 3170 Early Cognitive Development, 3 units
 - CDEV 3180 Early Social and Emotional Development, 3 units
 - b. Select one of the following Application courses (may not cross count with any other part of CDEV major):
 - CDEV 3020 Child Guidance and Management, 3 units, **or**
 - CDEV 3181 Early Childhood Development, 3 units, **or**
 - CDEV 3320 Infant Development and Group Care, 3 units, **or**
 - CDEV 3440 Developmental Assessment, 3 units, **or**
 - CDEV 3550 Early Intervention with High-Risk Children, 4 units **or**
 - CDEV 4180 Developmental Programs for Preschool Children, 3 units **and**
 - CDEV 4190 Developmental Programs Laboratory, 1 unit **or**
 - CDEV 4280 Development of Social Cognition, 3 units
 - c. Select one of the following Life Span courses:
 - CDEV 3240 Human Development II: Adolescence, 3 units, **or**
 - CDEV 3340 Human Development III: Adulthood and Aging, 3 units
 - d. Select one of the following Family courses:
 - ANTH 4165 The Family in Cross-Cultural Perspective, 3 units, **or**
 - ETHS 4000 The Mexican American Family, 3 units, **or**
 - ETHS 4010 The African American Family, 3 units, **or**
 - ETHS 4030 Asian American Families, 3 units, **or**
 - SOCL 3150 The Family, 3 units
 - e. Complete both of the following capstone courses:
 - CDEV 4965 Child Development Senior Seminar, 1 unit, **and**
 - CDEV 4948 Child Development Senior Internship, 2 units

2. Complete one of the following tracks (12 units):
- a. **Child Development Programs Track**
 - i. Complete the following (8 units):
CDEV 4180 Developmental Programs for Preschool Children, 3 units, **and**
CDEV 4190 Developmental Programs Laboratory, 1 unit
CDEV 4960 Organization and Administration of Early Childhood Education Programs, 4 units
 - ii. CDC Internships (2 units minimum):
CDEV 4945 Internship at Child Development Center as Instructional Aide, 1 unit, **or**
CDEV 4946 Internship at Child Development Center as Head Teacher, 2 units, **or**
CDEV 4947 Internship at Child Development Center as Assistant Administrator, 2 units
 - iii. CDEV 4940 Fieldwork in Child Development (2 units minimum)
 - b. **Child Development Research Track**
 - i. Complete the following: (12 units)
SSCI 3000 Library Resources for the Social Sciences, 2 units
PSYC 3000 Experimental Methods and Design, 4 units
PSYC 4120 Human Development Research Seminar (WVP), 3 units
CDEV 4000 Child Development Research Methods, 3 units
 - c. **Child Development Services Track**
 - i. Complete the following: (9 units)
PSYC 4130 Psychological Disorders of Children, 3 units
PSYC 4150 Learning Disabilities, 3 units
SOCL 4790 Social Welfare Services, 3 units
 - ii. CDEV 4940 Fieldwork in Child Development (3 units minimum)
 - d. **General Track** A general track plan must be developed with the student's academic adviser and submitted for the Child Development Committee's approval. Select 12 units of upper-division classes from the following:

Electives:

- ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
CDEV 3020 Child Guidance and Management, 3 units
CDEV 3040 Child Development in Cultural Context, 3 units
CDEV 3181 Early Childhood Development, 3 units
CDEV 3240 Human Development II: Adolescence, 3 units
CDEV 3320 Infant Development and Group Care, 3 units
CDEV 3340 Human Development III: Adulthood and Aging, 3 units
CDEV 3440 Developmental Assessment, 3 units
CDEV 3550 Early Intervention with High-Risk Children, 4 units
CDEV 4000 Child Development Research Methods, 3 units
CDEV 4180 Developmental Programs for Preschool Children, 3 units, **and**
CDEV 4190 Developmental Programs Laboratory, 1 unit
CDEV 4280 Development of Social Cognition, 3 units
CDEV 4940 Field Work in Child Development, 1-2 units (must be approved by adviser)
CDEV 4945 Internship at Child Development Center as Instructional Aide, 1 unit
CDEV 4946 Internship at Child Development Center as Head Teacher, 2 units

- CDEV 4947 Internship at Child Development Center as Assistant Administrator, 2 units
CDEV 4950 Selected Topics in Child Development, 1-4 units
CDEV 4960 Organization and Administration of Early Childhood Education Programs, 4 units
CDEV 4980 Individual Study, 1-3 units
CDEV 4990 Senior Honors Thesis, 3 units
COMM 3010 Language and Speech Development, 3 units
COMM 3400 Oral Interpretation of Children's Literature, 3 units
ENGL 4620 Children's Literature, 3 units
ETHS 4000 The Mexican American Family, 3 units
ETHS 4010 The African American Family, 3 units
ETHS 4030 Asian American Families, 3 units
MUS 3340 Music in Elementary School, 3 units, **or**
MUS 3341 Music for the Classroom Teacher, 3 units
PHED 3400 Elementary Physical Education, 3 units
PSYC 3700 Introduction to Learning and Motivation, 3 units
PSYC 4110 Behavior Genetics, 3 units
PSYC 4120 Human Development Research Seminar (WVP), 3 units
PSYC 4130 Psychological Disorders of Children, 3 units
PSYC 4150 Learning Disabilities, 3 units
SOCL 3150 The Family, 3 units
SOCL 3160 Sociology of Youth, 3 units
THEA 3020 Children's Theatre, 3 units, **or**
THEA 4020 Performance for Children, 4 units

Liberal Studies Concentration in Child Development

Please refer to the Liberal Studies section of the catalog.

State of California Children's Center Permits

California requires that individuals who serve as teachers and administrators of funded child development programs hold permits issued by the California Commission on Teacher Credentialing. See your academic adviser for coursework that is likely to meet these requirements. Applications for the Child Center Permit may be picked up at the University Credential Processing Center at Demergasso-Bava Hall 303.

Learning Objectives

- Child Development Knowledge/Foundations: Graduating students will demonstrate a strong understanding of the child development theories, developmental knowledge, contemporary issues and the relationship between theory and research.
- The Research Process: Students will demonstrate information competency, the ability to critically evaluate research, and an understanding of research and developmental methods as well as ethical issues related to doing research with children.
- Leadership: Students will have refined management and personal skills as well as the ability to work successfully in a team setting.
- Child Guidance: Students will demonstrate strong child guidance skills and an understanding of developmentally appropriate behavior.

- Integration: Students should be able to integrate what they have learned into a cohesive framework so that they can successfully argue a position on an issue and be able to speak of their personal worldview regarding child development.
- Legal, Ethical, and Pragmatic Issues: Students will be aware of children's rights, engage in advocacy for children, and demonstrate good moral character.

Course Descriptions

Upper Division

CDEV 3000 Professional Issues in Child Development (3 units)

Basic overview of the discipline of Child Development. Introduction to the developmental domains; research methodology including observation and recording techniques; professional issues; and leadership development. Discussion of current developmental research and applications. Introduction to program competencies and student assessment. Open only to CDEV majors. Prerequisites: PSYC 2010 and PSYC 2020 or consent of instructor. (Fall, Spring)

CDEV 3010 Child Abuse and Neglect (1 unit)

(Same as PSYC 3010) Child maltreatment will be examined from a variety of perspectives, including those of victims, perpetrators, mental health professionals, childcare workers and teachers, the legal system, and public policy makers. Issues addressed will include definitions, causes, consequences, assessment, reporting, treatment, and prevention of child abuse and neglect. Course content will cover all areas required by the State of California under AB 141.

CDEV 3020 Child Guidance and Management (3 units)

(Formerly PSYC 3020) Students will study theoretical models of guidance and management with implications for academic, home, and clinical settings. Direct application with a laboratory setting. Corequisite: CDEV 3022. Prerequisites: PSYC 2010, CDEV or PSYC 3010, and CDEV or PSYC 3140. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3030 Cognitive Development in School Settings (3 units)

Focuses on both general developmental trends and individual differences in cognitive abilities such as thinking, remembering, and learning with emphasis on performance of school-related tasks such as reading, writing, mathematics, science, and social studies. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

CDEV 3040 Child Development in Cultural Context (3 units)

Overview of Child Development in cultural perspective. Evaluation of the role of culture in the cognitive, social, emotional, and physical development of children. This course has an optional service-learning component. Satisfies G.E. areas F3 and G.

CDEV 3140 Human Development I: Childhood (3 units)

(Same as PSYC 3140) Basic principles of human development as they apply to infancy and childhood. Discussion of current developmental research and applications. Prerequisite: PSYC 2010 or consent of instructor. (Fall, Spring)

CDEV 3170 Early Cognitive Development (3 units)

(Formerly PSYC 3170) Theoretical, empirical, and applied issues in intellectual development, including development of perception, concepts, reasoning, communication, and memory. Various theorists such as Piaget, Montessori, and T.G.R. Bower will be discussed in different semesters. Prerequisite: CDEV or PSYC 3140 or consent of instructor. (Fall, Spring)

CDEV 3180 Early Social and Emotional Development (3 units)

(Formerly PSYC 3180) Examination of the child's interpersonal, emotional, and personality development, emphasizing theoretical issues and research. Specific topics addressed will include attachment, aggression, and pro-social behavior, parent-child relationships, and gender differences. Prerequisite: CDEV or PSYC 3140 or consent of instructor. (Fall, Spring)

CDEV 3181 Early Childhood Development (3 units)

(Formerly PSYC 3181) Laboratory analysis of children's social, cognitive, physical, and emotional development and individual differences. Participation in the Child Development Center's programs; implications for developmentally-appropriate programs and techniques. Corequisite: CDEV 3182. Prerequisites: CDEV or PSYC 3010, CDEV or PSYC 3140, and concurrent or previous enrollment in CDEV 3170 and 3180. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3240 Human Development II: Adolescence (3 units)

(Same as PSYC 3240) Examines basic developmental issues in adolescent development, including physical and psychological effects of puberty; cognitive, social, and personality development; and psycho-social problems. Discussion of current developmental research and application. Prerequisite: PSYC 2010 or consent of instructor.

CDEV 3320 Infant Development and Group Care (3 units)

Infant development through age 2.5 years and implications for group care. Focus will be on health, safety, nutrition, family involvement, assessment, and curriculum. Includes Child Development Center laboratory. Meets the California Department of Social Services (DSS) licensing regulations for teachers of infants and toddlers. Corequisite: CDEV 3322. Prerequisite: CDEV or PSYC 3010 or equivalent. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 3340 Human Development III: Adulthood and Aging (3 units)

(Same as PSYC 3340) Basic principles of adult development and aging from maturity to death are examined. Biological, psychological, and sociological aspects of development and aging are considered through discussion of relevant theory, research, and application. Satisfies G.E. area F3. Prerequisite: PSYC 2010 or consent of instructor.

CDEV 3440 Developmental Assessment (3 units)

(Formerly PSYC 3440) Introduction to basic issues and considerations in developmental assessment. Rationale for assessing perceptual-motor and cognitive abilities, emergent language abilities, and personal social maturity in children. Application of assessment procedures. Prerequisites: CDEV or PSYC 3010, CDEV or PSYC 3140, and concurrent or previous enrollment in CDEV 3170 and 3180.

CDEV 3550 Early Intervention with High-Risk Children (4 units)

(Same as PSYC 3550) Overview of early intervention theory and methodology. Rationale of home- and school-based efforts for infant and preschool children to become successful in an academic setting. Direct application of home-based interventions. Corequisite: CDEV 3553. Prerequisites: PSYC 2010, CDEV 3010 or PSYC 3010, and CDEV 3140 or PSYC 3140. (Lecture, 2 hours; activity, 4 hours) (Training, 16 hours — first two Saturdays of the semester)

CDEV 4000 Child Development Research Methods (3 units)

Covers the strategies and techniques involved in research with children. Issues of focus will include ethical concerns, methods for data acquisition, and designs for assessing developmental change. Prerequisite: PSYC 2020 or consent of instructor.

CDEV 4180 Developmental Programs for Preschool Children (3 units)

(Formerly PSYC 4180) An application of developmental theory to planning programs for individuals and groups of preschool-aged children. Includes: observing and recording child(ren)'s behavior, assessment of developmental needs, planning and implementing programs based upon assessment, evaluation of child(ren)'s development, and evaluating success of program. Corequisite: CDEV 4190. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and one of the following application courses: CDEV 3020, 3181, or 3440.

CDEV 4190 Developmental Programs Laboratory (1 unit)

(Formerly PSYC 4190) Laboratory work in the Child Development Center. Corequisite: CDEV 4180. Prerequisites: PSYC 3010 and 3181.

CDEV 4280 Development of Social Cognition (3 units)

Overview of development of social cognition in children. Students evaluate the impact of emerging cognition on individual development and social relationships. Application with children in a lab setting. Corequisite: CDEV 4282. Prerequisites: CDEV/PSYC 3010, 3140, and CDEV 3170, or consent of instructor. (Lecture, 2 hours; laboratory, 3 hours)

CDEV 4940 Field Work in Child Development (1-2 units)

Work performed in schools, agencies, and institutions under joint supervision of the department and agency where assigned. May be repeated for credit. See catalog heading "Requirements for the Bachelor of Arts Degree in Child Development" for details regarding application to the major. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4945 Internship at Child Development Center as Instructional Aide (1 unit)

(Formerly PSYC 4945) Internship in program preparation. Participation at the Child Development Center as teacher's aide; assistance with curriculum planning, presentation and evaluation, under direct supervision of CDC director. May be repeated for credit. See catalog heading "Requirements for the Bachelor of Arts Degree in Child Development" for details regarding application to the major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4946 Internship at Child Development Center as Head Teacher (2 units)

(Formerly PSYC 4946) Internship in program preparation for teaching. Participation at the Child Development Center as head teacher under direct supervision of CDC director. May be repeated for credit. See catalog headings "Requirements for the Bachelor of Arts Degree in Child Development" or "Requirements for the Bachelor of Arts Degree, Psychology" for details regarding application to the respective major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4947 Internship at Child Development Center as Assistant Administrator (2 units)

(Formerly PSYC 4947) Internship at the Child Development Center as Assistant Administrator under direct supervision of CDC director. May be repeated for credit. See catalog heading "Requirements for the Bachelor of Arts Degree in Child Development" for details regarding application to the respective major. Meets partial satisfaction of the requirements for administration for the Department of Social Services Community Child Care Division. Prerequisite: Consent of instructor. (Fall, Spring)

CDEV 4948 Child Development Senior Internship (2 units)

(Formerly PSYC 4948) Students will intern in a university or community agency based on their chosen track in the Child Development major. Corequisite: CDEV 4965. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and senior standing. (Spring)

CDEV 4950 Selected Topics in Child Development (1-5 units)

(Topics to be specified in Class Schedule) Development of a specific area in child development. Topics will vary depending on instructor. Different topics may be taken for a total of 6 units. Corequisite: CDEV 4953. Prerequisite: Consent of instructor.

CDEV 4960 Organization and Administration of Early Childhood Education Programs (4 units)

(Formerly PSYC 4960) An overview of administration in early childhood education programs. Topics to be covered include program organization and curriculum development, staffing, budget, legal, and parent-relation responsibilities of program directors. Prerequisites: PSYC 4180 and 4190.

CDEV 4965 Child Development Senior Seminar (1 unit)

(Formerly PSYC 4965) Capstone seminar for Child Development majors participating in senior internships. Includes discussion of career and professional issues, diverse applications of child development, and discussion and evaluation of internship experiences. Corequisite: CDEV 4948. Prerequisites: CDEV or PSYC 3010, CDEV 3170, 3180, and senior standing. (Fall, Spring)

CDEV 4980 Individual Study (1-4 units)

For students capable of independent work and desirous of specialized study. May be repeated for a total of 6 units. Prerequisite: Prior consent of instructor. (Fall, Spring)

CDEV 4990 Senior Honors Thesis (3 units)

The Senior Honors Thesis is an independent research project in child development and is limited to qualified majors in their senior year. It is supervised by a committee of at least two faculty and is expected to be of publishable quality. Can be taken for a maximum of 6 units total, 3 of which may count toward the major. Prerequisites: Major in child development, senior standing, invitation of instructor. (Fall, Spring)

Bachelor of Arts in 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 General Education 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 one of the following courses in supporting fields (3 units):
ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
COMM 2011 Introduction to Communication Studies, 3 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, 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. A passing letter grade of D- or higher is required in most courses for the major. No minor or concentration is required. Students seeking an exemption from any of the requirements for the major should consult with their major advisers and file a petition with the Chair of the Psychology Department.

The Major (33 units minimum)

The major in Psychology requires a minimum of 9 units in Research Skills and a minimum of 24 units in the Science of Psychology.

Research Skills (9 unit minimum)**A. Experimental Methods and Design (4 units)**

Receive a letter grade of C- or better 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.

B. Research Seminars (5 unit minimum)

Receive a passing grade in two Research Seminars, one of which must be at the 4000 level. Seminars at the 4000 level are W/P courses and require a letter grade of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to any W/P course.

Note: Students are reminded to check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites and may require enrollment in a corequisite course.

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 (W/P), 3 units
(with co-requisite PSYC 4103, 0 units)

PSYC 4120 Human Development Research Seminar (W/P), 3 units
(with co-requisite PSYC 4123, 0 units)

PSYC 4310 Research Seminar in Social Psychology (W/P), 3 units
(with co-requisite PSYC 4313, 0 units)

PSYC 4410 Research Seminar in Cognitive Psychology (W/P), 3 units
(with co-requisite PSYC 4413, 0 units)

PSYC 4725 Experimental Analysis of Behavior Research Seminar (W/P), 3 units
(with co-requisite PSYC 4726, 0 units)

The Science of Psychology (24 unit minimum)

Receive a passing letter grade in 24 units of upper-division Psychology, selecting from areas C through F below. Courses may be taken on a CR/NC basis only if letter grading is not offered. No more than 6 units of Credit-graded courses can be applied toward the major.

A minimum of 6 units each must be completed in areas C, D, and E. Additional Research Seminars beyond the two required also may be used to meet the 24-unit minimum.

Coursework in Area F is not required, but is strongly recommended for students planning graduate work in psychology. These students should also check prerequisites for admission to their graduate program(s) of choice when selecting courses for the undergraduate major. Fieldwork, internships, and cooperative education may together contribute no more than 3 units toward the major.

Note: Students are reminded to check course descriptions carefully when selecting 4000-level classes; enrollment may require completion of one or more prerequisites.

C. Psychology as a Natural Science (6 units minimum)

- PSYC 3090 Comparative Animal Behavior, 3 units
- PSYC 3100 Introduction to Physiological 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 4250 Drugs and Behavior, 3 units
- PSYC 4400 Cognitive Processes, 3 units
- PSYC 4700 Intelligence, 3 units
- PSYC 4720 Experimental Analysis of Behavior, 3 units
- PSYC 4995 Seminar in Psychopharmacology, 3 units

D. Psychology as a Social Science (6 units minimum)

- PSYC 3140 Human Development I: Childhood, 3 units
- PSYC 3240 Human Development II: Adolescence, 3 units
- PSYC 3310 Introduction to Social Psychology, 3 units
- PSYC 3320 Introduction to Personality, 3 units
- PSYC 3340 Human Development III: Adulthood and Aging, 3 units
- PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
- PSYC 3660 Psychology of Women, 3 units
- PSYC 4810 Intimate Relationships, 3 units
- PSYC 4850 Stereotyping and Prejudice, 3 units

E. Psychology as an Applied Science (6 units minimum)

- PSYC 3010 Child Abuse and Neglect, 1 unit
- PSYC 3160 Introduction to Psychological Testing, 3 units
- PSYC 3550 Early Intervention with High-Risk Children, 4 units
- PSYC 3790 Introduction to Counseling Theory, 3 units
- PSYC 4130 Psychological Disorders of Children, 3 units
- PSYC 4150 Learning Disabilities, 3 units
- PSYC 4320 Forensic Psychology, 3 units
- PSYC 4440 Psychology of Workplace Performance, 3 units
- PSYC 4550 Practicum with Exceptional Children, 3 units
- PSYC 4560 Theory of Instructional Design, 3 units
- PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
- PSYC 4770 Introduction to Counseling Techniques, 3 units
- PSYC 4790 Analyzing and Changing Human Behavior, 3 units
- PSYC 4820 Group Dynamics: Theory and Application, 3 units

F. Psychology as an Integrated Science (0 unit minimum)

These courses are recommended for students planning graduate work in Psychology and those interested in developing more understanding of Psychology as an integrated discipline. Students entering doctoral programs after graduation are advised to complete History of Psychology and/or a Senior Honors Thesis. Students entering applied graduate programs (e.g., Counseling Psychology, Applied Behavior Analysis, or Clinical Psychology) should do appropriate fieldwork under advisement from a faculty member from that discipline.

- PSYC 4020 History of Psychology, 3 units
- PSYC 4900 Advanced General Psychology, 3 units
- PSYC 4910 Cooperative Education, 2-4 units
- PSYC 4930 Psychology Colloquium, 1 unit
- PSYC 4940 Fieldwork in Psychology, 1-2 units
- PSYC 4950 Selected Topics in Psychology, 1-5 units
- PSYC 4980 Individual Study, 1-4 units
- PSYC 4990 Senior Honors Thesis, 3 units

Concentration in Developmental Psychology

Psychology majors need not select a concentration. However, the concentration in Developmental Psychology provides an opportunity to study human developmental processes from a psychological perspective. The concentration prepares students for careers in such settings as 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.

Requirements

1. Complete University General Education 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 units):
ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
COMM 2011 Introduction to Communication Studies, 3 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, 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 36 upper-division units, as described below and approved by the major adviser. A passing letter grade of a D- or higher is required in most courses for the major. No minor is required. Students seeking an exemption from any of the requirements for the major should consult with their major advisers and file a petition with the chair of the Psychology Department.

The Major (36 units minimum)

The major in Psychology with a Concentration in Developmental Psychology requires a minimum of 9 units in Research Skills and a minimum of 27 units in the Science of Psychology.

Research Skills (9 units minimum)**A. Experimental Methods and Design** (4 units)

Receive a passing letter grade of C- or better 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.

B. Research Seminars (5 units minimum)

Note: Check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites.

1. Receive a letter grade of C- or better in the Research Seminar below. This is a WP course and requires completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to this WP course.
PSYC 4120 Human Development Research Seminar (WP); 3 units
(with co-requisite PSYC 4123, 0 units)
2. Receive a passing letter grade in one additional Research Seminar, selecting from the list below. Seminars at the 4000 level are WP courses and require letter grades of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself.
Students must pass the writing proficiency screening test (WPST) before they can be admitted to any WP course.
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
(with co-requisite PSYC 4103, 0 units)
PSYC 4310 Research Seminar in Social Psychology (WP), 3 units
(with co-requisite PSYC 4313, 0 units)
PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units
(with co-requisite PSYC 4413, 0 units)
PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP), 3 units
(with co-requisite PSYC 4726, 0 units)

The Science of Psychology (27 unit minimum)

Receive a passing letter grade (D- or higher) in 27 units of upper-division Psychology, selecting from areas C through F below. Courses may be taken on CR/NC basis only if letter grading is not offered. No more than 6 units of Credit-graded courses can be applied toward the major.

A minimum of 6 units each must be completed in areas C, D and E. A minimum of 9 units is required in area G. Coursework in Area H is not required, but is strongly recommended for students planning graduate work in Psychology. These students should also check prerequisites for admission to their graduate program(s) of choice when selecting courses for the undergraduate major. Fieldwork, internships, and cooperative education may together contribute no more than 3 units toward the major.

Note: Check course descriptions carefully when selecting 4000-level classes; enrollment may require completion of one or more prerequisites.

C. Psychology as a Natural Science (6 units minimum)

PSYC 3090 Comparative Animal Behavior, 3 units
PSYC 3100 Introduction to Physiological 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 4250 Drugs and Behavior, 3 units
PSYC 4400 Cognitive Processes, 3 units
PSYC 4700 Intelligence, 3 units
PSYC 4720 Experimental Analysis of Behavior, 3 units
PSYC 4995 Seminar in Psychopharmacology, 3 units

D. Psychology as a Social Science (6 units minimum)

1. Receive a passing letter grade in the course below:
PSYC 3140 Human Development I: Childhood, 3 units
2. Complete three additional units with a passing letter grade, selecting from the list below:
PSYC 3240 Human Development II: Adolescence, 3 units
PSYC 3310 Introduction to Social Psychology, 3 units
PSYC 3320 Introduction to Personality, 3 units
PSYC 3340 Human Development III: Adulthood and Aging, 3 units
PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
PSYC 3660 Psychology of Women, 3 units
PSYC 4810 Intimate Relationships, 3 units
PSYC 4850 Stereotyping and Prejudice, 3 units

E. Psychology as an Applied Science (6 units minimum)

PSYC 3010 Child Abuse and Neglect, 1 unit
PSYC 3160 Introduction to Psychological Testing, 3 units
PSYC 3550 Early Intervention with High-Risk Children, 4 units
PSYC 3790 Introduction to Counseling Theory, 3 units
PSYC 4130 Psychological Disorders of Children, 3 units
PSYC 4150 Learning Disabilities, 3 units
PSYC 4320 Forensic Psychology, 3 units
PSYC 4440 Psychology of Workplace Performance, 3 units
PSYC 4550 Practicum with Exceptional Children, 3 units

- PSYC 4650 Theory of Instructional Design, 3 units
 PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
 PSYC 4770 Introduction to Counseling Techniques, 3 units
 PSYC 4790 Analyzing and Changing Human Behavior, 3 units
 PSYC 4820 Group Dynamics: Theory and Application, 3 units

F. **Human Development Electives** (9 units minimum)

Take a minimum of 9 units beyond those completed in Areas C through E, selecting from the courses below.

- 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 3550 Early Intervention with High-Risk Children, 4 units
 PSYC 4110 Behavior Genetics, 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 PSYC 4150 Learning Disabilities, 3 units

G. **Psychology as an Integrated Science** (0 unit minimum)

These courses are recommended for students planning graduate work in Psychology and those interested in developing more understanding of Psychology as an integrated discipline. Students entering applied doctoral programs after graduation are advised to complete History of Psychology and/or a Senior Honors Thesis. Students entering applied graduate programs (e.g., Counseling Psychology, Applied Behavior Analysis, or Clinical Psychology) should do appropriate fieldwork under advisement from a faculty member from that discipline.

- PSYC 4020 History of Psychology, 3 units
 PSYC 4900 Advance General Psychology, 3 units
 PSYC 4910 Cooperative Education, 2-4 units
 PSYC 4930 Psychology Colloquium, 1 unit
 PSYC 4940 Fieldwork in Psychology, 1-2 units
 PSYC 4950 Selected Topics in Psychology, 1-5 units
 PSYC 4980 Individual Study, 1-4 units
 PSYC 4990 Senior Honors Thesis, 3 units

Concentration in Experimental Psychology

Students majoring in Psychology need not select a concentration. However, the Experimental Psychology concentration 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 area 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 greater 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 graduate programs.

Requirements

1. Complete University General Education 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 units):
 ANTH 2060 Introduction to Cultural Anthropology, 3 units, or equivalent
 COGS 2100 Introduction to Cognitive Studies, 3 units, or equivalent
 COMM 2011 Introduction to Communication Studies, 3 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, 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 39 upper-division units, as described below and approved by the major adviser. A passing letter grade of a D- or higher is required in most courses for the major.

No minor is required. Students seeking an exemption from any of the requirements for the major should consult with their major advisers and file a petition with the chair of the Psychology Department.

The Major (39 units minimum)

The major in Psychology with a Concentration in Experimental Psychology requires a minimum of 12 units in Research Skills and a minimum of 27 units in the Science of Psychology.

Research Skills (12 unit minimum)

- A. **Experimental Methods and Design** (4 units)
 Receive a letter grade of C- or better 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.

- B. **Research Seminars** (5 unit minimum)
 Receive a passing letter grade in two Research Seminars, one of which must be at the 4000 level. Seminars at the 4000 level are WP courses and require a letter grade of C- or better. They require completion of a CR/NC co-requisite as well as the seminar itself. Students must pass the writing proficiency screening test (WPST) before they can be admitted to any WP course.

Note: Students are reminded to check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites.

- 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 (with co-requisite PSYC 4103, 0 units)
 PSYC 4120 Human Development Research Seminar (WP), 3 units (with co-requisite PSYC 4123, 0 units)
 PSYC 4310 Research Seminar in Social Psychology (WP), 3 units (with co-requisite PSYC 4313, 0 units)
 PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units (with co-requisite PSYC 4413, 0 units)
 PSYC 4725 Experimental Analysis of Behavior Research Seminar (WVP), 3 units (with co-requisite PSYC 4726, 0 units)

C. Senior Thesis (3 unit minimum)

Receive a passing letter grade in PSYC 4990 Senior Honors Thesis (3 units), or a passing letter grade in two additional research seminars (5-6 units), selecting from those not used to meet the Science of Psychology requirement described below.

The Science of Psychology (27 unit minimum)

Receive a passing letter grade in 27 units of upper-division Psychology, selecting from areas D through H below. Courses may be taken on a CR/NC basis only if letter grading is not offered. No more than 6 units of Credit-graded courses can be applied toward the major.

A minimum of 6 units each must be completed in areas D, E, and F. A minimum of 9 units is required in area F. Coursework in Area G is not required, but is strongly recommended for students planning graduate work in psychology. These students should also check prerequisites for admission to their graduate program(s) of choice when selecting courses for the undergraduate major. Fieldwork, internships, and cooperative education may together contribute no more than 3 units toward the major.

Note: Students are reminded to check course descriptions carefully when selecting 4000 level classes; enrollment may require completion of one or more prerequisites.

D. Psychology as a Natural Science (6 unit minimum)

- PSYC 3090 Comparative Animal Behavior; 3 units
 PSYC 3100 Introduction to Physiological 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 4250 Drugs and Behavior, 3 units
 PSYC 4400 Cognitive Processes, 3 units
 PSYC 4700 Intelligence, 3 units
 PSYC 4720 Experimental Analysis of Behavior, 3 units
 PSYC 4995 Seminar in Psychopharmacology, 3 units

E. Psychology as a Social Science (6 unit minimum)

- PSYC 3140 Human Development I: Childhood, 3 units
 PSYC 3240 Human Development II: Adolescence, 3 units
 PSYC 3310 Introduction to Social Psychology, 3 units
 PSYC 3320 Introduction to Personality, 3 units
 PSYC 3340 Human Development III: Adulthood and Aging, 3 units
 PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
 PSYC 3660 Psychology of Women, 3 units
 PSYC 4810 Intimate Relationships, 3 units
 PSYC 4850 Stereotyping and Prejudice, 3 units

F. Psychology as an Applied Science (6 unit minimum)

- PSYC 3010 Child Abuse and Neglect, 1 unit
 PSYC 3160 Introduction to Psychological Testing, 3 units
 PSYC 3550 Early Intervention with High-Risk Children, 4 units
 PSYC 3790 Introduction to Counseling Theory, 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 PSYC 4150 Learning Disabilities, 3 units
 PSYC 4320 Forensic Psychology, 3 units
 PSYC 4440 Psychology of Workplace Performance, 3 units
 PSYC 4550 Practicum with Exceptional Children, 3 units
 PSYC 4560 Theory of Instructional Design, 3 units
 PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
 PSYC 4770 Introduction to Counseling Techniques, 3 units
 PSYC 4790 Analyzing and Changing Human Behavior, 3 units
 PSYC 4820 Group Dynamics: Theory and Application, 3 units

G. Experimental Psychology Electives (9 unit minimum)

Take a minimum of 9 units beyond those completed in Areas A through F, selecting from the courses below. Students entering doctoral programs after graduation are advised to complete History of Psychology as one of their electives.

- PSYC 3090 Comparative Animal Behavior, 3 units
 PSYC 3100 Introduction to Physiological Psychology, 3 units
 PSYC 3140 Human Development I: Childhood, 3 units
 PSYC 3310 Introduction to Social Psychology, 3 units
 PSYC 3400 Introduction to Perception, 3 units
 PSYC 3405 Research Seminar in the Psychology of Perception, 2 units
 PSYC 3610 Applied Behavior Analysis Research Seminar, 2 units
 PSYC 3700 Introduction to Learning and Motivation, 3 units
 PSYC 3705 Research Seminar in Human Learning, 2 units
 PSYC 3800 Experimental Psychology Research Seminar, 2 units
 PSYC 4020 History of Psychology, 3 units
 PSYC 4102 Research Seminar in Neuroscience (WP), 3 units (with co-requisite PSYC 4103, 0 units)
 PSYC 4110 Behavior Genetics, 3 units
 PSYC 4120 Human Development Research Seminar (WP), 3 units (with co-requisite PSYC 4123, 0 units)
 PSYC 4310 Research Seminar in Social Psychology (WP), 3 units (with co-requisite PSYC 4313, 0 units)
 PSYC 4400 Cognitive Processes, 3 units
 PSYC 4410 Research Seminar in Cognitive Psychology (WP), 3 units (with co-requisite PSYC 4413, 0 units)

- PSYC 4720 Experimental Analysis of Behavior, 3 units
 PSYC 4725 Experimental Analysis of Behavior Research Seminar (WP), 3 units
 (with co-requisite PSYC 4726, 0 units)

H. **Psychology as an Integrated Science** (0 unit minimum)

These courses are recommended for students planning graduate work in Psychology and those interested in developing more understanding of Psychology as an integrated discipline. Students entering applied graduate programs (e.g. Counseling Psychology, Applied Behavior Analysis, or Clinical Psychology) should do appropriate fieldwork under advisement from a faculty member from that discipline.

- PSYC 4900 Advanced General Psychology, 3 units
 PSYC 4910 Cooperative Education, 2-4 units
 PSYC 4930 Psychology Colloquium, 1 unit
 PSYC 4940 Fieldwork in Psychology, 1-2 units
 PSYC 4950 Selected Topics in Psychology, 1-5 units
 PSYC 4980 Individual Study, 1-4 units

Minor in Psychology

Requirements (18 units)

I. **Foundations of Psychology** (6 units)

Receive a passing letter grade or credit in the two courses below:

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

2. **The Science of Psychology** (12 units minimum)

Receive a passing letter grade (D- or higher) in 12 units of upper-division Psychology, selecting from areas A through C below. A minimum of 3 units must be completed in each area. Courses may be taken on a CR/NC basis only if letter grading is not offered. No more than 3 units of Credit-graded courses can be applied toward the minor. Students who have completed all of the requirements may take additional courses either for a letter grade or on a CR/NC basis.

Note: Students are reminded to check course descriptions carefully when selecting 4000 level classes; enrollment may require completion of one or more prerequisites.

A. **Psychology as a Natural Science** (3 unit minimum)

- PSYC 3090 Comparative Animal Behavior, 3 units
 PSYC 3100 Introduction to Physiological 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 4250 Drugs and Behavior, 3 units
 PSYC 4400 Cognitive Processes, 3 units
 PSYC 4700 Intelligence, 3 units
 PSYC 4720 Experimental Analysis of Behavior, 3 units

B. **Psychology as a Social Science** (3 unit minimum)

- PSYC 3140 Human Development I: Childhood, 3 units
 PSYC 3240 Human Development II: Adolescence, 3 units
 PSYC 3310 Introduction to Social Psychology, 3 units
 PSYC 3320 Introduction to Personality, 3 units
 PSYC 3340 Human Development III: Adulthood and Aging, 3 units

- PSYC 3350 Introduction to the Study of Abnormal Behavior, 3 units
 PSYC 3660 Psychology of Women, 3 units
 PSYC 4810 Intimate Relationships, 3 units
 PSYC 4850 Stereotyping and Prejudice, 3 units

C. **Psychology as an Applied Science** (3 units minimum)

- PSYC 3010 Child Abuse and Neglect, 1 unit
 PSYC 3160 Introduction to Psychological Testing, 3 units
 PSYC 3550 Early Intervention with High-Risk Children, 4 units
 PSYC 3790 Introduction to Counseling Theory, 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 PSYC 4150 Learning Disabilities, 3 units
 PSYC 4320 Forensic Psychology, 3 units
 PSYC 4440 Psychology of Workplace Performance, 3 units
 PSYC 4550 Practicum with Exceptional Children, 3 units
 PSYC 4560 Theory of Instructional Design, 3 units
 PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
 PSYC 4770 Introduction to Counseling Techniques, 3 units
 PSYC 4790 Analyzing and Changing Human Behavior, 3 units
 PSYC 4820 Group Dynamics: Theory and Application, 3 units

D. **Psychology as an Integrated Science** (0 unit minimum)

These courses are recommended for students planning graduate work in Psychology and those interested in developing more understanding of Psychology as an integrated discipline. Students entering applied graduate programs (e.g. Counseling Psychology, Applied Behavior Analysis, or Clinical Psychology) should do appropriate fieldwork under advisement from a faculty member from that discipline.

- PSYC 4900 Advanced General Psychology, 3 units
 PSYC 4910 Cooperative Education, 2-4 units
 PSYC 4930 Psychology Colloquium, 1 unit
 PSYC 4940 Fieldwork in Psychology, 1-2 units
 PSYC 4950 Selected Topics in Psychology, 1-5 units
 PSYC 4980 Individual Study, 1-4 units

Teaching Credentials

Psychology students interested in obtaining a single subject teaching credential are directed to the Social Sciences Subject Matter Preparation Program in the Social Sciences section of this catalog. Also refer to the Teacher Education section of the Graduate Catalog for other requirements to be completed in obtaining a single subject credential.

Special Education Credential:

Mild/Moderate Disabilities

Moderate/Severe Disabilities

Students planning careers in the field of teaching exceptional children should consult with the credential adviser in the College of Education regarding program requirements.

Master of Arts in Psychology

The Master of Arts program in Psychology is designed:

1. To prepare students for advanced graduate work, or
2. For those students who desire a research-oriented program. Admission to the program is competitive. Please see the Graduate Catalog.

Master of Science in Psychology

The primary purpose of the Master of Science program in Psychology is to develop mastery of a substantial body of knowledge and skills for students planning careers in counseling or behavior analysis. Students completing the Counseling Concentration or the Behavior Analysis Concentration meet the educational requirements for the Marriage & Family Therapist (MFT) License. The Behavior Analysis concentration is also accredited by the Association for Behavior Analysis and meets the course requirements for the Behavior Analysis Certification Board. The Behavior Analysis concentration emphasizes applied behavior analysis and trains students for positions in a wide range of applied and counseling settings. The Counseling concentration emphasizes a variety of counseling theories and skills in training students for positions in counseling settings. Admission to the program is competitive. Please see the Graduate Catalog.

Learning Objectives

Psychology majors will:

- Demonstrate psychological literacy.
- Be able to identify strengths and weaknesses in psychological studies.
- Apply psychology concepts to address real-world problems.
- Communicate effectively in formal and informal written and oral modes.
- Be able to identify the commonalities and differences among different theoretical frameworks.
- Describe and act in accordance with the scientist-practitioner model.
- Act according to ethical principles adopted by the profession.

Course Descriptions

Lower Division

PSYC 1000 Sexual Behavior (3 units)

The biological, psychological, and cultural origins of sexuality are reviewed within the context of human evolution and development. Satisfies G.E. area E1.

PSYC 2010 Introduction to Psychology (3 units)

Scientific study of human behavior. This course or its equivalent is a prerequisite to all upper-division courses in Psychology. Satisfies G.E. area D2. (CAN PSY 2)

PSYC 2020 Introduction to Psychological Methods (3 units)

Basic techniques and procedures for making systematic observations in a wide variety of psychological situations, both laboratory and field. Psychological methods demonstrated through topics of current research and application, and through demonstration-lab projects. Prerequisite: PSYC 2010 or equivalent.

PSYC 2030 Psychology of Adjustment (3 units)

A review of issues in personal and social adjustment to prepare students for a lifelong understanding of themselves as integrated persons. Topics include a study of personal development through the life cycle, psychological and physical aspects of stress, personal coping skills and stress management, interpersonal communication, family relationships, effective integration of work and leisure. Satisfies G.E. area E1.

Upper Division

PSYC 3000 Experimental Methods and Design (4 units)

Provides a working knowledge of fundamental scientific methods in psychology, stressing the integration of laboratory methods, measurement theory, and inferential statistical techniques, including introduction to analysis of variance. This course is a prerequisite to the 4000-level research seminar required of Psychology majors. Corequisite: PSYC 3002. Prerequisites: PSYC 2020 and MATH 1600 or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

PSYC 3010 Child Abuse and Neglect (1 unit)

(Same as CDEV 3010) (Formerly PSYC 4140) Child maltreatment will be examined from a variety of perspectives, including those of victims, perpetrators, mental health professionals, childcare workers and teachers, the legal system, and public policy makers. Issues addressed will include definitions, causes, consequences, assessment, reporting, treatment, and prevention of child abuse and neglect. Course content will cover all areas required by the State of California under AB 141.

PSYC 3090 Comparative Animal Behavior (3 units)

A comparative study of behavior systems in animals and humans. Stress is upon the social and developmental aspects of behavior. Prerequisite: BIOL 1010 or ZOO 1050.

PSYC 3100 Introduction to Physiological Psychology (3 units)

Relationship between behavior and physiological processes, particularly neurophysiological processes. Prerequisite: BIOL 1010 or ZOO 1050. (Lecture, 3 hours)

PSYC 3140 Human Development I: Childhood (3 units)

(Same as CDEV 3140) Basic principles of human development as they apply to infancy and childhood. Discussion of current developmental research and applications. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3160 Introduction to Psychological Testing (3 units)

Basic, widely applicable principles of psychological testing presented in a nontechnical way, plus descriptions of representative types of psychological tests in common use. Prerequisite: PSYC 2020 or consent of instructor.

PSYC 3240 Human Development II: Adolescence (3 units)

(Same as CDEV 3240) Examines basic developmental issues in adolescent development, including physical and psychological effects of puberty, cognitive, social and personality development, and psycho-social problems. Discussion of current developmental research and application. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3310 Introduction to Social Psychology (3 units)

Survey of interpersonal relations and behavior from a psychological perspective. An emphasis will be placed on the role of social cognition and attitudes. Topics to be covered include images of self and others; social motives such as affiliation, altruism, and aggression; and dyadic and group relationships. Prerequisites: PSYC 2010 and 2020 or consent of instructor.

PSYC 3320 Introduction to Personality (3 units)

Survey of the most influential approaches to the study and understanding of personality with emphasis on comparison of critical, theoretical issues. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3340 Human Development III: Adulthood and Aging (3 units)

(Same as CDEV 3340) Basic principles of adult development and aging from maturity to death are examined. Biological, psychological, and sociological aspects of development and aging are considered through discussion of relevant theory, research, and application. Satisfies G.E. area F3. Prerequisite: PSYC 2010 or consent of instructor.

PSYC 3350 Introduction to the Study of Abnormal Behavior (3 units)

Abnormal behavior in humans, stressing symptoms and dynamics of neuroses and psychoses. Prerequisites: PSYC 2020 plus two additional courses in psychology. PSYC 3140 and 3320 are recommended.

PSYC 3400 Introduction to Perception (3 units)

Basic phenomena in the area of perception. Simple and complex responses to stimuli. Topics include form perception and organization, color, illusions, space perception, motion perception, perceptual development. Basic phenomena are demonstrated and interpretations considered. Prerequisite: PSYC 2020.

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 3550 Early Intervention with High-Risk Children (4 units)

(Same as CDEV 3550) Overview of early intervention theory and methodology. Rationale of home- and school-based efforts for infant and preschool children to become successful in an academic setting. Direct application of home-based interventions. Corequisite: PSYC 3553. Prerequisites: PSYC 2010, CDEV or PSYC 3010, and CDEV or PSYC 3140. (Lecture 2 hours; activity 4 hours; Training, 16 hours — first two Saturdays of the semester.)

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 3660 Psychology of Women (3 units)

(Same as GEND 3660) Provides a psychological examination of the nature and experiences of women in contemporary society. Topics to be discussed include women and power, the meaning of sexuality, stress and conflict surrounding women's roles, and male-female relationships.

PSYC 3700 Introduction to Learning and Motivation (3 units)

Basic phenomena of learning and motivation are covered, including classical and operant conditioning, the roles of reinforcement in learning, transfer of learning, and retention. Various theoretical viewpoints are covered, including cognitive, behavioral and Gestalt theories of learning and motivation. Utilization of these concepts in classroom situations and society is demonstrated. Prerequisite: PSYC 2020 or concurrent enrollment.

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 3790 Introduction to Counseling Theory (3 units)

Introduction to major theories of counseling. Demonstrations and review of current literature. Prerequisite: PSYC 3320.

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 4020 History of Psychology (3 units)

Trends of thought, development of psychology as a discipline with leaders, schools, and issues. Prerequisites: PSYC 2020 and two upper-division courses in psychology, or consent of instructor.

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: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000, and completion of PSYC 3100 or consent of instructor.

PSYC 4110 Behavior Genetics (3 units)

Evaluation of the genotypic contribution to human and animal behavior. Special emphasis on the interaction between genotype and environment during development. Prerequisite: BIOL 1010 or ZOOL 1050.

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: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000, and prior enrollment in either PSYC/CDEV 3140 or PSYC/CDEV 3240 or PSYC/CDEV 3340, or consent of instructor.

PSYC 4130 Psychological Disorders of Children (3 units)

A review of theories and treatment techniques dealing with a broad range of childhood disorders, including autism, childhood schizophrenia, mental subnormality, and psychophysiological problems. A behavioral approach, based on empirical evidence, will be emphasized. Prerequisite: PSYC 3140.

PSYC 4150 Learning Disabilities (3 units)

Overview of the major categories of learning disabilities including educationally retarded and behavior disorders. Survey of instructional programs and review of supportive data for those programs. Prerequisite: PSYC 3140 or consent of instructor.

PSYC 4250 Drugs and Behavior (3 units)

Reviews the social, psychological, and physiological effects of all the major therapeutic and recreational drugs. The issues of drug use and abuse will be studied to develop effective strategies for prevention and rehabilitation of drug dependency. Satisfies G.E. area F3.

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: Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000 and completion of either PSYC 3310, PSYC 4810, or PSYC 4820, or consent of instructor.

PSYC 4320 Forensic Psychology (3 units)

Explores the application of psychology to criminal justice issues. Topics to be considered include specific mental disorders and personality types related to criminal behavior, treatment of mental illness in the justice system, and practical applications of forensic psychology.

PSYC 4400 Cognitive Processes (3 units)

Introduction to the study of human information processing and such higher mental processes as thinking, attention, comprehension, imagery, memory, language, and reasoning. Prerequisite: PSYC 2010, 2020, 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: Completion of the Writing Proficiency Screening Test with a passing score, 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) Workplace designs that ignore the psychological abilities of workers reduce productivity, increase turnover, and in extreme cases, trigger injuries or fatalities. This course uses real-world examples to demonstrate these problems and how they can be avoided by applying current theories of human performance.

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.

PSYC 4560 Theory of Instructional Design (3 units)

(Same as EDSE 4560) Analyzes and evaluates instructional theories as they apply to the special education aspects of curriculum and teacher-presentation strategies designed to maximize generalization and minimize errors for "high-risk" pupils. Prerequisite: EDSE 4310.

PSYC 4700 Intelligence (3 units)

(Same as COGS 4700) Examines the origins and assessment of intelligence and its role in cognitive functions within the psychometric and neuroscientific frameworks.

PSYC 4720 Experimental Analysis of Behavior (3 units)

Studies behavior principles, emphasizing respondent and operant conditioning, and their application in experimental research. Prerequisite: PSYC 2020 or consent of instructor.

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 and analyze experimental data. Satisfies upper-division writing proficiency requirement. Corequisite: PSYC 4726. Prerequisites: Passing the Writing Proficiency Screening Test, PSYC 3000 and concurrent enrollment in or prior completion of PSYC 4720 (or PSYC 3700 or PSYC 4790, with instructor permission).

PSYC 4750 Applied Behavior Analysis in the Classroom (3 units)

(Same as EDSE 4750) Application of learning principles to educational and behavioral problems of individuals, enabling the student to design and implement programs for special education populations. Gives the student skills in program management and evaluation.

PSYC 4770 Introduction to Counseling Techniques (3 units)

Training in basic counseling skills. Prerequisites: PSYC 3790, senior standing, and consent of instructor.

PSYC 4790 Analyzing and Changing Human Behavior (3 units)

(Formerly Behavioral Engineering) Consists of the basic principles and terminology of behavior analysis applied to a variety of human settings. Behavior change, program design, and evaluation will be discussed. Examples will be drawn from parent training, child management, self-management, clinical psychology, and everyday social interactions. Prerequisite: PSYC 2010 or equivalent.

PSYC 4810 Intimate Relationships (3 units)

(Formerly Social Psychology of Personal Relationships) Social psychological analysis of close relationships such as friendships, marriages, and gay and lesbian relationships. Processes such as attachment, conflict, and commitment will be examined. Prerequisite: PSYC 3310 or consent of instructor.

PSYC 4820 Group Dynamics: Theory and Application (3 units)

(Formerly Group Dynamics and Interpersonal Behavior) Reviews 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.

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 4900 Advanced General Psychology (3 units)

Review of the major content areas of psychology. Synthesis of concepts, facts, and methods studied in specialized upper-division courses. Prerequisites: At least two 4000-level psychology courses and senior standing or consent of instructor.

PSYC 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units. See catalog headings, "Requirements for the Bachelor of Arts, Child Development" or "Requirements for the Bachelor of Arts, Psychology" for details regarding application to the respective major. Prerequisites: Sophomore standing and consent of departmental coordinator.

PSYC 4930 Psychology Colloquium (1 unit)

Review of research in areas of psychology of current interest. Topics will include both applied and basic research. May be repeated for a total of 6 units, 2 of which can be applied to the major.

PSYC 4940 Fieldwork in Psychology (1-2 units)

Work of a psychological nature performed in schools, agencies, and institutions under joint supervision of the department and agency where assigned. May be repeated for credit. See catalog headings "Requirements for the Bachelor of Arts, Child Development" or "Requirements for the Bachelor of Arts, Psychology" for details regarding application to the respective major. Prerequisites: PSYC 2020 and consent of instructor.

PSYC 4950 Selected Topics in Psychology (1-5 units)

(Topics to be specified in Class Schedule) Development of a specific area in Psychology. Topics will vary depending on instructor. Different topics may be taken for a total of 6 units. Prerequisite: Consent of instructor.

PSYC 4980 Individual Study (1-4 units)

For students capable of independent work and desirous of undertaking specialized study. May be repeated for a total of 6 units. Prerequisite: Prior consent of instructor.

PSYC 4990 Senior Honors Thesis (3 units)

The Senior Honors Thesis is an independent research project in Psychology and is limited to qualified majors in their senior year. It is supervised by a committee of at least two faculty and is expected to be of publishable quality. Can be taken for a maximum of 6 units total, 3 of which may count toward the major. Prerequisites: Major in Psychology, senior standing, and invitation of instructor.

PSYC 4995 Seminar in Psychopharmacology (3 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. Prerequisite: PSYC 3100 or consent of instructor.

**College of Humanities
and Social Sciences**

Carolyn Stefanco, Ph.D., Dean

Mark Bender, Ph.D., *Chair, Department of Agricultural Studies*

Peter DeCaro, Ph.D., *Chair, Department of Communication Studies*

Edward C. Erickson, Ph.D., *Chair, Department of Economics*

Phyllis Gerstenfeld, Ph.D., J.D., *Chair, Department of Criminal Justice*

Sari Miller-Antonio, Ph.D., *Chair, Department of Anthropology/Geography
and Chair, Department of Ethnic/Gender Studies*

Jason C. Myers, Ph.D., *Chair, Department of Politics/Public Administration*

Paul W. O'Brien, Ph.D., *Chair, Department of Sociology*

Mark Thompson, Ph.D., *Chair, Department of English*

James A. Tuedio, Ph.D., *Chair, Department of Philosophy/Modern Languages*

Richard Weikart, Ph.D., *Chair, Department of History*

Bret Carroll, *Program Director, History Graduate Program*

Betsy Eudey, *Program Director, Gender Studies*

April Hejka-Ekins, *Program Director, Public Administration Graduate Program*

Jennifer Helzer, *Program Director, Geography*

Peter Nelligan, *Program Director, Criminal Justice Graduate Program*

Arnold Schmidt, *Program Director, English Graduate Program*

Linda Trinh Pham, *Program Director, Social Sciences*

Office: Library Building 175

Phone: (209) 667-3531

The College of Humanities and Social Sciences provides tremendous diversity in course offerings that make a significant contribution to the liberal arts education of all students and support the intellectual and professional aspirations of its own students in 14 majors, 25 minors, and 2 programs at the undergraduate level, and 5 degrees and 2 certificate programs at the graduate level. Known for its academic excellence and innovation, the College of Humanities and Social Sciences exemplifies the highest standards of quality in teaching, research, scholarship, and service, while promoting and fostering a collegial and supportive working and learning environment for its many constituencies. The College is particularly proud of its leadership role in advancing interdisciplinary efforts, such as the First-Year Experience Program, the General Education Summit Program, and the Honors Program. Interdisciplinary collaboration is also enhanced through the sponsorship of three Centers and Institutes in the College — the Center for Economic Education, the Institute for Archeological Research, and the Institute for Cultural Resources.

Programs are listed alphabetically within the department that houses them. When a program is housed within the college but not assigned to a specific department, it is listed first.



Latin American Studies

Alejandro Vallega, Ph.D., *Co-Director*
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Marjorie Sanchez-Walker, Ph.D., *Co-Director*
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Minor in Latin American Studies

The minor in Latin American Studies is a multidisciplinary program seeking to provide students an in-depth knowledge of Latin American society. The program is designed to foster an understanding of Latin America today through its languages, cultures, history, literatures, and social, economic, and political development. Its faculty accomplish this not only through the courses offered but also through their scholarly research and collaborative participation in the annual colloquium series (open to students, faculty, and the community at large).

Requirements (20 units)

1. Complete the following lower-division courses (8 units):

Note: A student who can demonstrate equivalent preparation may be exempt from four to eight units of the lower-division requirement.

- SPAN 1010 Elementary Spanish I, 4 units, **and**
 - SPAN 1020 Elementary Spanish II, 4 units, or equivalent coursework in Portuguese
2. Complete a minimum of one course each from areas a and b below (6-7 units):
 - a. HIST 3510 Colonial Latin America, 3 units
SPAN 3300 Literature and Civilization of Spanish America I, 3 units
 - b. HIST 3520 Modern Latin America, 3 units
PSCI 3410 Comparative Politics: Latin America, 4 units
SPAN 3310 Literature and Civilization of Spanish America II, 3 units
 3. Select elective courses with the minor adviser's approval to complete the 20 required units. Courses should be selected with attention to gaining breadth of experience so the student will have taken courses from at least three disciplines in the minor. The elective courses may be additional ones taken from areas a and b above, or other appropriate courses, such as:
 - ANTH 3320 Native Peoples of Latin America, 3 units
 - ETHS 2100 Contemporary Chicano Studies, 3 units
 - HIST 4500 History of Mexico, 3 units
 - PHIL 4700 Contemporary Latin American Political Philosophy, 3 units
 - PORT 3302 Survey of Brazilian Literature, 3 units
 - PORT 3930 Survey of Portuguese and Brazilian Literatures in Translation, 3 units
 - PSCI 4680 U.S.-Latin American Relations, 4 units

SPAN 3970 Contemporary Latin-American Prose in Translation, 3 units

SPAN 4600 Literatura Mexicana, 3 units

Note: Twelve of the required 20 units must be upper-division; three of the required 12 upper-division units may be taken in courses numbered 4980, Individual Study. Where appropriate, and as approved by the minor adviser, courses offered during Winter term are also applicable.

Department of Agricultural Studies

Mark E. Bender, Ph.D., *Chair*

Professors: Bender, Bowers, Houk, Schoenly

Office: Bizzini Hall 108A-C
 Phone: (209) 664-6648

**Bachelor of Arts in Agricultural Studies
 with concentrations in Agricultural Biology, Agricultural
 Business/Economics, Permaculture, and a Special Concentration
 Business Administration concentration in Agricultural Business***

**Please see the College of Business Administration section of the catalog.*

Bachelor of Arts in Agricultural Studies

This multidisciplinary program blends the contributions of a number of academic departments through upper-division core courses and four concentrations, listed above. 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 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 coursework in Agriculture, Agricultural Science, Agricultural Economics and closely related fields, and who complete the designated lower-division prerequisite courses, may participate in the program. Freshmen admitted to the major are dually enrolled in the university and an area community college agriculture program.

Requirements

1. Complete the University's General Education breadth requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major at a community college.
 - a. A minimum of 30 units of lower-division agriculture courses that include:
 - One course in Introduction to Animal Science
 - One course in Introduction to Plant Science

One course in Soil Science

One course in Elements of Agricultural Economics

One course in Agricultural Computer Applications

Additional requirements for the Agricultural Business/Economics concentration:

One course in Agricultural Marketing or Sales

One course in Agricultural Accounting

One course in Agricultural Management (suggested)

b. Lower division GE courses to include:

One course in Statistics

One course in Macroeconomics

3. Complete the major core requirements (16 units minimum).

4. Complete a concentration (20-24 units minimum).

5. Complete electives for a total of 120 units for the Bachelor of Arts degree.

The Major Core (16-18 units)

Complete one course from each of the following areas:

a. Social Context of Agriculture

AGST 3000 Agriculture, Society, and the Natural World, 3 units

b. Methodology/Technology of Agriculture

GEOG 4750/4752 Geographic Information Systems, 3 units

c. Physical/Biological Aspects of Agriculture

BIOL 4200 Ecological Agriculture, 3 units

GEOG 4070 Agricultural Geography, 4 units

d. Business/Economics of Agriculture

ECON 4560 Natural Resources & Environmental Economics, 4 units

ECON 4640 Economics and Agriculture, 3 units (required for Agricultural Business/Economics concentration)

e. Agriculture Policy and Regulations

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 concentrations are offered, including specific concentration requirements.

Concentration in Agricultural Biology

This concentration has a science focus and thus appeals 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.

Additional Lower Division Prerequisite

One course in general chemistry with laboratory

Requirements (20 units minimum)

1. Two courses, one from each area (8 units)

a. Botany/Microbiology

BOTY 3500/3502 Introductory Plant Pathology, 4 units

BOTY 3700/3702 Flowering Plants, 4 units

MBIO 3010/3032 Bacteriology, 3 units/Lab, 2 units

b. Entomology/Zoology

ENTO 3000/3002 Principles of Entomology, 4 units

ENTO 4800/4802 Agricultural Entomology, 4 units

ZOOL 4430/4432 Invertebrate Zoology II, 4 units

2. One ecology course (3-4 units)

BIOL 4200 Ecological Agriculture, 3 units

BIOL 4680/4682 Ecology, 4 units

BOTY 4600/4602 Plant Ecology, 4 units

3. Internship in an agriculture-related setting (3 units)

AGST 4940 Agricultural Studies Internship, 1-4 units

BIOL 4940 Internship in Biology, 2-4 units

4. Upper-division elective units in agriculture-related courses listed below (6 units)

BIOL 4000 Biogeography, 3 units

BIOL 4010/4012 Research and Technical Writing in Biology (WP), 3 units

BIOL 4300 Conservation Biology, 3 units

BOTY 3000/3002 Principles of Plant Propagation, 3 units

BOTY 3050/3052 Plants, Agriculture, and Humans, 4 units

BOTY 4200/4202 Plant Physiology, 4 units

ENTO 4330/4332 Medical and Veterinary Entomology, 4 units

GEOG 4301 Permaculture Applications in Diverse Environments, 3 units

MBIO 4600 Food Microbiology, 3 units

MBIO 4700 Host-Parasite Interactions, 3 units

NSCI 3000 Science for Self-Sufficiency, 3 units

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

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

Concentration in Agricultural Business/Economics

The Agricultural Studies concentration in Agricultural Business/Economics gives students the opportunity to combine community college coursework 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.

Courses in the concentration expose students to economic concepts such as resource allocation at the firm level and at the macro level, and business concepts such as sales and marketing. Students in the program will gain important statistical skills including forecasting and individual study/internship in a related field for university credit.

Requirements (24 units minimum)

1. Required courses for the concentration (12 units)
 - ECON 4200 Intermediate Theory (Microeconomics), 3 units
 - ECON 4331 Managerial Economics, 3 units **or**
 - MGT 3300 Farm Management, 3 units
 - ECON 4690 Agricultural Finance, 3 units
 - MKT 3350 Agricultural Marketing, 3 units
2. Electives (minimum of 9 units total)
 - a. General Business & Economics (6 units minimum)
 - ECON 4100 Labor Economics, 3 units
 - ECON 4335 Political Economy (WP), 4 units
 - ECON 4500 Economics of Investment, 4 units
 - ECON 4560 Natural Resources & Environmental Economics, 4 units
 - BUS 3100 Business Technical Writing Communication (WP), 3 units
 - MGT 3340 Agricultural Commodity Futures, 3 units
 - MGT 4320 Appraisal of Agricultural Property, 3 units
 - MGT 4380 Public Policy in Agriculture, 3 units
 - MGT 4930 Strategic Planning in Agriculture, 3 units
 - b. International Business & Economics (3 units minimum)
 - ECON 4401 Third World Economics, 3 units
 - ECON 4415 International Economics, 3 units
 - ECON 4455 The U.S. and World Trade, 4 units
 - MKT 4470 Global Marketing, 4 units
3. Internship in an agriculture-related setting (3 units)
 - AGST 4940 Agricultural Studies Internship, 1-4 units

Students in this concentration will also 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

The concentration in Permaculture is an emphasis available to students in the Agricultural Studies major. 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 resources issues, agriculture, community development, and land use planning.

Requirements (21 units minimum)

1. Physical Environment. Choose one course from the following (3-4 units):
 - BIOL 4000 Biogeography, 3 units
 - GEOG 3100 Climatology, 3 units
 - GEOG 4070 Agricultural Geography, 4 units
 - GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology, 3 units
2. Ecology. Choose one course from the following (3-4 units)
 - BIOL 4200 Ecological Agriculture, 3 units
 - BIOL 4650/4652 Aquatic Biology, 4 units

- BIOL 4680/4682 Ecology, 4 units
 - BOTY 4600/4602 Plant Ecology, 4 units
 - GEOG 3020 Human Ecology, 3 units
 - PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units
3. Techniques. Choose three courses from the following (9-12 units)
 - ANTH/GEOG 4250 The Ethnoecology of Southeast Asia, 4 units
 - PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
 - BOTY 3000/3002 Principles of Plant Propagation, 3 units
 - BOTY 3500/3502 Introductory Plant Pathology, 4 units
 - ENTO 3000/3002 Principles of Entomology, 4 units
 - GEOG 4710 Field Methods (WP), 3 units
 4. Capstone Course (3 units)
 - GEOG 4301 Permaculture Applications in Diverse Environments, 3 units
 5. Internship in an agriculture-related setting (3 units)
 - AGST 4940 Agricultural Studies Internship, 1-4 units

Special Concentration

The Special Concentration will provide options within the Agricultural Studies major that offer flexibility in the career choice objectives of the students in the CSU Stanislaus Agricultural Studies Program. This concentration presents the unique opportunity to combine core courses and upper division requirements with courses outside the program, which fulfill a student's education and career goals. The result is a concentration geared toward specific student objectives, while maintaining the integrity of the Bachelor of Arts degree in Agricultural Studies.

Requirements (21 units minimum)

1. Upper Division Units – 18 units
 - a. Courses from Agricultural Studies concentrations (Agricultural Biology, Agricultural Business/Economics, Permaculture) (12 units)
 - b. Approved courses outside of Agricultural Studies concentrations (6 units)
2. Internship in agriculture-related setting (3 units)
 - AGST 4940 Agricultural Studies Internship, 1-4 units

Minor in Agricultural Studies

Requirements (18 units minimum)**Upper Division Agricultural Studies Core**

(a minimum of 12 units from 4 of 5 areas)

1. Social Context of Agriculture
 - AGST 3000 Agriculture, Society, and the Natural World, 3 units
2. Methodology/Technology of Agriculture
 - GEOG 4750/4752 Geographic Information Systems, 3 units

3. Physical/Biological Aspects of Agriculture
BIOL 4200 Ecological Agriculture, 3 units
GEOG 4070 Agricultural Geography, 4 units
4. Business/Economics of Agriculture
ECON 4640 Economics and Agriculture, 3 units
ECON 4560 Natural Resources & Environmental Economics, 4 units
5. Agriculture Policy & Regulations
PSCI 4326 Planning Issues and Agriculture, 4 units

Lower Division Transfer Core

(2 courses, a minimum of 6 units from the following)

Principles of Animal Science, 3 units

Principles of Plant Science, 3-4 units

Soil Science, 3-4 units

Agricultural Economics, 3 units

Computers in Agriculture, 3 units

Substitutions may be approved by adviser.

Learning Objectives

Students will:

- Explain basic economic principles with respect to the production and distribution of agricultural resources;
- Explain the principles of agricultural and environmental resource management;
- Describe agricultural business and marketing practices;
- Explain the physical, chemical, and biological principles of agroecosystems;
- Summarize global perspectives on food issues;
- Provide examples of restorative and sustainable agricultural practices;
- Describe spatial and other quantitative techniques;
- Understand public policy, regulatory, and land use issues;
- Explain the social context of agricultural production;
- Critically assess agricultural issues and trends;
- Systematically develop communicative, analytical, quantitative, and critical thinking skills;
- Be exposed to diverse teaching and learning strategies in a number of academic disciplines;
- Gain applied experience through internships and service learning;
- Experience a high quality academic program that prepares them for changing and emerging professional opportunities in the region; and
- Be involved in an educational experience that helps prepare them for graduate studies and teaching.

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

Course Descriptions**Upper Division****AGST 3000 Agriculture, Society, and the Natural World (3 units)**

(Formerly Agriculture, Environment, and Society) The Sociology of Agriculture presented through an examination of relationships between societies and their environments, economics, and agriculture. Emphasis on the analysis of agriculture's use of technology and the corresponding impact on the environment, economy, and society. Satisfies G.E. area F3. (Lecture, 3 hours) (Fall, Spring)

AGST 4940 Agricultural Studies Internship (1-4 units)

Supervised work in an agriculture-related agency or business, designed to emphasize technical and employability skill development including construction of a professional portfolio. The experience will be under the joint supervision of the employer and faculty member. A total of 45 hours per unit of credit. Prerequisites: Junior or senior-level Agricultural Studies major and consent of instructor.

**Department of Anthropology
and Geography**

Sari Miller-Antonio, Ph.D., *Chair*

Professors: Akwabi-Ameyaw, Durbin, Miller-Antonio

Assistant Professor: Bell

Office: Bizzini Hall 215

Phone: (209) 667-3127

Bachelor of Arts in Anthropology

**with concentrations in Ethnology, Physical Anthropology or
Archaeology**

Interdisciplinary concentration in Physical Anthropology

Liberal Studies concentration in Anthropology

Social Sciences concentration in Anthropology

The department administers the programs for the minors in Environmental and Resource Studies, and Permaculture. Both programs are interdisciplinary.

Minor in Environmental & Resource Studies

Ida I. Bowers (Geography), Ph.D., *Coordinator*

David Colnic (Politics & Public Administration), Ph.D., *Adviser*

Patrick A. Kelly, Ph.D., *Adviser*

Ann K. Kohlhaas, (Biological Sciences), Ph.D., *Adviser*

Michael J. Perona (Chemistry), Ph.D., *Adviser*

Office: Bizzini Hall 215

Phone: (209) 667-3127

The minor in Environmental and Resource Studies is an interdisciplinary program open to students in any major. It is intended for students who are concerned with environmental and resource issues and with the interactions of natural systems and social processes. The focus of the minor is on the complex problems of human-environment relationships.

Upper-division courses counted in the major may not be counted towards the minor. However, courses in the minor may be used to satisfy prerequisites to the major and general education requirements, if applicable. See the General Education Breadth Requirements section in this catalog for current information.

Requirements (25 units minimum)

Complete a minimum of 25 units, including at least eight upper-division units, as outlined below:

1. Complete the following required courses in natural and social sciences (10 units):

a. BOTY 1050 Introduction to Botany, 4 units, **or**

ZOOL 1050 Introduction to Zoology, 4 units

b. CHEM 1000 Chemistry in the Modern World, 3 units

Note: Satisfactory completion of CHEM 1100 may be substituted for CHEM 1000.

c. GEOG 2010 Introduction to Physical Geography, 3 units, **or**

ECON 2510 Principles of Microeconomics, 3 units

2. Complete one of the following courses (3-4 units):

GEOG 3100 Climatology, 3 units

GEOL 2100 Principles of Geology, 3 units

PHSC 1300 Environmental Pollution, 3 units

PHSC 2100 Atmosphere, Weather, and Climate, 3 units

3. Complete a minimum of 12 units of elective courses in consultation with the minor adviser from the list below. At least six units must come from the natural sciences and six units from the social sciences or humanities.

Note: Students also are advised to complete an introductory course in statistics.

a. Natural Sciences (6 units minimum)

BIOL 2650 Environmental Biology, 3 units

BIOL 4050 Ecosystem Case Studies, 3 units

BIOL 4200 Ecological Agriculture, 3 units

CHEM 3070 The Chemicals in Your Life, 3 units

CHEM 3080 The Chemistry of Nuclear Energy, 3 units

CHEM 3100 Environmental Chemistry, 3 units

GEOL 3050 Environmental Geology, 4 units

PHSC 3000 Energy, Ecology, and Environment, 3 units

PHSC 3500 Solar and Other Alternative Energies, 3 units

PHYS 3800 Fundamentals of Nuclear Energy, 3 units

b. Social Sciences and Humanities (6 units minimum)

ANTH 3000 Anthropology and Global Issues, 3 units

GEOG 3020 Human Ecology, 3 units **or**

GEOG 4050 Restorative Human Ecology, 3 units

GEOG 4070 Agricultural Geography, 4 units

GEOG 4301 Permaculture Applications in Diverse Environments, 3 units

GEOG 4350 Urban Geography, 4 units

GEOG 4750 Geographic Information Systems, 3 units

PHIL 4050 Environmental Ethics, 3 units

PSCI 3304 Introduction to Public Administration (WP), 3 units

PSCI 4315 Public Policy Making, 3 units

PSCI 4318 Environmental Policy and Politics, 4 units

PSCI 4325 Land Use Planning, 3 units

PSCI 4340 Political Demography, 3 units

PSCI 4600 Statistical Analysis for Politics, 4 units

SOCL 3430 Population, Resources, and the American Future, 4 units

Note: Appropriate winter term courses may be substituted in the elective category by prior advisement and approval of the minor adviser only. Courses not given prior approval may not be counted towards the minor. Also, upon approval of the minor adviser, one to three units of individual study or internship may be applied towards elective categories under 3.

Minor in Permaculture

Ida Bowers (Geography), Ph.D., *Adviser*

Mark Bender (Agricultural Studies), Ph.D., *Adviser*

Michael Stevens (Biology), Ph.D., *Adviser*

Office: Bizzini Hall 215

The minor in Permaculture is an interdisciplinary program open to students in any major. 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.

Students must complete a minimum of 31 upper-division units. (With adviser's approval, a transfer student who has completed equivalent courses at the lower-division level in Categories 1-5 may use those courses to satisfy requirements in the minor as long as the student has a minimum of 20 upper-division units in the minor). Advising and approval for each student's pattern of courses in the minor is required.

Supplementing the Minor

The following are recommended upper-division GE courses. Choose one course from each category:

1. **Social Sciences**

- ANTH 3000 Anthropology and Global Issues, 3 units
- PSCI 4318 Environmental Policy and Politics, 4 units

2. **Sciences**

- BIOL 3000 Frontiers in Biology, 3 units
- CHEM 3070 The Chemicals in Your Life, 3 units
- CHEM 3100 Environmental Chemistry, 3 units
- GEOL 3050 Environmental Geology, 4 units
[Corequisite: GEOL 3053]
- NSCI 3000 Science for Self-Sufficiency, 3 units

Requirements (31–34 units)

(Prerequisites are in brackets after each course.)

Category 1 — Physical Environment

Choose two courses from the following (6 units):

- BIOL 4000 Biogeography, 3 units
[ZOOL 1050 and BOTY 1050, or consent of instructor]
- GEOG 3100 Climatology, 3 units
[GEOG 2010 or consent of instructor]
- GEOL 3050 Environmental Geology, 4 units
- GEOL 3810 Hydrogeology, 3 units
[GEOL 2100 and GEOL 2200]
- GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology, 3 units
[GEOL 2100 and 2102, or consent of instructor]

Category 2 — Ecology

Choose one course from the following (3-4 units):

- GEOG 3020 Human Ecology, 3 units
- BIOL 4680 Ecology, 4 units
[BOTY 1050, ZOOL 1050, and statistics or calculus]
- BOTY 4600 Plant Ecology, 4 units
[One year of college-level biology, including BOTY 1050, CHEM 1100, 1110, or equivalent]

Category 3 — Pests and Plant Diseases

Choose one course from the following (4 units):

- BOTY 3500 Introductory Plant Pathology, 4 units
[BOTY 1050 or equivalent]
- ENTO 3000 Principles of Entomology, 4 units
[ZOOL 1050 or equivalent]
- ENTO 4800 Agricultural Entomology, 4 units
[One year of college-level biology, including ZOOL 1050 or equivalent]

Category 4 — Techniques

Choose three courses from the following (9-10 units):

- BIOL 4200 Ecological Agriculture, 3 units

GEOG 4070 Agricultural Geography, 4 units

[one course in physical geography]

GEOG 4750 Geographic Information Systems, 3 units

[Consent of instructor and computer experience]

PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units

PSCI 4318 Environmental Policy and Politics, 4 units

PSCI 4325 Land Use Planning, 3 units

[PSCI 1201]

Category 5 — Applied Work/Work Experience (3 units)

It is required that students take an internship with the campus BioAg Center or with a local agricultural entity. See appropriate discipline for your interests. If students come from a community college with credited work experience, this requirement is waived.

Category 6 — Capstone Courses (6-7 units)

Required:

GEOG 4301 Permaculture Applications in Diverse Environments, 3 units

Choose one:

PHIL 4050 Environmental Ethics, 3 units

PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units

PSCI 4326 Planning Issues and Agriculture, 4 units

Bachelor of Arts in Anthropology

The Anthropology major offers basic preparation for careers requiring contemporary cross-cultural understanding and awareness of cultural heritages. Due to the growing global nature of today's job market, cross-cultural training is often an employment prerequisite. The major emphasizes archaeology, ethnology, physical, and applied aspects of anthropology. It is also designed for students planning to teach social and biological sciences, and for students preparing for graduate work in anthropology and its various geographical areas/interdisciplinary specializations such as African Studies, Asian Studies, and Latin American Studies. Training in Anthropology is ideal for pursuing a career in many related fields such as forensic science, biology, medicine, public health, law, public administration, and urban planning.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units).
2. Complete the following prerequisites to the major (9 units):
ANTH 2060 Introduction to Cultural Anthropology, 3 units
ANTH 2080 Introduction to Physical Anthropology, 3 units
ANTH 2090 Introduction to Archaeology, 3 units

Note: A wide background in the Social Sciences, Humanities, and Biological Sciences is desirable. Students are encouraged to take introductory courses in related fields within these areas. Students preparing for graduate studies or a research career in anthropology should include a course in statistics, computer science, and at least one language other than English.

3. Complete the major of not less than 31 upper-division units as approved by the major adviser; of these, no more than 8 units of CR-graded coursework from courses graded exclusively CR/NC may apply toward the major. Completion of a minor is not required.

The Major (31 units)

Complete a minimum of 31 upper-division units distributed as follows:

1. Take at least 3 units from each of the following areas:
 - a. Ethnography, 3 units
 - b. Ethnology, 3 units
 - c. Physical Anthropology, 3 units
 - d. Archaeology, 3 units
2. Complete the following required courses:
 - a. ANTH 3750 Human Evolution, 3 units (required of all majors)
 - b. ANTH 4500 Growth of Anthropology, 4 units (a capstone course required of all majors)
3. Practical Requirement: Majors are required to take a course or combination of courses (for a minimum of 3 units) in which they practice the discipline of anthropology. These courses may also be used to meet other requirements (general education or major) as appropriate. This could be an internship, a winter term, semester or year of study abroad, an independent study project, or a laboratory-based course. Courses that can satisfy this requirement include (but are not limited to) the following:
 - ANTH 4130 Urban Subcultures: Chinatown, 1 unit
 - ANTH 4200 Applied Anthropology and Social Change, 4 units
 - ANTH 4321 Historical Archaeology, 5 units
 - ANTH 4420 Bodies of Evidence, 3 units
 - ANTH 4400 Observational Studies in Primate Behavior, 1 unit
 - ANTH 4605 Archaeological Field Methods, 5 units
 - ANTH 4625 Directed Lab Research, 2 units
 - ANTH 4640 Archaeology Expedition, 1-4 units
 - ANTH 4650 Ethnographic Field School, 3 units
 - ANTH 4900 Directed Field Research, 1-5 units
 - ANTH 4940 Internship in Anthropology, 1-6 units
 - ANTH 4980 Individual Study, 1-4 units
4. Elective upper-division units in Anthropology to complete a total of 31 units.

Note: Three units of approved upper-division coursework in Computer Science or Statistics, taken outside of the Department of Anthropology and Geography, may be applied as part of your upper-division electives in Anthropology. See your adviser for approval of this option.

Minor in Anthropology**Requirements** (18 units)

Complete 18 units of anthropology coursework, including 6 units of the lower-division Anthropology courses and at least 12 units of upper-division courses approved by the minor adviser.

Note: Students may specialize in one area of Anthropology for the minor. No more than 8 units of CR-graded coursework from courses graded exclusively CR/NC may apply toward the minor.

The Concentrations

To concentrate in one area within the Bachelor of Arts in Anthropology, complete the above major program taking a minimum of 9 upper-division electives in one of the following: Ethnology, Physical Anthropology, or Archaeology. Such concentrations are recorded on students' transcripts.

Special Interdisciplinary Concentration for Physical Anthropology

Forensic Anthropology Track: These courses substitute for all the Anthropology elective upper-division units and fulfill the practical requirement.

ANTH 4420 Bodies of Evidence, 3 units
 ANTH 4410 Talking Skeletons: Case Studies in Forensic Anthropology, 3 units
 ENTO 4330 *Medical and Veterinary Entomology, 4 units
 BIOL 4850 *DNA Technology in Forensic Science, 2 units

Medical Anthropology Track: These courses substitute for all the Anthropology elective upper-division units and fulfill the practical requirement.

ANTH 4210 Ethnomedical Anthropology, 3 units (required)
 HIST 4730 Disease and World Societies, 3 units
 ENTO 4330 *Medical and Veterinary Entomology, 4 units
 SOCL 4700 Medical Sociology, 3 units

Students may substitute one course from the list below according to their interests:

COMM 4180 Health Communication, 3 units
 HLTH 4500 Health in a Diverse Society, 3 units
 MBIO 3010 Bacteriology, 3 units
 BIOL 4100 Immunology, 3 units
 BIOL 4110 Concepts in Epidemiology, 2 units
 ZOO 4440 General Parasitology, 4 units

**Students are required to take a yearlong freshman sequence in introductory biology, zoology, or botany as a prerequisite to ENTO 4330. BIOL 2310 (Human Genetics) and CHEM 1100 (Principles of Chemistry) are pre- or corequisites for BIOL 4850.*

Liberal Studies Concentration in Anthropology

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Anthropology

Please refer to the Social Sciences program section of the catalog.

Teaching Credentials

Anthropology majors interested in a Social Sciences Subject Matter Preparation Program for a single subject credential should review the subject matter preparation program requirements described in the "Social Sciences" section of this catalog. Please refer to the Teacher Education section of the Graduate Catalog for a description of other requirements to be completed for the single subject credential.

Anthropology Sub-Areas**Lower Division****General Anthropology**

- ANTH 2060 Introduction to Cultural Anthropology, 3 units
- ANTH 2080 Introduction to Physical Anthropology, 3 units
- ANTH 2090 Introduction to Archaeology, 3 units
- ANTH 2950 Selected Topics in Anthropology, 1-5 units

Upper Division**General Anthropology**

- ANTH 3010 The Great Discoveries, 3 units
- ANTH 3020 Travelers in Time: Perspectives of the Past on the Present, 3 units
- ANTH 4500 Growth of Anthropology, 4 units

Ethnography

- ANTH 3070 Peoples and Cultures of Africa, 3 units
- ANTH 3080 Peoples and Culture of the Caribbean, 3 units
- ANTH 3090 Peoples and Cultures of Latin America, 3 units
- ANTH 3105 Peoples and Cultures of the Pacific, 3 units
- ANTH 3106 Peoples and Cultures of Asia, 3 units
- ANTH 3200 Anthropological Studies of U.S. Culture, 4 units
- ANTH 3301 Native Americans of Canada and the U.S., 3 units
- ANTH 3320 Native Peoples of Latin America, 3 units
- ANTH 3400-3499 Modern Ethnographic Studies, 1-4 units
- ANTH 4250 The Ethnoecology of Southeast Asia, 4 units
- ANTH 4650 Caribbean Field School, 3 units

Ethnology

- ANTH 3900 Anthropology of Gender and Sexuality (WP), 3 units
- ANTH 4030 Anthropology Through Film, 1-4 units
- ANTH 4040 Cross Cultural Boundaries: The Field Work Process, 4 units
- ANTH 4130 Urban Subcultures: Chinatown, 1 unit
- ANTH 4140 Urban Anthropology, 3 units
- ANTH 4150 Anthropology of Religion, 4 units
- ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
- ANTH 4170 Economic Anthropology (VWP), 3 units
- ANTH 4181 Political Anthropology, 3 units
- ANTH 4200 Applied Anthropology and Social Change, 4 units
- ANTH 4210 Ethnomedical Anthropology, 3 units
- ANTH 4211 The World in Change, 3 units
- ANTH 4221 Folk Literature and the Arts (WP), 3 units

Archaeology

- ANTH 3500-3599 Studies in World Prehistory (topics vary), 1-4 units
- ANTH 3600 Method and Theory in Archaeology, 3 units
- ANTH 4321 Historical Archaeology, 5 units
- ANTH 4605 Archaeological Field Methods, 5 units
- ANTH 4625 Directed Lab Research, 2 units
- ANTH 4640 Archaeology Expedition, 1-4 units

Physical Anthropology

- ANTH 3750 Human Evolution, 3 units
- ANTH 3760 Primates Past and Present, 3 units
- ANTH 3780 Primate Social Behavior, 3 units
- ANTH 4400 Observational Studies in Primate Behavior, 1 unit
- ANTH 4410 Talking Skeletons, Case Studies in Forensic Anthropology, 3 units
- ANTH 4420 Bodies of Evidence, 3 units
- ANTH 4700-4799 Studies in Physical Anthropology, 1-4 units

Special Studies

- ANTH 4900 Directed Field Research, 1-5 units
- ANTH 4910 Cooperative Education, 2-4 units
- ANTH 4940 Internship in Anthropology, 1-6 units
- ANTH 4950 Selected Topics in Anthropology, 1-5 units
- ANTH 4960 Senior Seminar, 1-4 units
- ANTH 4980 Individual Study, 1-4 units
- ANTH 4990 Senior Thesis, 3-5 units
- ANTH 5850 Seminar in Graduate Research, 2 units
- ANTH 5950 Selected Topics in Anthropology, 1-5 units
- ANTH 5960 Graduate Projects, 3-6 units
- ANTH 5980 Individual Study, 1-4 units
- ANTH 5990 Thesis, 3-6 units

Learning Objectives

The Department of Anthropology asserts that successful completion of a BA degree in Anthropology satisfies the following objectives:

- Facilitate the mastery of key concepts within the field of anthropology, including an understanding of the complexities, diversity, and history of human evolution and culture, and the holistic relationship between culture, biology, and history that is central to the discipline of anthropology.
- Develop key general and specific skills including writing, research, analytical reasoning, critical thinking, public speaking, and computer skills, with an aim to keep majors competitive in a very demanding contemporary workplace.
- Develop a global awareness through competence in the study of geographic regions as well as societies and their interdependency with the intent of enabling majors to be competitive in a job market that is increasingly globalizing.
- Develop specific skills through training in the methods of anthropological subfields (qualitative and quantitative data collection and analysis techniques, including ethnographic/participant observation field methods, data analysis, statistical analysis, forensics, and archaeological methods).
- Expose majors to a variety of teaching and learning objectives and practices in the field of anthropology and its four subfields, namely physical anthropology, cultural anthropology, archaeology, and linguistic anthropology.
- Enable the application of anthropological theories and methods through real world applied work (in the form of internships, service learning, field experience, research projects, and study abroad experience) that is required of all majors.
- Provide majors with training appropriate to prepare them for graduate and/or professional school and teaching.
- Enable majors to obtain a sophisticated understanding of the theoretical orientations, holistic perspectives, and history of anthropology.

The Department supports the concept of international education and encourages students to investigate opportunities for overseas study. Certain courses offered at CSU International Programs study centers abroad are equivalent to courses in the Department of Anthropology and Geography and may be used to fulfill requirements for degree options offered by the department and/or certain general education requirements. Students should consult the International Programs Bulletin (available at the circulation desk of the Library), a departmental adviser, and/or the campus International Programs adviser for more information.

Course Descriptions

Lower Division

ANTH 2060 Introduction to Cultural Anthropology (3 units)

Introduction to the study of human culture and social institutions, with special emphasis on band, tribal, chiefdom, and state/peasant societies. Satisfies G.E. areas D2 and G. (CAN ANTH 4) (Fall, Winter, Spring)

ANTH 2080 Introduction to Physical Anthropology (3 units)

An introduction to the field of biological anthropology from genetic, evolutionary, behavioral, and cultural perspectives. Topics include the study of nonhuman primates, the fossil record of human evolution, techniques of forensic anthropology, paleopathology, human variation, and adaptability. Satisfies G.E. area D2. (CAN ANTH 2) (Fall)

ANTH 2090 Introduction to Archaeology (3 units)

Introduction to prehistory and culture growth; the basic theories, methods, and goals of archaeology; cultural and historical reconstructions based on the interpretation of data recovered from worldwide archaeological contexts. Satisfies G.E. area D2. (CAN ANTH 6)

ANTH 2950 Selected Topics in Anthropology (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of anthropology. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division

ANTH 3000 Anthropology and Global Issues (3 units)

An examination of the ways in which cultural anthropology can offer contemporary Americans a broad understanding of national/world events and problems. Global issues treated include the Third World, development, poverty and culture, education in modern society, the environment, and social change. Satisfies G.E. areas F3 and G. (Fall, Spring)

ANTH 3010 The Great Discoveries (3 units)

A survey of the great discoveries of the biological and cultural nature of humankind: past, present, and future. A study of evidence for early humans, "lost" civilizations, the decipherment of ancient languages, Stone Age people "discovered" in recent times, and the many great discoveries concerning the development of culture and social institutions in the study of bands, tribes, and civilizations of humankind. Satisfies G.E. area F3. (Fall, Spring)

ANTH 3020 Travelers in Time: Perspectives of the Past on the Present (3 units)

Through archaeological and ethnographic information, students will study past and present cultures and important landmarks in the development of civilization. The dynamic discipline of anthropology provides valuable insights into the past and meaningful solutions for modern human problems. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

ANTH 3070 Peoples and Cultures of Africa (3 units)

An ethnographic survey of selected contemporary and traditional societies and cultures of sub-Saharan Africa. Emphasis is placed on the varied effects of Western European culture on the peoples studied as well as the ongoing process of change in traditional customs and cultures. Satisfies G.E. areas F3 and G. Prerequisite: ANTH 2060 recommended or junior standing.

ANTH 3080 Peoples and Cultures of the Caribbean (3 units)

An ethnographic survey of selected contemporary societies in the Caribbean. Emphasis is placed on the relationship this region has had to the engagement between Western and non-Western cultures. Simultaneous enrollment in ANTH 4030 is recommended, but not required. Satisfies G.E. areas F3 and G.

ANTH 3090 Peoples and Cultures of Latin America (3 units)

An ethnographic survey of selected societies in Latin America. Emphasis is placed on the relationship this region has had to the engagement between Western and non-Western cultures. Satisfies G.E. areas F3 and G.

ANTH 3105 Peoples and Cultures of the Pacific (3 units)

(Formerly ANTH 3101) (Formerly Cultures of the Pacific) An ethnographic (cultural) survey of the native societies of the Pacific (Oceania) including Australia, Melanesia, Indonesia, and the Philippines, Micronesia, and Polynesia. Cultural change is emphasized as well as native traditions. Satisfies G.E. areas F3 and G. Prerequisite: ANTH 2060 recommended.

ANTH 3106 Peoples and Cultures of Asia (3 units)

(Formerly ANTH 3101) Examines the cultural diversity of Asian countries: China, Japan, Korea, the Philippines, India, and Southeast Asia. It is taught from the perspective of cross-cultural interaction between dominant and minority ethnic groups. Satisfies G.E. areas F3 and G.

ANTH 3200 Anthropological Studies of U.S. Culture (4 units)

In addition to their study of the world's exotic, remote, small-scale societies, anthropologists have recently begun to look at their own American culture and its institutions. Uses films, class discussions, lectures, and contemporary authors to examine American culture, i.e., world view, values, religion, marriage, family, enculturation, political, medical, and economic systems from the perspective of anthropologists at home. Prerequisite: ANTH 2060 recommended or junior standing.

ANTH 3301 Native Americans of Canada and the U.S. (3 units)

(Formerly The American Indian) An ethnographic (cultural) survey of selected contemporary and traditional Native American (American Indian) societies. Specifically included are the Canadian and United States groups with some emphasis placed on California cultures. Prerequisite: ANTH 2060 recommended.

ANTH 3320 Native Peoples of Latin America (3 units)

An ethnographic (cultural) survey of selected contemporary and traditional native Latin American folk (peasant) societies of Mexico, the Caribbean, Central and South America. Specifically included are Nahuatl (Aztec), Zapotec, Maya, Quechua (Inca), and other groups. Emphasis is placed on the varied effects of Western European culture on the peoples studied as well as their traditional customs and cultures. Prerequisite: ANTH 2060 recommended.

ANTH 3400–3499 Modern Ethnographic Studies (1-4 units)

Studies in the ethnography of various areas of the contemporary world. Course content may vary from term to term. Prerequisite: ANTH 2060 or junior standing.

ANTH 3500–3599 Studies in World Prehistory (1-4 units)

Studies of various prehistoric archaeology cultures. Course content may vary from term to term. Prerequisite: ANTH 2090 or junior standing.

ANTH 3600 Method and Theory in Archaeology (3 units)

Study of current methods in archaeology, emphasis on applied and theoretical procedures in data sampling, collection, and evaluation; survey of method and theory in excavation of archaeological sites; integration, analysis, and interpretation of archaeological phenomena. Prerequisite: ANTH 2090 or junior standing.

ANTH 3750 Human Evolution (3 units)

A critical examination of the fossil record of human evolution. Emphasizes how the paleoanthropologist integrates relevant archaeological, fossil, and molecular genetic evidence to understand and interpret human biocultural evolution. Prerequisite: Lower division course in anthropology or biology recommended.

ANTH 3760 Primates Past and Present (3 units)

Introduction to and description of non-human primates. Topics include diet, habitat, locomotion, behavior, comparative anatomy, and evolutionary history. Prerequisite: ANTH 2080 or consent of instructor.

ANTH 3780 Primate Social Behavior (3 units)

Survey of living nonhuman primate groups and their classification; geographical distribution, feeding habits, reproduction, and social behavior of these primates; the implications of nonhuman primate behavior for the understanding of human behavior. Prerequisite: ANTH 2080 or an introductory course in zoology or psychology.

ANTH 3900 Anthropology of Gender and Sexuality (WP) (3 units)

(Same as GEND 3900) (Formerly Women: A Cross-Cultural View) Comparative study of traditional and changing gender and sexuality roles, expressions, and identities in a wide range of contemporary cultures. Satisfies upper division writing proficiency requirement. Satisfies G.E. area G. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score; ANTH 2060 recommended or consent of instructor.

ANTH 4000 Current Trends in Anthropology (1-2 units)

A symposium on anthropology featuring speakers on their special areas of research, including current anthropological theories. Topics differ each term. May be repeated for no more than 4 units of credit towards the major. Prerequisite: One lower-division anthropology class recommended or consent of instructor.

ANTH 4030 Anthropology Through Film (1-4 units)

Introduction to audio-visual presentation of other cultures through ethnographic films. May be repeated for a maximum of 6 units.

ANTH 4040 Crossing Cultural Boundaries: The Field Work Process (4 units)

The practice of cultural anthropology in a research setting provides insights into the nature of the cross-cultural experience. This course examines that experience by using the original works of leading anthropologists. Other cultural anthropologists and their accounts will emphasize the processual nature of crossing cultural boundaries. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4130 Urban Subcultures: Chinatown (1 unit)

Students will travel independently to this natural urban setting for a one-day guided lecture tour and field observation. San Francisco's Chinatown, the largest Chinese settlement outside Asia, provides a unique opportunity to experience first-hand the interface of an ancient and modern culture. Historical and anthropological perspectives on the Chinese in America to be read prior to the field trip. A field journal and short paper are required to complete the course.

ANTH 4140 Urban Anthropology (3 units)

Survey of processes and trends in urbanization from a cross-cultural perspective. Emphasis will be on cities of the Third World and multicultural urbanization in the west. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4150 Anthropology of Religion (4 units)

(Formerly Comparative Religion) Anthropological approaches to the study of religious systems including magic, witchcraft, ritual, symbolism, and dynamic religious movements. Prerequisite: ANTH 2060 recommended.

ANTH 4165 The Family in Cross-Cultural Perspective (3 units)

Study of family life from a cross-cultural perspective. Topics covered include kinship structure; relationships between family members; the treatment of children, youth, the aged, and women; and the family's role in various cultures. Satisfies G.E. area G. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4170 Economic Anthropology (WP) (3 units)

(Formerly Business, Economics, and Anthropology) Study of the cultural dimensions of modern international business with consideration of economic systems of undeveloped traditional small-scale (tribal and peasant) societies. Satisfies upper division writing proficiency requirement. Prerequisites: Completion of Writing Proficiency Screening Test with a passing score; ANTH 2060 recommended.

ANTH 4181 Political Anthropology (3 units)

A survey of political anthropology that considers both past and present uncentralized (band, tribe, village, etc.) and centralized (chiefdom and state) political systems. Emphasis is placed upon the relationships between these various levels of political organization among contemporary peoples and on changes resulting from the incorporation of small scale societies into nation-states. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4200 Applied Anthropology and Social Change (4 units)

Study of changes resulting from contact between small-scale and industrialized societies. Consideration will be given to processes of social change and organized attempts to introduce change. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4210 Ethnomedical Anthropology (3 units)

Designed to provide an introductory overview of this new field within the discipline of anthropology, the course will trace the origins and scope of medical anthropology. Emphasis will be placed on both Western and non-Western cultures in order to examine the relationship between culture, health, and disease including the analysis of health care delivery systems and the roles of medical anthropologists within them. Prerequisite: ANTH 2060 or consent of instructor.

ANTH 4211 The World in Change (3 units)

A study of past and contemporary global issues with emphasis on the so-called modernization process, especially technological and agricultural development, industrialization and urbanization population, environment, and security issues affecting the 5000 known cultural groups. Satisfies G.E. area G. Prerequisite: ANTH 2060 recommended or consent of instructor.

ANTH 4221 Folk Literature and Arts (WP) (3 units)

A survey of folk literature (oral traditions, mythology, legends, folk tales, etc.) and the traditional arts and material culture (art, symbols, cottage industries, etc.) of small-scale (tribal and folk or peasant) societies. Satisfies upper division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; ANTH 2060 recommended or consent of instructor.

ANTH 4250 The Ethnoecology of Southeast Asia (4 units)

(Same as GEOG 4250) Drawing on case studies from Island and Mainland Southeast Asia (including southern China) this course explores the long history of human-environmental interaction in the region. We examine the causes of stress and instability in that interaction and the attempts to restore viable relationships and systems. Prerequisite: Senior standing or consent of instructor.

ANTH 4321 Historical Archaeology (5 units)

Methodology of historical archaeology. Theoretical orientation and field techniques applied to investigation of historical archaeology. Problem orientation, research designs, data acquisition, and interpretation are emphasized. Corequisite: ANTH 4323. Prerequisites: ANTH 2090 and consent of instructor. (Lecture, 3 hours; activity, 4 hours)

ANTH 4400 Observational Studies in Primate Behavior (1 unit)

Practical experience in the application of observational techniques to the study of monkeys and apes in nearby zoos. Structured workbook exercises guide the student through the methodology of research design and report preparation. May be repeated for a total of 3 units.

ANTH 4410 Talking Skeletons:**Case Studies in Forensic Anthropology (3 units)**

Utilizes a case study approach to demonstrate the application of analytical techniques, ethical responsibilities, and the training involved in the practice of forensic anthropology.

ANTH 4420 Bodies of Evidence (3 units)

Comprehensive study of the human skeleton. Topics include fundamentals of human osteology, bone biology, bone pathology, techniques of forensic anthropology, and the positive identification of human remains. Corequisite: ANTH 4422. (Lecture, 2 hours; laboratory, 2 hours)

ANTH 4500 Growth of Anthropology (4 units)

The history of exploration, discovery, and development of viewpoints in anthropology. The lives and stories of those men and women who found the fossil humans, the "lost" tribes, civilizations and languages, and established the science of anthropology as well as current debates shaping the discipline. Prerequisites: ANTH 2060 and consent of instructor. (Spring)

ANTH 4605 Archaeological Field Methods (5 units)

Techniques of site survey, sampling, and excavation with special emphasis on application of systematic field procedures, problem design, excavation, and recording of archaeological evidence under controlled field conditions in the Central Valley. May be repeated for a maximum of 10 units. Corequisite: ANTH 4603. Prerequisite: ANTH 2090 or equivalent recommended or consent of instructor. (Lecture, 2 hours; activity, 6 hours)

ANTH 4625 Directed Lab Research (2 units)

Application of laboratory methods in the study and analysis of archaeological specimens. Emphasis on lithic materials, pottery, and animal bone studies. Written laboratory reports to be prepared by students. Recommended to be taken in conjunction with ANTH 4605, Archaeological Field Methods. Prerequisites: ANTH 2090 and consent of instructor.

ANTH 4640 Archaeological Expedition (1-4 units)

Practical experience in archaeological procedures under actual field conditions. The course may include study of known archaeological sites, survey of archaeologically unexplored areas, or excavation of specific sites. Instruction includes research design and methods of implementation, reconnaissance, mapping, recording, testing, and excavation of archaeological data. Related studies include field photography, instrument survey, faunal identification, microanalysis, and expedition logistics. Individual initiative is encouraged. Prerequisites: ANTH 2090 and 4605 recommended or consent of instructor.

ANTH 4650 Ethnographic Field School (3 units)

(Formerly Caribbean Field School) Historical and ethnographic analysis of non-Western cultures through immersion. Includes training in qualitative and quantitative research strategies, ethnographic field techniques, language (where applicable), and archival/ethnohistoric research methods. Prerequisite: Consent of instructor.

ANTH 4700–4799 Studies in Physical Anthropology (1-4 units)

Studies in various aspects of physical anthropology such as faunal analysis, primate studies, human adaptability, and regional paleoanthropology.

ANTH 4900 Directed Field Research (1-5 units)

Field research conducted in any subdiscipline of anthropology under the direction of a specific faculty member. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

ANTH 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and department Co-op coordinator. May be repeated for a total of 8 units. Prerequisites: Sophomore standing and consent of departmental coordinator. (Fall, Winter, Spring)

ANTH 4940 Internship in Anthropology (1-6 units)

Designed for students who are serving as interns in public or private agencies. Students serve internship as arranged between the agency and the department. Prerequisites: 9 upper-division units in anthropology and consent of instructor.

ANTH 4950 Selected Topics in Anthropology (1-5 units)

(Topics to be specified in Class Schedule) Topics vary each term, thus different topics may be taken for credit. Corequisite: ANTH 4953. Prerequisite: Consent of instructor.

ANTH 4960 Senior Seminar (1-4 units)

Seminar for seniors in anthropology. Review and discussion of selected topics in anthropology. Each student is expected to report on an individual project. Prerequisite: Consent of instructor.

ANTH 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

ANTH 4990 Senior Thesis (3-5 units)

Methodology of anthropology. Research techniques applied to investigation of original problems. Problem orientation, research design, manuscript preparation, and publication are emphasized. Prerequisite: Consent of instructor.

Geography

Jennifer Helzer, Ph.D., *Program Director*

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Professors: Bowers, Karlstrom
Associate Professor: Helzer
Lecturer: Hauselt

Bachelor of Arts in Geography
with a concentration in Applied Geography
Liberal Studies degree concentration in Geography
Social Sciences degree concentration in Geography

Geography studies Earth's varied environments and the patterns and interrelationships resulting from human interaction with them. A major goal of the department is to provide students with meaningful knowledge of the world's cultures in their different physical settings.

The Department strongly supports field and international educational experiences and encourages students to investigate opportunities for fieldwork and overseas study. Certain courses offered at CSU International Programs study centers abroad are equivalent to courses in the Department of Anthropology and Geography and may be used to fulfill requirements for degree options. Discuss the possibilities with a departmental adviser.

Bachelor of Arts in Geography

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (6 units):
 - a. GEOG 2010 Introduction to Physical Geography, 3 units
 - b. Complete one of the following:
 - GEOG 2020 Introduction to Cultural Geography, 3 units
 - GEOG 2400 World Regional Geography I, 3 units
 - GEOG 2410 World Regional Geography II, 3 units
3. Complete the major of not less than 36 upper-division units as approved by the major adviser. Four units of CR-graded coursework in courses graded exclusively CR/NC may apply toward the major
4. Completion of a minor is recommended but not required.

Note: Students are expected to take additional courses in supporting fields that relate to their career interests. See adviser for further information.

The Major (36 units minimum)

- I. Complete 36 units of course work as follows:
 - a. Topical Human Geography (10 units minimum):
 - i. GEOG 3010 Cultural Geography or its equivalent, 3 units

Note: If Cultural Geography is taken at the lower-division level, GEOG 3020 (Human Ecology) should be taken to fulfill I. a.i.

 - ii. Complete two of the following courses:
 - GEOG 3020 Human Ecology, 3 units
 - GEOG 4070 Agricultural Geography, 4 units
 - GEOG 4350 Urban Geography, 4 units
 - b. Topical Physical Geography (6 units):

Complete the following two courses:

 - GEOG 3100 Climatology, 3 units
 - GEOG 4120 Geomorphology, 3 units
 - c. Regional Geography (6 units minimum):

Complete two of the following courses:

 - GEOG 3350 Geography of the Great Central Valley, 3 units
 - GEOG 3510 Geography of North America, 3 units
 - GEOG 3550 Geography of Europe, 3 units
 - GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 4 units
 - GEOG 4250 The Ethnoecology of Southeast Asia, 4 units

Note: With prior approval, certain other regional geography courses may be substituted for the courses listed above. See your adviser.
 - d. Methodology (6 units minimum):

Complete two of the following courses:

 - GEOG 3700 Cartography, 3 units
 - GEOG 4700 Geographical Processes in Arid Landscapes: Death Valley, 4 units
 - GEOG 4710 Field Methods (WP), 3 units
 - GEOG 4750 Geographic Information Systems, 3 units

Note: In the event that GEOG 4700 or 4710 is not available, see your adviser regarding a senior thesis option.
 - e. Upper-division Electives

Select electives to complete a total of at least 36 units, including those upper-division units listed above.

Applied Geography Concentration (36 units)

This concentration is designed to provide a core of geography courses which have a practical application in careers in computer mapping, city planning, public administration, or resource management.

1. Complete the prerequisites to the major (6 units)
2. Complete the following required methodology courses (12 units):
 - GEOG 3700 Cartography, 3 units
 - GEOG 3751 Introduction to Computer Applications in Geography, 3 units
 - GEOG 4301 Permaculture Applications in Diverse Environments, 3 units
 - GEOG 4710 Field Methods (WP), 3 units

3. Complete a minimum of 6 units from the following applied courses:
 - GEOG 4700 Geographical Processes in Arid Landscapes: Death Valley, 4 units
 - GEOG 4730 Computer Applications in Geography, 1-3 units
 - GEOG 4750 Geographic Information Systems, 3 units
 - GEOG 4930 Planning Issues, 1-2 units
4. Complete the following as per advisement (18 units):
 - a. Six units of Physical Geography
 - b. Three units of Regional Geography
 - c. Six units of Human Geography
 - d. Three units of upper-division Geography Electives

Minor in Geography

Requirements (18 units)

Complete 18 semester units approved by the minor adviser, including at least 15 units in upper-division courses. These upper-division units must include a minimum of one course from each of the following three categories:

1. Human Geography
2. Physical Geography
3. Regional Geography

Note: See the department for further information.

Liberal Studies Concentration in Geography

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Geography

Please refer to the Social Sciences program section of the catalog.

Teaching Credentials

Geography majors interested in a Single Subject Teaching Credential should review the Social Sciences Subject Matter Preparation Program in this catalog. Please refer to the Teacher Education section of the Graduate catalog for a description of other requirements to be completed for the Single Subject Credential.

Learning Objectives

Geography majors will:

- Demonstrate understanding of the interrelationships and interactions between society and the environment
- Demonstrate general awareness of the theories and philosophies underlying geographical inquiry.
- Demonstrate understanding of the natural and cultural processes that affect society and the environment in specific regions and locales.
- Acquire awareness of the diversity of peoples, places, and environments within a specific region or around the world.
- Acquire understanding of the causes of regional differences and of the policies developed to reduce these differences.

- Demonstrate knowledge of qualitative and quantitative research methodologies that may be applied to help our communities, monitor natural areas, plan sensible urban developments, and observe human trends.
- Acquire skills in geographic information science and understand the interpretive capacity of geospatial technologies, and their place in society.

Course Descriptions

Lower Division

GEOG 2010 Introduction to Physical Geography (3 units)

(Formerly Introduction to Natural Environment) Analysis of the distribution and character of major aspects of the natural environment, including weather, climate, landforms, soils, vegetation, and their significance and meaning to humans; humankind's impact on and use of these elements. Satisfies G.E. area D2. (CAN GEOG 2) (Fall, Spring)

GEOG 2020 Introduction to Cultural Geography (3 units)

A broad-based geographical survey of major components of human culture, including forms of livelihood, religion, and language. An introduction to themes in the study of folk culture, popular culture, and settlement patterns. Satisfies G.E. areas D2 and G. (CAN GEOG 4)

GEOG 2400 World Regional Geography I: Europe and Asia (3 units)

(Formerly World Regional Geography) A regional analysis of Europe and Asia examining the spatial patterns of physical and human phenomena. Includes consideration of physical, cultural, historical, economic, and demographic characteristics. Satisfies G.E. area D2.

GEOG 2410 World Regional Geography II: Africa, Australia, and Latin America (3 units)

A regional analysis of Africa, Australia, and Latin America, examining the spatial patterns of physical and human phenomena. Includes consideration of physical, cultural, historical, economic, and demographic characteristics. Satisfies G.E. area D2.

Upper Division

GEOG 3010 Cultural Geography (3 units)

Study of wide-ranging cultural topics including geopolitics, religion, ethnicity, folk and popular culture, population and migration, agriculture and cities. Examines cultural geographical processes of diffusion, adaptation, representation, and place. Satisfies G.E. area G. Prerequisite: Junior standing. (Fall)

GEOG 3020 Human Ecology (3 units)

Study of environmental problems arising from human use of the earth's resources. Topics include population dynamics, natural resource management, land use, coastal preservation, energy resources, and humankind's relationship to nature. Satisfies G.E. area F3. (Fall, Spring)

GEOG 3100 Climatology (3 units)

The elements and controls of weather and climate; analysis of climatic regions of the world. Prerequisite: GEOG 2010 or consent of instructor.

GEOG 3300 Geography of Economic Activities (3 units)

Study of world economic activity from a geographic point of view; systematic analysis of agricultural, mining, and manufacturing patterns in the various regions of the world in relation to their natural and cultural settings. Considers locational determinants of human economic activities. Prerequisite: Junior standing or consent of instructor. (Normally offered alternate years)

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.

GEOG 3340 California Cultures and Environments (3 units)

Examines the natural, economic, political, and cultural processes that shape California's diverse physical and human environments. Topics include physiography, climate, hydrogeography, historic and contemporary settlement, and socio-economic issues. Satisfies G.E. area F3. (Fall)

GEOG 3350 Geography of the Great Central Valley (3 units)

Focuses on the character and complexity of the Great Central Valley by analyzing its physical environment, its people, and their relationship with both the land they occupy and the world beyond. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

GEOG 3510 Geography of North America (3 units)

Surveys the natural and human factors responsible for present patterns of settlement, land use, and cultural systems in the U.S. and Canada. Topics include physiography, climate, settlement, religion, politics, economics, and cities. Prerequisite: Junior standing or consent of instructor. (Spring)

GEOG 3550 Geography of Europe (3 units)

The regional geography of Europe, with emphasis on present-day patterns. Prerequisite: Junior standing or consent of instructor. (Fall)

GEOG 3580 Cultural Ecology of Southeast Asian Peoples (4 units)

(Replaces GEOG 3590) Examines the cultures of Southeast Asia and their lifestyles, emphasizing complex interrelations between cultures and their environments. Includes migration and acculturation issues related to Indochinese refugees. Satisfies G.E. area G.

GEOG 3650 Selected Topics in Regional Geography (1-3 units)

Regional emphasis or topic varies each semester. Course may be repeated. Prerequisite: Junior standing or consent of instructor.

GEOG 3700 Cartography (3 units)

Introduction to thematic cartography; fundamentals of cartographic portrayal including map design, compilation, computer drafting, and reproduction. Corequisite: GEOG 3702. Prerequisite: Three units of geography or consent of instructor. (Lecture, 2 hours; laboratory, 2 hours)

GEOG 3751 Introduction to Computer Applications in Geography (3 units)

Introduces computer systems and programs used in geographic research. Students will utilize systems and programs through the context of a class-wide geographic research problem. Corequisite: GEOG 3752. (Lecture, 2 hours; laboratory, 2 hours)

GEOG 3930 Historical Geography of the Central Mother Lode (1 unit)

An individually-paced, two-day field trip which involves following a trip guide to sites in and around the communities of Jamestown, Sonora, Columbia, Angels Camp, Murphys, Jackson, Volcano, Sutter Creek, Amador City, and Fiddletown. At each site, students are directed to play recorded lectures on topics ranging from early gold mines, mining methods, mining towns, local history, geography, and geology. (Fall, Spring)

GEOG 3940 Geography of the Sacramento-San Joaquin Delta (1 unit)

An individually paced, two-day field trip in the Sacramento-San Joaquin Delta. Videos and a detailed route notebook will guide students in a study of Delta physical and cultural patterns.

GEOG 3950 Historical Geography of the Northern Mother Lode (1 unit)

An individually paced, two-day field trip which involves following a trip guide to sites in and around the communities of Folsom, Coloma, Grass Valley, Nevada City, and North Bloomfield. At each site, students are directed to play recorded lectures on topics ranging from early gold mines, mining methods, mining towns, local history, geography, and geology. (Fall, Spring)

GEOG 3960 The Yosemite Region (1 unit)

Individually paced field trip of Yosemite National Park and its setting. Topics covered include geology, park history, environmental concerns, and park management. Course involves following an itinerary using a guidebook, maps, and taped discussions which are played in the field at designated locations. Takes two to three days depending on student travel plans. Student arranges own departure/return dates and own transportation.

GEOG 4000 Current Trends in Geography (1-2 units)

A symposium on geography featuring speakers on their special areas of research, including current theories and research approaches in geography. Topics differ each term. May be repeated for no more than 4 units of credit towards the major. Prerequisite: One lower-division geography class or consent of instructor.

GEOG 4050 Restorative Human Ecology (3 units)

A study of current approaches to restore human environmental balance for sustainability and environmental, community, and human health. Includes examination of the ethnecology of several indigenous cultures. Satisfies G.E. areas F3 and G. One of two paired courses in the G.E. Summit Program (Waking up to Nature: Ethics, Ecology, and Restoration Practices). Prerequisite: Consent of Summit Program Coordinator.

GEOG 4070 Agricultural Geography (4 units)

(Formerly GEOG 3070) Examines a variety of agricultural systems in the world from an agro-ecological approach. The natural resources and cultural factors which interact to shape and change agricultural systems are studied in detail. Prerequisite: One course in physical geography.

GEOG 4120 Geomorphology (3 units)

(Formerly GEOG 3120) Study and interpretation of the Earth's natural landforms; their distribution and the processes acting on them; includes consideration of landform evolution under varied climatic regimes. Prerequisite: GEOG 2010 or equivalent course in physical geography or consent of instructor.

GEOG 4210 Geographic Problems in the Developing World (3 units)

Analysis of natural and cultural conditions pertinent to development. Consideration of the role of geography in solution of development problems. Prerequisite: An introductory course in geography.

GEOG 4250 The Ethnecology of Southeast Asia (4 units)

(Same as ANTH 4250) Drawing on case studies from Island and Mainland Southeast Asia (including southern China), this course explores the long history of human-environmental interaction in the region. Examines the causes of stress and instability in that interaction and the attempts to restore viable relationships and systems. Prerequisite: Senior standing or consent of instructor.

GEOG 4301 Permaculture Applications in Diverse Environments (3 units)

(Formerly Geography and Environmental Planning) Examines permaculture approaches in humid tropics/subtropics, arid and semi-arid regions, mountain/cold climates, and urban areas. Prerequisite: Introductory physical geography course or consent of instructor.

GEOG 4350 Urban Geography (4 units)

Study of the spatial aspects of the city. Emphasis on the relationship of cities to each other and to the countryside, as well as on the internal structure and spatial dynamics of urban centers. Special consideration given to problems of the urban environment including urban sprawl, water and recreational needs, and controls of land use. Field trips may be required. Prerequisite: Junior standing or consent of instructor. (Spring)

GEOG 4610 Historical Geography of the United States (3 units)

A study of the evolution of cultural landscapes in the United States. Emphasis on initial and sequential settlement patterns, routes of diffusion and migration, and use of resources in light of cultural traditions. Comparative analysis of regional differences in material folk culture. Prerequisite: Junior standing or consent of instructor.

GEOG 4650 Seminar in Geography (1-3 units)

Topic or emphasis varies each semester; course may be repeated. Prerequisite: Six units of geography or consent of instructor.

GEOG 4700 Geographical Processes in Arid Landscapes: Death Valley (4 units)

Using field techniques in geography, the course analyzes geomorphic processes, climate characteristics, vegetation patterns and adaptations, and human impacts in an arid environment. Course is taught in Death Valley and is offered only winter term. Corequisite: GEOG 4703. Prerequisites: A course in physical geography and consent of instructor. (Lecture, 1 hour; activity, 6 hours)

GEOG 4710 Field Methods (WP) (3 units)

Methods of field observation; techniques of data collection and analysis; fieldwork and report writing required. Satisfies upper division writing proficiency requirement. Corequisite: GEOG 4713. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score. Six units in geography or consent of instructor. (Lecture, 2 hours; activity, 2 hours) (Fall)

GEOG 4720 Local Field Excursions (1 unit)

Provides students with directed field experiences, involving travel to and study of areas of special geographic significance such as Yosemite, Point Reyes, Mono Lake, and others. May be repeated to various destinations. Prerequisite: Consent of instructor.

GEOG 4730 Computer Applications in Geography (1-3 units)

A tutorial course for self-motivated students familiar with computer programs. Students will learn mapping techniques and geographic information systems from available software. Prerequisites: Consent of instructor and knowledge of cartography.

GEOG 4750 Geographic Information Systems (3 units)

The use of computers for input, storage, representation, analysis, and retrieval of spatial data for cartographic purposes; GIS as a tool in information management and decision-making. Corequisite: GEOG 4752. Prerequisites: Consent of instructor and computer experience. (Lecture, 2 hours; laboratory, 2 hours)

GEOG 4800 Survey of Geographic Thought and Literature (3 units)

Survey of the history and philosophy of geography, its place among the sciences and social sciences, and the major contributors to the development of modern scientific geography. Prerequisite: Consent of instructor.

GEOG 4900 Directed Field Research (1-5 units)

Field research conducted in any subdiscipline of geography under the direction of a specific faculty member. May be repeated for a total of 6 units. Prerequisites: Junior standing and consent of instructor.

GEOG 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students serve in private or public sector positions under the supervision of the employer and Department Co-op Coordinator. May be repeated for a total of 6 units. Prerequisites: Sophomore standing and consent of departmental coordinator. (Fall, Winter, Spring).

GEOG 4930 Planning Issues (1-2 units)

On an individual basis, students will attend a selection of urban and/or county planning meetings during one term and develop reports related to issues discussed. Must provide own transportation. Prerequisite: Consent of instructor.

GEOG 4940 Internship in Geography (1-6 units)

Designed for students who are serving as interns in public or private agencies. Students serve internship as arranged between the agency and the department. Prerequisites: Nine upper-division units in geography and consent of instructor.

GEOG 4950 Selected Topics in Geography (1-5 units)

(Topics to be specified in Class Schedule) Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

GEOG 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

GEOG 4990 Senior Thesis (3 units)

Senior thesis (a research topic to be agreed upon by the student and major professor). Geographic research and writing incorporating primary sources of data and geographic methods. Prerequisites: Senior standing, advanced course work in geography, and consent of instructor.

Department of Communication Studies

Peter DeCaro, Ph.D., *Chair*

Professors: Hilpert Jr., Jaasma, Sumser

Associate Professors: Burroughs, DeCaro, Harvey

Assistant Professors: Nainby

Lecturers: Huang, M., Liu

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Bachelor of Arts, Communication Studies

with options to specialize in:

Organizational Communication/Public Relations

Speech Communication

Liberal Studies degree concentration in Communication Studies

Social Sciences degree concentration in Communication Studies

Bachelor of Arts in Communication Studies**Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units).
2. Complete the following prerequisites to the major: (6 units):
 - a. Complete G. E. Area A1 by taking COMM 2000, Public Speaking, 3 units, or COMM 2110 Group Discussion Processes, 3 units.
 - b. Complete G. E. Area D2a by taking COMM 2011, Introduction to Communication Studies, 3 units or COMM 2200, Introduction to Mass Media, 3 units.
3. The following are Department recommendations for completing lower division requirements:
 - a. Complete Area E by taking CS 2000, Effective Computing, 3 units, or CIS 2000, Introduction to Computer Information Systems, 3 units.
 - b. Complete G. E. Area B3 by taking MATH 1600, Statistics, 4 units, or MATH 1610, Statistics for Decision Making, 3 units.
 - c. Complete Area A3 by taking COMM 2300, Argumentation and Critical Thinking, 3 units.
 - d. For those choosing the Organizational Communication/Public Relations option, JOUR 2150, Writing for the Media, 3 units, is strongly recommended.
4. Complete the major of not less than 34 upper-division units, as approved by the major adviser. Majors must take all courses counted toward the major for a letter grade if the letter grade option is available.
5. Students must achieve a C- grade or better in all prerequisites to the major.

6. Students must achieve a C- grade or better in all courses that count toward fulfilling the requirements for the major.
7. Students must achieve an overall average of 2.0 GPA or better in the major.
8. Students must complete a senior thesis, or project, or portfolio in a designated course in the option.
9. Completion of a minor is not required. However, the University rule for units in the minor is: half the units in the minor, plus one, must be used solely for the minor. This means that half the units, minus one unit, can count somewhere else in either General Education or in the major. Therefore, upper-division General Education courses may be counted as units in a minor.

The Major (34 units)

1. Complete the following required CORE courses (19 units)
 - COMM 3100 Advanced Interpersonal Communication, 3 units
 - COMM 3110 Organizational Communication, 3 units
 - COMM 3140 Persuasive Messages, 3 units
 - COMM 3200 Communication Theory (WP), 3 units
 - COMM 3900 Communication Research Methods, 4 units
 - COMM 4160 Intercultural Communication, 3 units
2. Complete the requirements for either the option in Organizational Communication/Public Relations or the option in Speech Communication.

Organizational Communication/Public Relations Option (15 units)

1. Complete the following three courses (9 units)
 - COMM 4170 Professional Interviewing, 3 units
 - COMM 4210 Public Relations, 3 units
 - COMM 4220 Technology and Communication, 3 units
2. Select two from the following courses (6 units)
 - COMM 4110 Organizational Communication Diagnosis and Design, 3 units*
 - COMM 4115 Communication for Leadership, 3 units
 - COMM 4120 Public Relations Campaigns, 3 units
 - COMM 4150 Nonverbal Communication, 3 units
 - COMM 4165 Communication in Global Organizations*
 - COMM 4190 Conflict and Communication, 3 units
 - COMM 4200 Mass Media Theory and Research, 3 units*

Speech Communication Option (15 units)

1. Select two of the following courses (6 units)
 - COMM 3150 Advanced Presentational Speaking, 3 units
 - COMM 4050 Relational Communication, 3 units*
 - COMM 4140 Rhetorical Theory (WP), 3 units
2. Select one of the following courses (3 units)
 - COMM 4100 Group Communication, 3 units*
 - JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
 - JOUR 3040 History of Journalism, 3 units

3. Select two of the following courses (6 units)
 - COMM 4020 Communication in the Classroom, 3 units
 - COMM 4030 Communication Research Analysis, 3 units*
 - COMM 4040 Gender Communication, 3 units
 - COMM 4060 Family Communication, 3 units
 - COMM 4130 Communication and Aging, 3 units
 - COMM 4180 Health Communication, 3 units

*Students can elect to complete a senior thesis, project, or portfolio in any of these courses.

Note: No substitutions will be accepted for the core courses. In the other areas, faculty advisers may make up to two substitutions. These substitutions can come from the other courses in the Speech Communication option or the Organizational Communication/Public Relations option.

Minor in Speech Communication

Requirements (18 units)

1. Complete the required lower-division course (3 units):
 - COMM 2011 Introduction to Communication Studies, 3 units, **or**
 - COMM 2200 Introduction to Mass Media, 3 units
2. Complete one of the following (3 units):
 - COMM 2000 Public Speaking, 3 units, **or**
 - COMM 2110 Group Discussion Processes, 3 units
3. Complete one of the following (3 units):
 - COMM 3100 Advanced Interpersonal Communication, 3 units, **or**
 - COMM 4800 First and Second Language Acquisition, 3 units, **or**
 - COMM 4160 Intercultural Communication, 3 units
4. Complete 9 units of upper-division courses approved by the minor adviser.

International Path to the Major

The Department of Communication Studies supports the concept of international education and encourages students to investigate opportunities for overseas study. Below are several options to consider:

1. Semester in Denmark:

Students may elect to complete the Spring semester in their Junior or Senior year at Aarhus School of Business in Denmark. Students desiring this should select the Organizational Communication/Public Relations option in the major, completing the major with either of the following groups of substitutions to be taken at Aarhus. (Students should note that a semester at Aarhus is equivalent to approximately 20 units at CSU Stanislaus. The units referred to here are listed at the CSU Stanislaus conversion rate.)

- a. Semester at Aarhus including the following two 10-unit courses:
 - i. Organizational Communication, Course No. 21742 at Aarhus (equivalent to 10 units at CSU Stanislaus), replacing both COMM 3110 Organizational Communication and COMM 4110 Organizational Communication Diagnosis and Design **and**
 - ii. Intercultural Communication, Course No. 21753 at Aarhus (equivalent to 10 units at CSU Stanislaus), replacing both COMM 4160 Intercultural Communication and COMM 4165 Communication in Global Organizations.
- b. Semester at Aarhus including the following one 10-unit course and three 3-unit courses:
 - i. Intercultural Communication, Course No. 21753 at Aarhus (equivalent to 10 units at CSU Stanislaus), replacing both COMM 4160 Intercultural Communication and COMM 4115 Communication for Leadership.
 - ii. Business and Management Communication, Course No. 10290 at Aarhus (equivalent to 3 units at CSU Stanislaus), replacing COMM 3110 Organizational Communication, **and**
 - iii. E-commerce and the Information Economy, Course No. 17103 at Aarhus (equivalent to 3 units at CSU Stanislaus), replacing COMM 4220 Technology and Communication **and**
 - iv. Intercultural Communication in a European Context, Course No. 21120 at Aarhus (equivalent to 3 units at CSU Stanislaus), replacing COMM 4165 Communication in Global Organizations.

2. Year in Sweden:

Students may elect to complete their senior year at Uppsala University, Sweden in the International Media and Communication Studies program. Prerequisites include completion of all lower division requirements, completion of English composition with a "B" grade or better or advanced placement in English, and an overall GPA of 2.75. It is also strongly recommended that students complete a course in Modern European History.

Students desiring this year at Uppsala should select the Organizational Communication/Public Relations option in the major. The following courses must be completed at CSU Stanislaus:

9 units of upper-division General Education

COMM 3100 Advanced Interpersonal Communication, 3 units

COMM 3140 Persuasive Messages, 3 units

COMM 3900 Communication Research Methods, 4 units

A WP course, either COMM 3200 Communication Theory, 3 units **or**

COMM 4140 Rhetorical Theory, 3 units

A minimum of 88 units of the 120 required to graduate (including community college units)

The following courses at Uppsala will complete the core and fulfill the requirements in the Organizational Communication/Public Relations option in the major:

Fall Semester:

Media Analysis at Uppsala, replacing COMM 4210 Public Relations

Communication Theory at Uppsala, replacing COMM 3200 Communication Theory
(note that the student must still complete a WP course at CSU Stanislaus)

Regulating Media and Communication at Uppsala, replacing

COMM 4160 Intercultural Communication

Spring Semester:

Media Policy and Development and Uppsala, replacing COMM 4200 Mass Media Theory and Research

Organizational Communication at Uppsala, replacing COMM 3110 Organizational Communication

Communication and Negotiation at Uppsala, replacing COMM 4190 Conflict and Communication

International Media and Communication at Uppsala, replacing COMM 4165 Communication in Global Organizations

Note: For students electing this course of study, their capstone project would consist of submission of a portfolio or reflective papers about their global experience undertaken in this year in Sweden.

Students may elect other international programs as available. See the Office of International Education for information and consult with your academic adviser in the Department.

Liberal Studies Concentration in Communication Studies

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Communication Studies

Please refer to the Social Sciences program section of the catalog.

Teaching Credentials

An approved single subject matter preparation program is available to Communication Studies majors who wish to declare English as their subject matter teaching area, with applicable courses on advisement. Please refer to the Teacher Education section of the Graduate Catalog for a description of other requirements to be completed in obtaining a single subject credential.

Learning Objectives

Students are expected to achieve the following competencies:

- Demonstrate an understanding of the theories and research processes used by communication scholars.
- Apply the understanding of theories and research to the design and evaluation of original research proposals and projects.
- Practice and demonstrate competence in the ability to speak in a variety of communication contexts.
- Practice and demonstrate competence in the ability to work effectively in groups.
- Demonstrate their ability to write effectively in a variety of communication contexts.
- Demonstrate critical thinking by analyzing and evaluating communication products and processes using relevant communication frameworks.
- Apply an ethical framework to communication interactions.
- Demonstrate an understanding of the variety of communication practices found in a multicultural and globalized society.

Course Descriptions

Lower Division

COMM 2000 Public Speaking (3 units)

Oral communication theory and practice in terms of the process, speaker, message, and audience. Emphasis on ethics, reasoning, evidence, listening, and criticism. Classroom activities include preparation, presentation, and criticism of speeches. Satisfies G.E. Area A1. (CAN SPCH 4) (Fall, Spring)

COMM 2005 Honors Communication Seminar (3 units)

Oral communication theory and practice in terms of the process, speaker, message, and audience. Emphasis on ethics, reasoning, evidence, listening, and criticism. Classroom activities include preparation, presentation, and criticism of speeches. Satisfies G.E. Area A1. Open only to students in the University Honors Program. (Spring)

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)

COMM 2110 Group Discussion Processes (3 units)

The development of basic skills in small group communication. Study of and practice in discussion methodology, types of discussion groups, information gathering, problem solving, decision-making, and leadership roles. Satisfies G.E. Area A1. (CAN SPCH 10) (Summer, Fall, Winter, Spring)

COMM 2200 Introduction to Mass Media (3 units)

Provides an overview of historical, theoretical, economic, and societal perspectives on the mass media. Topics of special interest will include violence, pornography, advertising, learning, and politics as related to the media. Satisfies G.E. Area D2. (CAN JOUR 4) (Spring)

COMM 2300 Argumentation and Critical Thinking (3 units)

Introduction to argumentation, emphasizing critical thinking and reasoning. The process of constructing and evaluating sound arguments based on reasoning, evidence, and strategy. Analysis of legal, political, commercial, and academic argumentation and persuasion in oral and written forms of argumentation. Satisfies G.E. Area A3. Prerequisites: Completion of A1 and A2 G.E. requirements. (Spring)

COMM 2911 Communication Projects (2 units)

Project course for involvement of the student in a variety of speech and/or instructional related activities. Options include such projects as campus speech activities, broadcasting, and participation in community projects. May be repeated for a total of 8 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

COMM 2950 Selected Topics in Speech (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of speech communication. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division

COMM 3100 Advanced Interpersonal Communication (3 units)

Structure and communication processes in two-person relationships. A review of the history, current theories, and research findings in such areas as interpersonal attraction, mate selection, compatibility, power, love, sex roles, conflict, and divorce. Alternative forms of close relationships are analyzed, including friendship, cohabitation, and homosexual relations. Satisfies G.E. Area F3. (Fall, Spring)

COMM 3110 Organizational Communication (3 units)

Theory, problems, and practices of communication in organizations. Examination of organizational communication systems, cultures, and contemporary developments related to ethics and technology. Prerequisite: Junior standing, or consent of instructor. (Fall, Spring)

COMM 3120 Management Communication (3 units)

The study and practice of communication principles, techniques, and forms required of managers in the organizational context. Emphasis upon message preparation and exchange in interviews, technical reports, panel-conferences, and public presentations. Prerequisite: Junior standing or consent of instructor.

COMM 3140 Persuasive Messages (3 units)

Examination of the logical and psychological principles used in oral and written persuasive messages. Students will analyze the persuasive process and develop effective rhetorical messages. Ethical responsibility of the communicators will be considered. Prerequisites: Communication Studies majors only, junior standing, or consent of instructor. (Fall, Spring)

COMM 3150 Advanced Presentational Speaking (3 units)

Study and practice of advanced presentational speaking in professional/business settings. Emphasis upon delivery, organizational strategies, adapting to diverse audiences, and how to use new technology. Prerequisite: Completion of G.E. Area A-I such as COMM 2000 or consent of instructor (Spring).

COMM 3200 Communication Theory (WP) (3 units)

(Formerly COMM 4000) Covers primary communication theories, both verbal and nonverbal. Particular attention is given to macro theories, derivative theoretical extensions, and new paradigms. Communication contexts encompass interpersonal to mass media and cultural communication theories. Considers the purpose, goals, and criteria used in the evaluation of a communication theory. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score. Junior standing. (Summer, Fall, Spring)

COMM 3400 Oral Interpretation of Children's Literature (3 units)

Application of principles of oral interpretation to children's literature. Types of children's literature with emphasis on criteria for selection of literature for oral interpretation, story telling, as well as reading. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry) Prerequisite: COMM 2000, or COMM 2110, or consent of instructor. (Fall, Spring)

COMM 3500 Web Design and Analysis (3 units)

Principles of web design and usability using human-centered design principles. Practice and theory of user research including usability testing, interviews, and task analysis. Students will learn a sampling of the human-centered design techniques and have the opportunity to apply them to real-world problems.

COMM 3550 News from the Front: Media and Public Perception (3 units)

Examines the role played by the media in shaping public perceptions of conflicts and the role played by nationalism, socioeconomic interests, media practices, and values in shaping media content. Satisfies G.E. areas F3 and G. Prerequisite: Completion of lower-division G.E. area C2 requirements.

COMM 3900 Communication Research Methods (4 units)

Designed to acquaint students with forms of research in speech communication. Samples from the research literature will be studied from the points of view of the research problems posed, the designs employed, and the techniques required. Prerequisites: COMM 2011 or 2200 and junior standing or consent of instructor. (Fall, Spring)

COMM 3930 Community Forensics Practicum (2 units)

Provides an opportunity to prepare for and participate in community forensics competition. Laboratory preparation offered for inexperienced participants prior to public presentation. Includes debate and individual speaking events. May be repeated for a total of 8 units. Prerequisite: COMM 2300 or ENGL 2000 or PHIL 2000 or consent of instructor.

COMM 3960 Communication Careers (1 unit)

(Formerly Communication Colloquium) Identifies and explores some of the career options available to Communication Studies graduates. An overview of resources and opportunities provided by the Department of Communication Studies and the University will also be provided. (Fall, Spring)

COMM 4020 Communication in the Classroom (3 units)

(Formerly COMM 3020) This course focuses on classroom communication such as listening, perception, verbal and nonverbal messages, and instructional strategies. It includes a communication analysis of a classroom observation and the introduction of creative dramatics techniques. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry) (Fall, Spring)

COMM 4030 Communication Research Analysis (3 units)

Explores the formulation of research designs used in communication research techniques. Focuses on the nature of measurement, data analysis, and interpretation of findings. Includes the use of computer programs used in the calculation and reporting of results. Will involve understanding and performing basic research. Prerequisite: COMM 3900 or consent of instructor. (Fall)

COMM 4040 Gender Communication (3 units)

(Same as GEND 4040) This course examines the relationship between gender and communication, explores theories of gender development and identify, analyzes gendered verbal and nonverbal communication, and looks at gender in specific settings. (Spring)

COMM 4050 Relational Communication (3 units)

(Formerly New Rules for Social Relationships) Analyzes in detail a variety of recently emerging relationship forms and the underlying values they express. New forms such as cohabitation, intimate friendships, homosexual relationships, the single parent family, dual career marriage, childless marriage, and the blended family are examined to reveal important themes in contemporary society. Among these are a belief in autonomy, self-fulfillment, equalitarianism, rolelessness, impermanence, exchange orientation, emotional distance, and the primacy of career over parenting. Prerequisites: COMM 3900 and either COMM 3200 or COMM 4140, or consent of instructor. (Spring)

COMM 4060 Family Communication (3 units)

Analyses of the family as a communication system, including the role of communication in family decision-making, expressing intimacy, using power, managing conflicts, achieving interdependence and socializing children. Prerequisite: Junior standing or consent of instructor. (Fall)

COMM 4100 Group Communication (3 units)

Studies in small group theory and research. Participation in informal task groups devoted to such concepts as cooperation and competition, power, roles, status, and leadership as these relate to the variables of communication and productivity. Prerequisites: COMM 3200 or COMM 4140, and COMM 3900, or consent of instructor. (Fall)

COMM 4110 Organizational Communication Diagnosis and Design (3 units)

(Formerly Organizational Communication) Application of research methods in the diagnosis of organizational communication processes and the design of communication training to meet organizational needs. Develops skills in the study of organizational communication cultures based upon prior research and the development and conduct of organizational communication training. Provides option for service learning component. Prerequisites: COMM 3200 or COMM 4140, and COMM 3900, or consent of instructor.

COMM 4115 Communication for Leadership (3 units)

Study and analysis of communication patterns for leadership. Emphasis upon classical (such as trait, behavioral, contingency) and contemporary (charismatic, transformational, servant, team) leadership communication theories, including multidisciplinary perspectives. Prerequisite: COMM 3110, 3140, or consent of instructor. (Fall)

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 and either COMM 3200 or COMM 4140, or consent of instructor. (Spring)

COMM 4130 Communication and Aging (3 units)

Provides a framework for better understanding the process of cross-generational communication and the improvement of communication competencies for interaction with older persons. Covers such topics as interpersonal communication dispositions of the long living, sensory barriers to effective communication, communication perspectives in social psychological theories of aging, and the influence of context. Prerequisite: Junior standing or consent of instructor. (Winter)

COMM 4140 Rhetorical Theory (WP) (3 units)

Rhetorical theory from classical to modern times. Influence of Aristotelian principles on development of rhetorical thought. Significant movements in development of rhetoric in France, Great Britain, and United States. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score. Junior standing. (Spring)

COMM 4150 Nonverbal Communication (3 units)

Relationships of nonverbal communication with establishing, maintaining, and developing inter personal interaction. Relationships between verbal and nonverbal components of communication. Recent trends that contribute to theories of nonverbal communication. Prerequisite: Junior standing or consent of instructor. (Spring)

COMM 4160 Intercultural Communication (3 units)

Examines intercultural communication on the interpersonal level. In particular, it looks at the ways in which cultural differences can lead to misunderstandings. As such, the cultural assumptions brought to the interpersonal communication encounter will be explored. Through such inquiry, insights will be obtained about communicating competently with persons of other cultures. Satisfies G.E. area G. Prerequisite: Junior standing or consent of instructor. (Summer, Fall, Winter, Spring)

COMM 4165 Communication in Global Organizations (3 units)

(Formerly Communication in Multinational Organizations) Examines intercultural and international communication theory, research, and practices in global organizations. Issues include cultural knowledge, identity, corporate diversity, acculturation, language, nonverbal messages, conflict styles, ethics, and communication competence in multinational and global organizations. Prerequisites: COMM 4160, and either COMM 3200 or COMM 4140, or consent of instructor.

COMM 4170 Professional Interviewing (3 units)

Considers interviewing from a communication process perspective. Provides understanding and experience in developing skills and techniques applicable in various interview contexts: selection, appraisal, exit, and research. Covers pre-interviewing planning, interview techniques, current EEO laws and standards, and post-interview processes. Useful for students in Business Administration, Education, Social Sciences, and Communication Studies. Prerequisite: Junior standing or consent of instructor. (Fall, Spring)

COMM 4180 Health Communication (3 units)

Provides a framework for better understanding the processes and theories of Health Care Communication, and the improvement of communication competencies for interaction between Health Care professionals and the public they serve. Covers interpersonal, group, and organizational contexts. Also, examines intercultural and ethical elements of Health Care Communication. Prerequisites: COMM 3140 and COMM 3900, or consent of instructor. (Winter)

COMM 4190 Conflict and Communication (3 units)

Introduces students to the theory and practice of conflict management with emphasis on the role of communication. Prerequisite: COMM 3200 or COMM 4140, or consent of instructor. (Fall)

COMM 4200 Mass Media Theory and Research (3 units)

(Formerly Mass Communication Perspectives) Examines the role played by the mass media in shaping societies and perceptions of societies, with special emphasis on images of cultures in an international context. The focus of the course is on the interaction between mass media theory and research. Prerequisites: COMM 3900 and either COMM 3200 or COMM 4140, or consent of instructor. (Spring)

COMM 4210 Public Relations (3 units)

A perspective on public relations as integrated into overall workings of public and private organizational strategy and tactics. Key processes required in practice of public relations and standards required for professionalism. (Fall, Spring)

COMM 4220 Technology and Communication (3 units)

Course will survey various forms of computer-mediated communication and give students an understanding of how information and communication technologies create constraints and opportunities for social change, identity formation, and relationship building. Theoretical approaches to the study of technology and communication will be discussed. Students will leave the course with a solid understanding of the ways in which the Internet has changed the way we think about and form relationships and communities. Satisfies G.E. area F3.

COMM 4400 Visual Communication (3 units)

Introduction to the use of visual elements in communication, including how visual information, both physiologically and socially, is processed. Special emphasis will be placed on how the multimedia presentation of messages impacts meaning. Prerequisite: COMM 3200 or COMM 4140 or COMM 4200, or consent of instructor. (Fall)

COMM 4800 First and Second Language Acquisition (3 units)

(Formerly COMM 3010) Designed for liberal studies majors interested in obtaining the elementary teaching credential. Examines the theoretical, linguistic, physical, social, cognitive, and educational aspects of both first and second language acquisition. Prerequisite: Consent of instructor. (Fall, Spring)

COMM 4920 Communication Practicum (1-4 units)

Placement in a profit/non-profit agency for professional development and integration of pedagogy with field experience. Journal/reflection paper and conferences with the department coordinator required. May be repeated for a total of 8 units dependent on the approval of the student's adviser. Prerequisites: At least sophomore standing and consent of the department coordinator.

COMM 4940 Organizational Communication Internship (2-4 units)

Designed for students in Organizational Communication who want to apply, integrate, and explore their educational experience as an intern in a public or private organization. May be repeated for credit. Prerequisite: Completion of 20 units in the Organizational Communication/Public Relations option. (Fall, Spring)

COMM 4950 Selected Topics in Communication Studies (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of human communication. Topics may vary each term, thus different topics may be taken for credit. Prerequisites: Upper-division standing and consent of instructor.

COMM 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Minor in Journalism

Peter DeCaro, Ph.D., *Director*

Office: Demergasso-Bava Hall 125
Phone: (209) 667-3371

Journalism is a degree minor in the Department of Communication Studies that is open to students in any major. It is designed to provide an academic background in aspects of mass communication applicable to work in the public media including newspapers, broadcasting, public relations, and public information functions of businesses and public service organizations. Opportunities for practical media experience and internship training are a feature of the curriculum in the minor.

Requirements (18 units)

1. Complete JOUR 2150 Newswriting, 3 units
2. Complete the following courses (9 units):
 - a. JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
 - b. JOUR 3040 History of Journalism, 3 units, **or**
COMM 4200 Mass Media Theory and Research, 3 units
 - c. JOUR 3012 Journalism Laboratory, 3 units, **or**
JOUR 3112 Radio Production Laboratory, 3 units, **or**
JOUR 4940 Journalism Internship, 2-4 units
3. Select six units of elective courses.

Note: Up to 6 units of the 18-unit total may be taken CR/NC.

Course Descriptions**Lower Division****JOUR 2150 Writing for the Media (3 units)**

(Formerly Newswriting) Students will develop an in-depth understanding of print and electronic journalism's methods of news writing, gathering information, reporter assignments, and the legal and ethical issues in journalism. (CAN JOUR 2)

Upper Division**JOUR 3012 Journalism Laboratory (3 units)**

A practical course in newspaper writing with the emphasis on timely coverage of campus and area events and personalities: feature writing, interviews, human interest, student government reporting, photo judgment, and some newspaper layout and headline writing. Will culminate in the public distribution of a newspaper. May be repeated two times for a total of 9 units. Prerequisites: A "B" grade or higher in JOUR 2150 or equivalent; and word processing. (Fall, Spring)

JOUR 3020 Communication and the Web: Web Production (3 units)

(Formerly News Editing and Copy Preparation) The practice of journalism has been greatly impacted by technological changes in the last decade. This course gives students the tools and knowledge necessary to practice online journalism on the World Wide Web. Students will become familiar with writing and editing for the Web, Internet ethical and legal issues, basic layout and design principles, and the technologies and computer applications necessary to create journalistic content for the Web. The course also covers weblogs and other new journalistic practices.

JOUR 3025 Photojournalism (2 units)

Theory and practice of photojournalism. Value of the photograph in mass media and its communication of news in newspapers and magazines; photographic news assignments and development of news photo essays. Prerequisite: Consent of instructor. (Fall)

JOUR 3030 Freedom of Speech and Press: Contemporary Issues (3 units)

Examines selected issues in freedom of speech and press as embodied in communications law, the Bill of Rights, and the Constitution of the United States. Emphasis on the First and Fourteenth Amendments, to include understanding of clear and present danger, libel and slander, pornography, privacy, and public access to information. Considers functions of American legal system in resolving civil and criminal cases regarding communications. Satisfies G.E. area F3. Prerequisite: Junior standing or consent of instructor. (Fall, Spring)

JOUR 3040 History of Journalism (3 units)

A historical survey of the evolution of American journalism from the colonial period to the present. Satisfies G.E. area F3. (Fall)

JOUR 3112 Radio Production Laboratory (3 units)

A laboratory course in the fundamentals of radio broadcasting and production. Training in audio console operation, use of broadcast equipment, program formats, FCC rules and regulations, and announcing. Students will apply their skill at the university's radio station KCSS. May be repeated one time for a total of six units. Prerequisite: Consent of instructor. (Fall, Spring)

JOUR 4940 Journalism Internship (2-4 units)

Designed for students in journalism who want to apply their educational experience as an intern in a public or private organization. May be repeated for credit. Prerequisite: JOUR 2150, 3012, or 3112, or consent of instructor. (Fall, Spring)

Department of Criminal Justice

Phyllis Gerstenfeld, Ph.D., J.D., *Chair*

Professors: Chiang, Gerstenfeld

Associate Professors: Nelligan

Assistant Professors: Bourns, Cheryachukin, Gao, Morris, Werling, Younglove

Lecturer: Helfer

Office: Bizzini Hall 213

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**Bachelor of Arts in Criminal Justice
with a General concentration, or
Concentrations in Law Enforcement, Corrections, or
Forensic Science**

Minor in Forensic Science

Minor in Criminal Justice

Master of Arts in Criminal Justice*

Social Sciences degree concentration in Criminal Justice

**See the Graduate Catalog.*

The Bachelor of Arts in Criminal Justice program offers an appreciation of the full complexity of American criminal justice and permits students the opportunity to understand fully the social, legal, and technical processes within the various criminal justice agencies. The major requires the study of a variety of courses pertaining to the administration of criminal justice and an equal number of courses on the nature of criminal behavior, as well as its social and psychological causes. The concentrations require completion of the lower-division prerequisites, the required core courses, and the requirements of the concentration.

To prepare students for careers in highly competitive criminal justice positions, the department offers students (1) the courses rated by criminal justice alumni and professionals across the United States as being the most valuable in the broad criminal justice field; (2) the courses determined by the criminal justice faculty to be the most innovative, practical, and relevant to contemporary social and political criminal justice issues; and (3) internships in forensics science, law enforcement, prosecutorial, judicial, legal defense, corrections, and other branches of the criminal justice field.

Bachelor of Arts in Criminal Justice

The student may request that the criminal justice faculty waive up to 9 upper-division units of criminal justice coursework based on documented completion of related college coursework and/or work experience.

Requirements

1. Complete the University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (15 units):
 - CJ 2250 Introduction to Criminal Justice, 3 units
 - CJ 2260 Evidence, 3 units
 - CJ 2270 Criminal Investigations, 3 units
 - CJ 2280 Criminal Law, 3 units
 - CJ 2450 Criminal Judicial Process, 3 units
3. For the General concentration, or concentrations in Corrections and Law Enforcement, complete no less than 39 upper-division units in Criminal Justice and specific Sociology courses.
4. For the Forensic Science concentration, complete no less than 47 upper-division units. The degree in Criminal Justice with a Forensic Science concentration requires the completion of no less than 62 units total.
5. Maintain a grade point average of 2.00 or better in the major. Completion of a minor is not required.

The Major (39 upper-division units)

Complete these core courses required of all concentrations (21 units):

- CJ 3100 Legal Research and Writing, 3 units
- CJ 3120 Causes of Crime, 3 units
- CJ 3170 Criminal Justice Research Methods (WVP), 4 units
- CJ 4141 Criminal Procedures I, 3 units
- CJ 4151 Criminal Procedures II, 4 units
- CJ 4230 Juvenile Justice, 4 units

General Concentration

(18 units minimum)

The following are required to complete the Criminal Justice major (54 units total) with a General concentration:

- a. Lower-division prerequisites, 15 units
 - b. Core courses, 21 units
 - c. Concentration courses, 18 units
1. Complete the following courses (9 units):
 - CJ 3130 Administration of Corrections, 3 units
 - CJ 3160 Administration and Management in Law Enforcement, 3 units
 - CJ 4925 Historical and Contemporary Criminal Justice, 3 units
 2. Complete 3 of the following courses or other upper-division courses with approval of academic adviser (9 units minimum):
 - CJ 3230 Police Ethics and Civil Liability, 3 units
 - CJ 3235 Domestic Violence and Intimate Abuse, 3 units
 - CJ 3315 Hate Crimes, 3 units
 - CJ 3460 White Collar Crime, 3 units
 - CJ 3500 Jury Selection and Decision Making, 4 units
 - CJ 3800 Crime Prevention and Schools, 3 units

- CJ 4030 Criminal Justice Research Analysis, 4 units
- CJ 4135 Correctional Law, 3 units
- CJ 4150 Probation and Parole, 3 units
- CJ 4175 Capital Crimes and the Death Penalty, 3 units
- CJ 4915 Sex Crimes and Gender Issues in Criminal Justice, 3 units
- CJ 4940 Criminal Justice Internship, 3 units
- CJ 4950 Selected Topics in Criminal Justice, 2-4 units
- CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units
- SOCL 3130 Juvenile Delinquency, 3 units
- SOCL 4170 Victimology, 3 units

Corrections Concentration

(18 units minimum)

The following are required to complete the Criminal Justice major (54 units total) with a Corrections concentration:

- a. Lower-division prerequisites, 15 units
 - b. Core courses, 21 units
 - c. Concentration courses, 18 units
1. Complete the following courses (9 units):
 - CJ 3130 Administration of Corrections, 3 units
 - CJ 4135 Correctional Law, 3 units
 - CJ 4150 Probation and Parole, 3 units
 2. Complete 3 of the following 18 electives (9 units minimum):
 - CJ 3235 Domestic Violence and Intimate Abuse, 3 units
 - CJ 3315 Hate Crimes, 3 units
 - CJ 3350 Organized Crime, 3 units
 - CJ 3460 White Collar Crime, 3 units
 - CJ 3800 Crime Prevention and Schools, 3 units
 - CJ 4030 Criminal Justice Research Analysis, 4 units
 - CJ 4175 Capital Crimes and Death Penalty, 3 units
 - CJ 4250 Psychology of Criminal Behavior, 4 units
 - CJ 4260 Criminal Justice Seminar, 3 units
 - CJ 4915 Sex Crimes and Gender Issues in Criminal Justice, 3 units
 - CJ 4925 Historical and Contemporary Criminal Justice, 3 units
 - CJ 4940 Criminal Justice Internship, 3 units
 - CJ 4950 Selected Topics in Criminal Justice, 2-4 units
 - CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units
 - SOCL 3130 Juvenile Delinquency, 3 units
 - SOCL 3240 Social Deviance, 3 units
 - SOCL 4190 Treatment of the Offender, 3 units
 - SOCL 4920 Nutrition and Criminal Behavior, 4 units

Law Enforcement Concentration

(18 units minimum)

The following are required to complete the Criminal Justice major (54 units total) with a Law Enforcement concentration:

- a. Lower-division prerequisites, 15 units
 - b. Core courses, 21 units
 - c. Concentration courses, 18 units
1. Complete the following courses (9 units):
 - CJ 3160 Administration and Management in Law Enforcement, 3 units
 - CJ 3230 Police Ethics and Civil Liability, 3 units
 - CJ 3420 Community and Problem Oriented Policing, 3 units
 2. Complete 3 of the following 19 electives (9 units minimum):
 - CJ 3235 Domestic Violence and Intimate Abuse, 3 units
 - CJ 3315 Hate Crimes, 3 units
 - CJ 3350 Organized Crime, 3 units
 - CJ 3460 White Collar Crime, 3 units
 - CJ 3800 Crime Prevention and Schools, 3 units
 - CJ 4030 Criminal Justice Research Analysis, 4 units
 - CJ 4175 Capital Crimes and Death Penalty, 3 units
 - CJ 4250 Psychology of Criminal Behavior, 4 units
 - CJ 4260 Criminal Justice Seminar, 3 units
 - CJ 4915 Sex Crimes and Gender Issues in Criminal Justice, 3 units
 - CJ 4925 Historical and Contemporary Criminal Justice, 3 units
 - CJ 4940 Criminal Justice Internship, 3 units
 - CJ 4950 Selected Topics in Criminal Justice, 2-4 units
 - CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units
 - SOCL 3130 Juvenile Delinquency, 3 units
 - SOCL 3240 Social Deviance, 3 units
 - SOCL 4170 Victimology, 3 units
 - SOCL 4190 Treatment of the Offender, 3 units
 - SOCL 4920 Nutrition and Criminal Behavior, 4 units

Forensic Science Concentration

(25-26 units minimum)

1. The following General Education-breadth courses or their equivalents are 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
2. The following are required to complete the Criminal Justice major with a Forensic Science concentration (61-62 units total):
 - a. Lower-division prerequisites, 15 units
 - b. Core courses, 21 units
 - c. 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 coursework as approved by the adviser, 3-4 units

Minor in Forensic Science

(19 units)

1. 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
2. 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

Minor in Criminal Justice

(21 units)

Requirements

1. Complete the following lower-division courses (9 units):
 - CJ 2250 Introduction to Criminal Justice, 3 units
 - CJ 2280 Criminal Law, 3 units
 - CJ 2450 Criminal Judicial Process, 3 units
2. Complete 4 of the following upper-division courses or other upper-division courses with approval of academic adviser (12 units minimum):
 - CJ 3130 Administration of Corrections, 3 units
 - CJ 3160 Administration and Management in Law Enforcement, 3 units
 - CJ 3230 Police Ethics and Civil Liability, 3 units
 - CJ 4135 Correctional Law, 3 units
 - CJ 4141 Criminal Procedures I, 3 units
 - CJ 4150 Probation and Parole, 3 units
 - CJ 4230 Juvenile Justice, 4 units
 - CJ 4925 Historical and Contemporary Criminal Justice, 3 units
 - CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units

Learning Objectives

Students will be able to:

- Competently challenge theories, philosophies, values and methods associated with traditional perspectives on Criminal Justice in oral and written discourse
- Separate things into their constituent elements in order to study or examine them, see relationships, draw conclusions, or solve problems
- Effectively articulate ideas orally and in writing, using appropriate language and writing styles as commonly practiced in legal and social environments
- Identify and describe the nature and operation of the various components of the criminal justice system
- Transform the pedagogical information from lectures, course materials, assignments and research into an integrated body of knowledge relevant to the Criminal Justice field
- Recognize and understand the roles that race, ethnicity, class, gender, disability, sexual orientation and other facets of diversity have in Criminal Justice in a global context

Social Sciences Concentration in Criminal Justice

Please refer to the Social Sciences program section of the catalog.

Course Descriptions**Lower Division****CJ 2250 Introduction to Criminal Justice (3 units)**

Provides an overview of the criminal justice system. The focus is on the role of law enforcement, the courts, corrections, and their relationships. The definition, measurement, and causes of crime are also discussed. Satisfies G.E. area D2. (CAN AJ2) (Fall, Spring)

CJ 2260 Evidence (3 units)

A case study and statutory analysis of the origins, development, and philosophy of criminal evidence. Includes the application and process of evidence collection; its preservation, maintenance, and use in criminal trials; burden of proof, relevancy, hearsay rules, and impeachment. Prerequisite: CJ 2250 or consent of instructor. (CAN AJ6) (Fall, Spring)

CJ 2270 Criminal Investigations (3 units)

Explores detection, interrogation, development of evidence, and apprehension. Stringent evidentiary standards based on the Constitution, statutory law, and administrative regulations for law enforcement and correctional personnel are reviewed as they apply to various aspects of investigations. In addition to reviewing the rule of law, the underlying ethical, social, and moral issues which direct the investigator's role are examined. Prerequisite: CJ 2250 or consent of instructor. (CAN AJ 8) (Fall, Spring)

CJ 2280 Criminal Law (3 units)

Using a case study approach, criminal law traces the historical development and current principles and rules which determine the substantive criminal law. Topics include the purpose of criminal law; principles of liability; defenses involving excuses or justifications; and crimes against persons, property, and public order. Prerequisite: CJ 2250 or consent of instructor. (CAN AJ 4) (Fall, Spring)

CJ 2450 Criminal Judicial Process (3 units)

(Formerly CJ 4165 and CJ 4170) A detailed analysis of judicial processing, from booking to sentencing, of individuals accused of crimes. Includes lecture and case study approach of substantive and procedural issues concerning pretrial motions and hearings, arraignments, bail, plea bargaining, trials, and sentencing. May include field trips to selected courts. Prerequisite: CJ 2250 or consent of instructor. (Fall, Spring)

Upper Division**CJ 3070 Going to Prison (3 units)**

A tour of local jails and State correctional institutions. Provides the criminal justice student with an opportunity to visit and tour jails in Stanislaus and San Joaquin counties, tour State prisons, learn first-hand from correctional officers about correctional supervision, and observe prison life from inside. Prerequisite: CJ 2250 or consent of instructor.

CJ 3100 Legal Research and Writing (3 units)

Designed to provide the criminal justice student with a thorough understanding of legal research and legal drafting. The student will learn LEXIS/NEXIS, the functional uses of a law library, to reference and cross-reference statutes, state and federal cases, words and phrases, indexes, journals, forms, and slip opinions. The student will learn and develop the ability to draft legal memoranda, motions, complaints, points and authorities, briefs, and be required to draft various legal documents. Prerequisite: CJ 2250, CJ 2280, or consent of instructor.

CJ 3120 Causes of Crime (3 units)

Analysis of crime causation provides students the opportunity to form critical thinking by presenting them with current theories and research and competing viewpoints in human criminality. Students will also be exposed to information on diversity, use of technology, and policy in criminal justice. Prerequisite: CJ 2250 or consent of instructor.

CJ 3130 Administration of Corrections (3 units)

Provides the historical development of community-based and institutional programs. Using competing philosophical goals —retribution, deterrence, incapacitation, and rehabilitation — various current programs such as probation, parole, diversion, and institutional treatment are contrasted and future trends are projected. Prerequisite: CJ 2250 or consent of instructor.

CJ 3160 Administration and Management in Law Enforcement (3 units)

Examines the various types of administrative and management principles and practices applicable to law enforcement agencies. The history of law enforcement management, the levels of organizational structure and development, and various management philosophies will be explored. Special attention will center on history, organization, operations, and administrative philosophies of federal law enforcement agencies. Prerequisite: CJ 2250 or consent of instructor.

CJ 3170 Criminal Justice Research Methods (WP) (4 units)

(Formerly CJ 4930) Directed social science research applied to gathering data in criminal justice and criminological research. The focus will be on special problems encountered in research settings and groups where information about crime is to be gathered and analyzed. Includes review of research. Satisfies upper-division writing proficiency requirement. Corequisite: CJ 3173. Prerequisites: CJ 2250 and completion of the Writing Proficiency Screening Test with a passing score. (Lecture, 3 hours; activity, 2 hours) (Fall, Spring)

CJ 3230 Police Ethics and Civil Liability (3 units)

Using a case study, social and legislative analytical approach, this course will explore ethics in law enforcement from its historical roots through contemporary ethical issues. Ethical issues will include areas such as communications, race, sex, excessive physical force, corruption, and conflicts of interest. Civil liability will focus on the tort liability for certain statutory and ethical violations. Prerequisite: CJ 2250 or consent of instructor.

CJ 3235 Domestic Violence and Intimate Abuse (3 units)

Explores historical, sociological, and legal causes, effects, and sanctions of issues pertaining to family and domestic abuse and violence. Discussion and research will incorporate inter alia, state and federal legislation on intimate violence and abuse, causes of abusive behavior, battered woman's syndrome, self-defense, cyclical violence, children of abusive environments, and treatment for batterers. Consists of lecture, discussion, video documentaries, case study and legislative analyses, examinations, and socio-legal research and writing. Prerequisite: Consent of instructor.

CJ 3315 Hate Crimes (3 units)

(Formerly CJ 3310) A case study, lecture, and theoretical approach to analyzing issues, causes, effects, history, and solutions of hate crimes. Includes informational discussions on individuals who commit hate crimes, organized hate groups, and the victims of hate crimes and activities. Additional analyses and discussions will center on federal and state hate crime legislation, pertinent case law, and constitutional protections and constraints. Satisfies G. E. area G. Prerequisite: CJ 2250, CJ 2280, or consent of instructor.

CJ 3350 Organized Crime (3 units)

Presents a study focused on the phenomenon of organized crime, commencing with an exploration of the definitions of organized crime and the characteristic crimes engaged in by these crime groups. Centers on the historical and contemporary problems faced by the criminal justice professional in combating these unique criminal enterprises. Prerequisite: CJ 2250 or consent of instructor.

CJ 3420 Community and Problem-Oriented Policing (3 units)

Explores the broad and critical areas of crime prevention techniques using the citizenry as the basis. Encompasses police paradoxical issues concerning the police image, the dilemma of policing, the role of police in the community, police/community attitudes, complaints, and crime prevention through visibility and the media, politics, and the needs of ethnically diverse populations. Prerequisite: CJ 2250 or consent of instructor.

CJ 3460 White Collar Crime (3 units)

Presents an examination of the breadth and intricacies of white-collar crime in the American criminal justice system. Explores the various types of crimes that constitute white-collar crime and engages the student in critical analysis of the definitions and applications of the criminal law to the ever-growing problem of white-collar crime. Discussion will focus on the history and evolution of the criminal justice response to white-collar crime. Prerequisite: CJ 2250 or consent of instructor.

CJ 3500 Jury Selection and Decision Making (4 units)

Examines the major issues in jury selection and research on how verdicts can be influenced by extra-legal factors such as the characteristics of the defendant, the jurors, and the political climate. Students will learn about the theoretical ideals underlying the jury system and compare these with the reality of the jury system today and debate proposed jury reforms. Activities may include oral presentations, designing a jury selection strategy, participation as a juror in a mock trial, and courtroom observation. Corequisite: CJ 3503. Prerequisite: CJ 2250 or consent of instructor.

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)

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 3800 Crime Prevention and Schools (3 units)

Critical examination of the interface between schools and crime prevention. Specific areas of inquiry will include the link between school failure and delinquency, the incidence and prevention of violence in schools, and the types and impact of gangs. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

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. Corequisite: CJ 4033. Prerequisite: CJ 3170, or MATH 1600, or consent of instructor.

CJ 4135 Correctional Law (3 units)

Using a case study approach, the new and developing field of applied correctional law deals with the rights, responsibilities, and liabilities of correctional personnel working in county, state, or federal capacities. Details differences which occur depending on the status of the offender, i.e., juvenile or adult, county or state, probation or parole, and defendant or prisoner. Prerequisite: CJ 2250, CJ 3130, or consent of instructor.

CJ 4141 Criminal Procedures I (3 units)

Case study and analysis of the constitutional requirements and constraints in criminal justice proceedings. Examines the origins of constitutional criminal due process, the Incorporation Doctrine, and arrest, warrants, search and seizure, and the Exclusionary Rule. Prerequisites: CJ 2250 and 2280 or consent of instructor. (Fall)

CJ 4150 Probation and Parole (3 units)

The historical development, current practices, and future direction of probation and parole are discussed. Explores the balancing of two competing objectives, i.e., the protection of society and the needs of the offender. The various primary roles of investigator, counselor, court officer, and supervisor are examined in light of competing objectives. Prerequisite: CJ 2250 or consent of instructor.

CJ 4151 Criminal Procedures II (4 units)

Case study and analysis of the constitutional requirements and constraints in the criminal justice process. Focus is on the application of substantive and procedural due process under the Fourteenth Amendment and pertinent portions of the Bill of Rights to include self-incrimination, the Exclusionary Rule, double jeopardy, confessions, right to counsel, trial by jury, speedy and public trial, confrontation, and cruel and unusual punishment. Legal research and drafting of an Appellant's or Respondent's Opening Brief and presentation of oral argument before a panel of jurors selected from the class are required. Corequisite: CJ 4153. Prerequisite: CJ 2250, 2280, 3100, 4141, or consent of instructor. (Lecture, 3 hours; activity, 2 hours) (Spring)

CJ 4175 Capital Crimes and Death Penalty (3 units)

(Formerly CJ 4170) An analysis of the types of crimes for which the death penalty has been imposed and a study of the death penalty in America.

CJ 4230 Juvenile Justice (4 units)

A case study and analysis of the American juvenile justice system from its historical beginnings through its current structure and operations and to an exploration of future trends. Discussion will include constitutional rights of juveniles, the judicial process, system structure and operation, juvenile crime, violence, and gangs. As an activity, students will be required to conduct an on-site field observation of the juvenile justice system and complete a case study research project on an actual juvenile case. Corequisite: CJ 4233. Prerequisites: CJ 2250 and 2280 or consent of instructor. (Lecture, 3 hours; activity, 2 hours)

CJ 4250 Psychology of Criminal Behavior (4 units)

(Formerly CJ 4240) A case study and exploratory analysis of the psychological factors that influence and cause criminal behavior in individuals. The class will cover the major psychological theories of criminal conduct such as social learning theories, personality theories, and development theories; criminal behavior, psychopaths, sex offenders, mentally disordered offenders, and mass murderers. The laboratory will include an analysis of covariants of psychological predictors of criminal behavior of exceptional offenders by use of video. The lab findings and research on the psychological criminal behavior of offenders will be presented both orally and within the context of a research paper. Corequisite: CJ 4252. Prerequisite: CJ 2250, CJ 2280, or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours)

CJ 4260 Criminal Justice Seminar (3 units)

Sociological analysis of the history, politics, and economics of criminal justice. Course will focus on theory and research, ideology of crime control, and criminal justice reform. Prerequisite: Consent of instructor.

CJ 4300 Leadership in Police Organizations (4 units)

Leadership course for the career public safety professional to enhance, understand, and apply modern behavioral science and leadership theories that enhance human motivation, satisfaction, and performance to achieve organizational goals. Corequisite: CJ 4310. Prerequisite: Consent of instructor.

CJ 4310 Advanced Leadership in Police Organizations (4 units)

Advanced leadership skills for public safety professionals. Corequisite: CJ 4300. Prerequisite: Consent of instructor.

CJ 4850 Scientific Evidence and the Law (3 units)

Study and analysis of the impact and application of forensic science, scientific evidence and technology on State and Federal criminal and civil statutes, the Constitution, evidence, and the criminal judicial process. Examines the scientific application and presentation of physical evidence at trial, the role of forensic scientists, criminalists, expert witnesses, and constitutional constraints in the prosecution, defense, and adjudication of criminal and civil cases. Prerequisite: CJ 2250, 2280, 3700 or consent of instructor.

CJ 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of eight units depending on departmental policy. Prerequisites: Sophomore standing and consent of departmental chair. (Fall, Winter, Spring)

CJ 4915 Sex Crimes and Gender Issues in Criminal Justice (3 units)

Focuses on crimes perpetrated against women, the criminal justice system's response to such crimes, gender disparity in sentencing, gender disparity in corrections, sexual discrimination, and sexual harassment in the criminal justice system. Discussion and research will center on historical and contemporary issues of gender-based criminality, the victimization of women, and on such crimes as stalking, forcible rape, molestation, prostitution, and incest. Consists of lecture, discussion, case study and legislative analyses, examinations, and socio-legal research and writing. Prerequisite: CJ 2250 or consent of instructor.

CJ 4925 Historical and Contemporary Criminal Justice (3 units)

Using a case, legislative, and treatise study and analysis, this course will explore the American criminal justice system from its historical roots through its current structure, and discuss critical and controversial current issues within our criminal justice system. The precise contemporary issues discussed will depend on current events and legislation. Provides students with an understanding of the political forces that drive the Democratic Consensus, Irresistible Impulse, and Irrational Forces theories of criminal law and justice, and how such political forces impact, adversely and positively, the system. Prerequisite: CJ 2250 or consent of instructor.

CJ 4940 Criminal Justice Internship (2-4 units)

Allows the student who is considering a career in law enforcement, the courts, or corrections the opportunity to work alongside experienced professionals, assist them in their duties, and develop hands-on experience. May be repeated for a total of 9 units, but only 3 units may be applied to the major. Prerequisite: CJ 2250, junior or senior standing, or consent of instructor. (Fall, Spring)

CJ 4950 Selected Topics in Criminal Justice (1-5 units)

(Topics to be specified in Class Schedule.) Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

CJ 4960 Race, Ethnicity, and the Criminal Justice System (3 units)

Using case law and research studies, an exploration and analysis of the role and treatment of ethnic minorities in the American criminal justice system from a historical, sociological, and legal perspective. The impact of race in the system, and ethnic minorities as criminal suspects, defendants, convicts, crime victims, and criminal justice professionals are discussed, including the system's biases, disproportionate sentencing, and inappropriate police responses to minority victims. Prerequisite: CJ 2250 or consent of instructor.

CJ 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

Department of Economics

Edward C. Erickson, Ph.D., *Chair*

Office: Bizzini Hall 101
Phone: (209) 667-3181

Professor: Erickson, Jasek-Rysdahl
Associate Professors: Kim, Peterson
Assistant Professor: Houk

Bachelor of Arts in Economics**Liberal Studies degree concentration in Economics****Social Sciences degree concentration in Economics****Bachelor of Arts in Economics****Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (6 units):
ECON 2500 Principles of Macroeconomics, 3 units
ECON 2510 Principles of Microeconomics, 3 units
3. Complete the major of not less than 28 upper-division units; of these no more than 8 units of CR-graded course work may apply toward the major. Completion of a minor is not required.

The Major (28 units minimum)

1. Complete the following upper-division courses (16 units):
ECON 3205 Quantitative Analysis, 4 units
ECON 4000 Intermediate Theory (Macroeconomics), 3 units
ECON 4010 Economic Thought, 3 units
ECON 4200 Intermediate Theory (Microeconomics), 3 units
ECON 4960 Senior Seminar, 3 units
2. Select at least four additional courses chosen from two or more of the following areas of specialization. Area specialization exceptions can be made on approval of the department chair.
 - a. Banking, Investment, and Managerial Economics
ECON 3150 National Income Analysis, 3 units
ECON 3320 Money and Banking, 3 units
ECON 3331 Financial Markets and Business Cycles, 3 units
ECON 4300 Mathematical Economics, 3 units
ECON 4331 Managerial Economics, 3 units
ECON 4500 Economics of Investment, 4 units

- b. International Trade and Alternative Economic Systems
ECON 4401 Third World Economics, 3 units
ECON 4415 International Economics, 3 units
ECON 4455 The U.S. and World Trade, 4 units
- c. Economics and the Public Sector
ECON 4335 Political Economy (WP), 4 units
ECON 4540 Public Finance and Fiscal Policy, 3 units
ECON 4560 Natural Resources & Environmental Economics, 4 units
ECON 4600 Urban Economics, 3 units
ECON 4640 Economics and Agriculture, 3 units
ECON 4690 Agricultural Finance, 3 units
- d. Labor Economics
ECON 4100 Labor Economics, 3 units
- e. Economic History
ECON 3100 Economic History of the United States, 3 units

Minor in Economics**Requirements** (18 units)

Complete ECON 2500 and 2510, Principles of Macro and Microeconomics, 6 units, and 12 units of upper-division coursework as approved by the minor adviser.

**Teaching Credential Supplemental Authorization
in Economics****Requirements**

For a supplemental authorization for credentialed teachers to teach economics, students must complete 20 units of lower- and/or upper-division courses or 10 units of upper-division coursework only, with a grade of C or better. The following courses are recommended:

- ECON 2500 Principles of Macroeconomics, 3 units
- ECON 2510 Principles of Microeconomics, 3 units
- ECON 3100 Economic History of the United States, 3 units
- ECON 3320 Money and Banking, 3 units
- ECON 4010 Economic Thought, 3 units
- ECON 4100 Labor Economics, 3 units
- ECON 4335 Political Economy (WP), 4 units
- ECON 4455 The U.S. and World Trade, 4 units

Liberal Studies Concentration in Economics

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Economics

Please refer to the Social Sciences program section of the catalog.

Learning Objectives

Students will:

- Explain and apply economic terms, concepts and theories
- Collect, process, and interpret data, including statistical inference
- Demonstrate quantitative reasoning skills
- Explain a variety of specific topics in economics
- Apply specialized tools and concepts to contemporary issues
- Demonstrate an awareness of global economic forces
- Evaluate the impact of various international policies and practices
- Compare and contrast alternative explanations of economic events
- Explain how economic events and decisions are impacted by values and perceptions
- Effectively communicate the results of analysis in a variety of written formats
- Demonstrate the ability to communicate economic concepts orally

Course Descriptions**Lower Division****ECON 2500 Principles of Macroeconomics (3 units)**

Macroeconomics: scope, method, economic resources, monetary system, income determination, economic stability–instability, public finance. Satisfies G.E. area D2. (CAN ECON 2) (Fall, Spring)

ECON 2510 Principles of Microeconomics (3 units)

Microeconomics: price system and market structures, public policy, and income distribution. Fundamentals of international economics; international trade, principles and problems of economic growth and development, analysis of economic systems. Special problem areas in American economy: urban economics, environmental economics, agricultural economics. Satisfies G.E. area D2. Prerequisite: ECON 2500 recommended. (CAN ECON 4) (Fall, Spring)

ECON 2950 Selected Topics in Economics (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in economics. Topics may vary each term. Different topics may be taken for credit. (Fall, Spring)

Upper Division**ECON 3100 Economic History of the United States (3 units)**

Analysis of American business organizations and economic growth from colonial period to present with emphasis on evolution and changes in the American system. Satisfies G.E. area F3. (Fall, Spring)

ECON 3150 National Income Analysis (3 units)

Analysis of macroeconomic conditions and adjustments in a free enterprise system. National income accounting and employment theory. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 3205 Quantitative Analysis (4 units)

A study of econometric techniques for measurement of economic relationships, analysis and forecasting of business situations, and testing of economic theories. A course in basic statistics is recommended but not required. Corequisite: ECON 3202. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Fall)

ECON 3320 Money and Banking (3 units)

Money and the level of economic activity; supply and demand for money; competition among financial institutions; the Federal Reserve System and monetary policy. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Spring)

ECON 3331 Financial Markets and Business Cycles (3 units)

Examination of current economic and social issues covering recession, inflation, financial market conditions, rational expectations, construction, real estate markets, long-term finance, and foreign exchange markets. Prerequisites: ECON 2500 and 2510.

ECON 4000 Intermediate Theory (Macroeconomics) (3 units)

Macroanalysis; income levels, expenditures, prices, and employment; application to depression and inflation. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Fall)

ECON 4010 Economic Thought (3 units)

Survey and comparison of the ideas and doctrines of major schools of economic thought from the Middle Ages to the Twentieth Century, with emphasis on classical and Neoclassical economics. Marxism, Institutionalism, and Keynesian economics. (Fall)

ECON 4100 Labor Economics (3 units)

A study of theories of wage determination, income distribution, manpower imbalance, and economic problems of minority groups. History and theory of the American labor movement and theories of collective bargaining. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 4200 Intermediate Theory (Microeconomics) (3 units)

Theory of consumer behavior and market demand; production costs, and the theory of the firm; theories of competition and monopoly; concentration and anti-trust policies; models of oligopoly and monopolistic competition; resource pricing and income distribution; elements of welfare economics. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Spring)

ECON 4300 Mathematical Economics (3 units)

Static analysis; comparative–static analysis; optimization problems, input–output analysis; linear programming and game theory. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 4331 Managerial Economics (3 units)

A study of application of economic theory and methodology to management and decision making in business enterprises with special reference to theory of demand, production and cost analysis, profit measurement and planning, market structure and pricing, government regulation of business and capital budgeting. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Fall)

ECON 4335 Political Economy (WP) (4 units)

Analyzes competing views of government's roll in a market economy. After reviewing a variety of exchange and intervention alternatives, such issues as inequality, law and order, political-industrial organization, and the environment are discussed. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. (Spring)

ECON 4401 Third World Economics (3 units)

Analysis of economic problems of less developed Third World countries: agriculture, industrial development, capital investment, trade, income distribution, population growth and education, economic theories, and policy tools for economic growth and development. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 4415 International Economics (3 units)

A study of theories and issues of international trade, commercial policies, tariff and other trade restrictions, foreign investment and multinational corporations, foreign exchanges and balance of payments adjustment, international financial institutions and systems, and regional trade organizations. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Spring)

ECON 4455 The U.S. and World Trade (4 units)

Dynamic change of comparative advantages of American business enterprises in world markets and recent U.S. trade policy developments affecting industries facing intense international competition, such as automobiles, steel, textile, footwear, semiconductors, and agricultural exports. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Winter)

ECON 4500 Economics of Investment (4 units)

Economic aspects of investment decisions and financial planning as faced by individuals in personal finance decisions and total investment for the economy. Satisfies G.E. area F3. Prerequisites: ECON 2500 and 2510 recommended. (Winter)

ECON 4540 Public Finance and Fiscal Policy (3 units)

Principles, problems, and policies of federal taxation, expenditures, debt, budgeting, and fiscal policy. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 4560 Natural Resources & 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.

ECON 4600 Urban Economics (3 units)

An analysis of the economic interdependency of markets in urban areas and possibilities for alternative resource use; land utilization patterns, urban transportation, labor markets, housing and public service markets. Prerequisites: ECON 2500 and 2510 or consent of instructor.

ECON 4640 Economics and Agriculture (3 units)

Students will learn how to examine the resource allocation and decision-making environment of agricultural markets. The course will provide students with tools to help them understand the complex issues in agriculture and related markets including market structures, international trade, resource use, and government agriculture policy. Prerequisites: ECON 2500 and 2510 or consent of instructor. Note: An agricultural economics course may be substituted for ECON 2510.

ECON 4690 Agricultural Finance (3 units)

Economic principles of agricultural finance; analysis of agricultural financial statements and ratios; sources of farm credit; legal aspects of credit; capital budgeting in agriculture; risk management; insurance; farm tax, and estate planning. Prerequisites: ECON 2500 and ECON 2510, and a lower division Accounting course or consent of instructor. Note: An Agricultural Economics course may be substituted for ECON 2510.

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)

ECON 4750 The California Economy (3 units)

An examination of California's economy is used to understand key economic principles. Topics such as the state's key industries, income distribution, public finance system, and connections to the rest of the world will be studied. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

ECON 4910 Cooperative Education (2-4 units)

This course provides an opportunity to acquire relevant, practical experience in supervised employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 6 units. Prerequisites: Sophomore standing; consent of departmental coordinator and Cooperative Education Office. (Fall, Winter, Spring)

ECON 4950 Selected Topics in Economics (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in economics. Topics may vary each term. Different topics may be taken for credit. Corequisite: ECON 4953. Prerequisite: Junior standing or consent of instructor.

ECON 4960 Senior Seminar (3 units)

Reading and discussion in significant areas of economics; analysis of major contemporary economic problems, national and international. Prerequisite: Senior standing in Economics. (Spring)

ECON 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

Department of English

Mark Thompson, Ph.D., *Chair*

Professors: Bolling, Carroll J., Fuller, Marshall, Schmidt, Stryker, S., Thompson

Associate Professor: Covino, D., Paterson, Davis, S., Crumpton Winter

Assistant Professors: De Vries, Foreman, Perrello, Wolfe, Wittman

Lecturers: Barrington-Schmidt, Breen, Christiansen, Mester, Stryker, C.

Office: Vasché Library — L195

Phone: (209) 667-3361

Bachelor of Arts, English

Master of Arts, English*

Liberal Studies degree concentrations in English and in Teaching

English to Speakers of Other Languages (TESOL)

Certificate in TESOL

*See the *Graduate Catalog*.

The various programs are designed to provide the skills essential for fluent and mature expression in a student's chosen field. Courses in literature and film familiarize students with important literary works and forms. Courses in Rhetoric and the Teaching of Writing (RTW) prepare students to be excellent writers and editors. Courses in pre-credential programs prepare future teachers for the public schools. Courses in TESOL prepare teachers of English as a Second Language and English as a Foreign Language. In all of the English courses, students are encouraged to develop informed and independent critical thinking abilities and the skills to communicate articulately in both oral and written modes.

Bachelor of Arts in English

Requirements

- Complete the University General Education requirements for the Bachelor of Arts degree (51 units minimum).
- Complete the prerequisites to the major (6 units), consisting of TWO survey courses from the list below, observing the following restrictions:
 - One course must come from the British (2100, 2110)
 - One course must come from the American (2200, 2210)
 - One course must be pre-1850 (2100, 2200)
 - ENGL 2100 British Literature to 1800, 3 units
 - ENGL 2110 British Literature after 1800, 3 units
 - ENGL 2200 American Literature to 1865, 3 units
 - ENGL 2210 American Literature after 1865, 3 units
- Complete the Major of no fewer than 33 upper-division units.
- Consult with the major adviser concerning requirements, changes in curriculum, subject matter preparation programs, etc.

The Major (33 units)

- Complete the following required courses in literature (11 units):
 - ENGL 3150 Approaches to Literary Study (WP), 4 units
 - ENGL 4300 Shakespeare, 3 units
 - ENGL 4990 Senior Seminar, 4 units
- Select one of the following courses in British literature (3 units):
 - ENGL 3209 Medieval Literature, 3 units
 - ENGL 3210 English Renaissance Literature, 3 units
 - ENGL 3215 Seventeenth Century English Literature, 3 units
 - ENGL 3220 Eighteenth Century British Literature, 3 units
 - ENGL 3225 British Romantic Literature, 3 units
 - ENGL 3230 British Victorian Literature, 3 units
 - ENGL 3235 Modern British Literature, 3 units
 - ENGL 4105 English Novel I, 3 units
 - ENGL 4106 English Novel II, 3 units
 - ENGL 4115 20th-Century British Novel, 3 units
 - ENGL 4305 Chaucer, 3 units
 - ENGL 4310 Milton, 3 units
 - ENGL 4510 British Women Authors, 3 units
 - ENGL 4950 Special Studies in English Literature, 1-5 units
- Select one of the following courses in American literature (3 units):
 - ENGL 3400 Early American Literature, 3 units
 - ENGL 3410 American Literature: Romanticism and Transcendentalism, 3 units
 - ENGL 3420 American Literature: Realism and Naturalism, 3 units
 - ENGL 3940 Multicultural American Literature, 3 units
 - ENGL 4107 American Novel I, 3 units
 - ENGL 4108 American Novel II, 3 units
 - ENGL 4110 American Short Story, 3 units
 - ENGL 4120 American Poetry, 3 units
 - ENGL 4140 American Drama, 3 units
 - ENGL 4520 American Women Authors, 3 units
 - ENGL 4930 Special Studies in American Literature, 1-5 units
- Select one of the following courses in World Literature (3 units)
 - ENGL 3510 Foreign Films, 4 units
 - ENGL 3920 Survey of World Literature, 3 units
 - ENGL 3930 World Literature in Translation, 3-5 units
 - ENGL 3950 International Non-European Women Authors, 3 units
 - ENGL 4020 Literature of the Classical World, 3 units
 - ENGL 4109 The Contemporary Novel, 3 units
 - ENGL 4130 Dramatic Literature I, 3 units
 - ENGL 4135 Dramatic Literature II, 3 units
 - ENGL 4925 Studies in World Literature, 3 units
- Select 13 units of upper-division English electives. Possibilities include, but are not limited to, literature, creative writing, film, linguistics. For example:
 - ENGL 3010 Creative Writing Workshop, 4 units
 - ENGL 3513 Contemporary Films, 4 units
 - ENGL 3515 American Films, 4 units
 - ENGL 3700 Introduction to Language, 3 units
 - ENGL 3750 Introduction to Linguistic Theory, 4 units
 - ENGL 3920 Survey of World Literature, 3 units

- ENGL 3950 International Non-European Women Authors, 3 units
- ENGL 4011 Playwriting/Screenwriting, 4 units
- ENGL 4012 Fiction Writing, 4 units
- ENGL 4020 Literature of the Classical World, 3 units
- ENGL 4109 The Contemporary Novel, 3 units
- ENGL 4130 Dramatic Literature I, 3 units
- ENGL 4135 Dramatic Literature II, 3 units
- ENGL 4925 Studies in World Literature, 3 units

Note: Prospective postgraduate students in English should consult their English adviser concerning which courses in English will best prepare them for graduate study.

Writing Competency

Faculty from English provide instruction in the following courses designed to meet the University's writing competency requirement:

- ENGL 1001 First-Year Composition, 3 units
- ENGL 1002 First-Year Composition (Computer-Assisted Instruction), 4 units
- ENGL 2000 Critical Inquiry, 3 units

Master of Arts in English

There are three main concentrations of study leading to the Master of Arts degree in English: (1) a concentration in the literature of Britain and the United States (MA-LIT); (2) a concentration in rhetoric and the teaching of writing (MA-RTW); (3) a concentration in teaching English to speakers of other languages (MA-TESOL). Concentrations may be combined. Please refer to the Graduate Catalog.

Minor in English

Requirements (18 units)

Complete 18 units to include at least 12 upper-division units. No more than six units of CR-graded coursework in courses graded exclusively CR/NC may apply toward the minor.

1. Complete one course in each of the following categories (6 units):
 - a. ENGL 2100 British Literature to 1800, 3 units, **or**
ENGL 2110 British Literature after 1800, 3 units
 - b. ENGL 2200 American Literature to 1865, 3 units, **or**
ENGL 2210 American Literature after 1865, 3 units
2. Select a minimum of 12 upper-division units in consultation with the minor adviser (12 units)

Note: ENGL 3150 Approaches to Literary Study (WP) is a prerequisite to most upper-division literature courses.

Liberal Studies Concentration in English

Please refer to the Liberal Studies section of the catalog.

Liberal Studies Concentration in Teaching English to Speakers of Other Languages (TESOL)

Please refer to the Liberal Studies section of the catalog.

Upper-Division Writing Proficiency

Students graduating from CSU Stanislaus must demonstrate writing competency through satisfactory completion of a Writing Proficiency course (WP) in any discipline. Passing the Writing Proficiency Screening Test (WPST) is one of the prerequisites for these courses.

English courses satisfying this writing requirement are as follows:

- ENGL 3007 Business and Technical Communication (WP), 3 units
- ENGL 3009 Writing for Teachers (WP), 3 units
- ENGL 3012 Applied Writing (Computer-Assisted Instruction) (WP), 4 units
- ENGL 3150 Approaches to Literary Study (WP), 4 units
- ENGL 4600 Tutorial Projects in English (WP), 3 units

English as a Second Language (ESL)

The Department of English offers courses for students who speak English as a second or foreign language. The courses are designed for students whose proficiency in English is at a high-intermediate to advanced fluency level. The courses are designed to improve the writing and study skills of resident ESL students or newly arrived international students. Students in the courses normally are regularly enrolled students in the University.

Concentration in Teaching English to Speakers of Other Languages (TESOL)

Requirements

Students wishing to have a specific concentration in Teaching English to Speakers of Other Languages (TESOL) may do so by completing all requirements for the major to include the following specific courses:

- ENGL 3700 Introduction to Language, 3 units, **or**
- ENGL 3750 Introduction to Linguistic Theory, 4 units
- ENGL 4615 TESOL Methods, 3 units
- ENGL 4800 Second Language Acquisition, 3 units
- ENGL 4850 English Grammar, 3 units

Note: Students planning to go on to a TESOL Certificate or an MA-TESOL concentration should consider taking at least two semesters of a foreign language, ENGL 4990 Senior Seminar (4 units), and ENGL 4600 Tutorial Projects (3 units)

Certificate Program in TESOL

The certificate in TESOL is intended for graduates and undergraduates with majors or minors in English who wish to have minimum preparation to teach English to adult speakers of other languages. The TESOL certificate is particularly appropriate for those who would teach English in postsecondary language institutes overseas. The TESOL certificate program consists of six TESOL-related courses (19 units) and requires a minimum of six units of study in a foreign language (or demonstration of equivalent proficiency). Fluency in both written and spoken English is required of non-native English speakers. The certificate is not a California state teaching credential. (Individuals seeking credentials to teach in California public schools should inquire at the Department of Teacher Education.) For further information concerning the TESOL certificate and master's programs, consult the TESOL program adviser in the Department of English.

Requirements (19-25 units)

1. Complete one year (6-8 units) of a foreign language or demonstrate evidence of non-primary language preparation.
2. Complete the following courses (19 units):
ENGL 3700 Introduction to Language, 3 units, **or**
ENGL 3750 Introduction to Linguistic Theory, 4 units
ENGL 4600 Tutorial Projects in English (WVP), 3 units
ENGL 4615 TESOL Methods, 3 units
ENGL 4800 Second Language Acquisition, 3 units,
ENGL 4850 English Grammar, 3 units
ENGL 4990 Senior Seminar (TESOL), 4 units

Learning Objectives

- Students must acquire critical communication skills, (1) composing essays that analyze, develop, and synthesize concepts, that contain clear, coherently organized, defensible and substantial ideas, and that exhibit a sense of audience and occasion; (2) revealing the ability to gather, retrieve, evaluate, and synthesize information, including research and bibliographic skills; (3) demonstrating knowledge of grammar and language; (4) evidencing competent oral communication skills, emphasizing critical thinking expressed through speaking.
- Students must master various analytical and critical reading skills, demonstrating the ability to read closely; to comprehend and interpret a variety of culturally diverse literary, non-literary, and visual texts.
- Students must gain knowledge of literature, (1) showing familiarity with literary history and the development of American, British, and World Literatures, identifying significant periods and movements; (2) demonstrating knowledge of literary, critical, and theoretical terminology; (3) evidencing competence in relevant background and contextual knowledge necessary for understanding various texts (Bible, mythology, cultural studies, etc.); and (4) manifesting understanding of intellectual and professional issues of the academy, including cultural diversity, academic ethics, and canonicity.

Course Descriptions

English as a Second Language

ESL 1000 Beginning English and Grammar for ESL Students (4 units)

The focus of this course is reading-based grammar. Students study grammar in the context of a reading, starting at the phrasal level. The course also offers instruction in reading strategies to improve comprehension and speed. The composition work that students do is at the paragraph and short essay level. Individualized tutoring in grammar and writing is an integral part of this course (at least one hour per week). Satisfies G.E. area C3. Prerequisite: Intermediate level of English as determined by diagnostic testing. (Fall)

ESL 1005 Intermediate English and Grammar for ESL Students (4 units)

The focus of this course is the composition process: prewriting, drafting, revision, and editing. Students begin with personal writing and progress to academic essay work. The grammar work is individualized and is based on an inventory of problems from a "grammar journal." Students are also introduced to basic study skills like notetaking and test taking. Individualized tutoring in grammar and writing is an integral part of this course (at least one hour per week). Satisfies G.E. area C3. Prerequisite: ESL 1000 or equivalent level of English as determined by diagnostic testing. (Spring)

ESL 2000 English Grammar and Composition for Foreign Students (3 units)

The course content roughly parallels that of ENGL 1001. Students read and study short essays, do vocabulary work, and write short essays. Students are introduced to the library and some research skills such as summarizing and paraphrasing. The course culminates with a short, documented essay. Tutoring is available for students with special needs. Satisfies G.E. area C3. Prerequisite: ESL 1000 or 1005 or equivalent level of English as determined by diagnostic testing. (Fall)

Prebaccalaureate

At the completion of any prebaccalaureate course, subsequent placement of each student is based on assessment of a portfolio of the student's writing.

English

ENGL 0100 ILE English I (3 units)

Instruction and intensive practice in basic skills designed to increase fluency in reading and writing. Emphasis on improving sentence structure, vocabulary, usage, reading comprehension, essay organization, and development. Instruction is based on reading, writing, and the development of ideas through use of examples. Credit qualifies student for ENGL 0101. Prerequisites: First-term Freshman standing and an EPT total score of T141 or below. (Fall, Spring)

ENGL 0101 ILE English II (3 units)

Reinforcement of skills practiced in ENGL 0100 in addition to experience in analytical, organizational, and comprehension skills needed for reading and writing exposition. Prerequisite: ENGL 0100 (Spring)

ENGL 0111 Writer's Workshop (3 units)

A course emphasizing the development of individual student's writing abilities, with intensive practice in basic skills and processes of composition. Prerequisites: Freshman standing and EPT score of T142–T147. (Fall, Spring)

Lower Division**ENGL 1000 Introduction to Composition (3 units)**

Introduction to academic writing. Instruction is based on the Competencies for First-Year Composition (<http://web.csustan.edu/english/dept/FYCCompetencies.doc>) with particular emphasis on reading skills as well as focus, development, organization, and control of language for sentences, paragraphs, and essays.

ENGL 1001 First-Year Composition (3 units)

(Formerly Freshman Composition) A course in reading and writing expository essays. In addition to writing essays, students will be expected to demonstrate the ability to write informative summaries of university-level writing. Satisfies G.E. area A2. Prerequisite: EPT score of T148 or above, or recommendation from a prebaccalaureate course. (CAN ENGL 2) (Fall, Spring)

ENGL 1002 First-Year Composition (Computer-Assisted Instruction) (4 units)

A course in reading and writing expository essays. In addition to writing essays, students will be expected to demonstrate the ability to write informative summaries of university-level writing. Class incorporates use of word-processing, e-mail, and Internet/World-Wide Web technologies. No previous computer experience is required; one hour per week computer lab time. Satisfies G.E. area A2.

ENGL 1005 Honors Composition (3 units)

In addition to writing essays, students will be expected to demonstrate the ability to write informative summaries of university-level writing. Class includes an introduction to library and web-based information resources. Satisfies G.E. area A2. Open only to students in the University Honors Program.

ENGL 1010 Introduction to Literature (3 units)

Introduction to fiction, poetry, and drama. Satisfies G.E. area C2. (Fall, Spring)

ENGL 2000 Critical Inquiry (3 units)

The focus of this course is critical thinking, with emphasis split between receptive (reading/listening) and active (writing) exercises. Students will be expected to analyze arguments of others and to produce defensible arguments of their own, both in analytical summaries and in original argumentative essays. Emphasizes the difference between good and bad arguments, as well as the distinction between significant and trivial positions on issues. Satisfies G.E. area A3. Prerequisite: ENGL 1001, or 1002, or equivalent. (Fall, Spring)

ENGL 2100 British Literature to 1800 (3 units)

A survey of British literature to 1800 with attention to the historical development of literature from the Beowulf poet through the ages of Chaucer, the Renaissance poets and dramatists, to the neoclassical period. Prerequisite: ENGL 1001, or 1002, or equivalent. (CAN ENGL 8) (Fall)

ENGL 2110 British Literature after 1800 (3 units)

A survey of British literature after 1800 with attention to the historical development of literature from the Romantic writers through the Victorian and modernist periods to recent literature written in Britain. Prerequisite: ENGL 1001, or 1002, or equivalent. (CAN ENGL 10) (Spring)

ENGL 2200 American Literature to 1865 (3 units)

A survey of American literature to 1865 with attention to the historical development of literature from the Puritans through the early republic and the period of the early romantics to the literature of the American Renaissance. Prerequisite: ENGL 1001, or 1002, or equivalent. (CAN ENGL 14) (Fall)

ENGL 2210 American Literature after 1865 (3 units)

A survey of American literature after 1865 with attention to the historical development of literature from the post-Civil War regional and realist movements through naturalism and early 20th century writers to contemporary American literary expression in fiction, poetry, and drama. Prerequisite: ENGL 1001, or 1002, or equivalent. (CAN ENGL 16) (Spring)

ENGL 2215 Multicultural American Narratives (3 units)

Readings in multicultural American authors. Prerequisite: ENGL 1001, or 1002, or equivalent.

Upper Division**ENGL 3000 Intermediate Composition (3 units)**

Course designed to help students further develop their abilities in addressing the complexity of a topic, developing an argument, organizing information, and controlling language. Students successfully completing the course and the final examination will be eligible to register for Writing Proficiency courses. Prerequisite: Two unsuccessful attempts on the Writing Proficiency Screening Test (WPST).

ENGL 3007 Business and Technical Communication (WP) (3 units)

An examination of the processes involved in writing for the professions, with emphasis on the business world. Attention will be paid to the writing of reports and proposals, the representation of research, and the principles of technical illustration. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; junior standing; and ENGL 1001, or 1002 and 2000, or equivalents. (Fall, Spring)

ENGL 3009 Writing for Teachers (WP) (3 units)

(Formerly Applied Writing) Designed to renew a student's confidence and develop an identity as a writer. Also explores various strategies to help build a strong foundation for teaching writing at all levels. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; and ENGL 1001, or 1002 and 2000, or equivalents. Open only to Liberal Studies and English majors. (Fall, Spring)

ENGL 3010 Creative Writing Workshop (4 units)

Methods and techniques of various types of creative writing. Includes the reading and writing of two or more of the following genres: short fiction, poetry, short plays, short film scripts. Prerequisites: ENGL 1001, or 1002, or equivalent and sophomore standing.

**ENGL 3011 Introduction to Rhetoric:
A Semester at the Institution (4 units)**

Combines an introduction to selected classical and contemporary theories of rhetoric with an application of these theories to documents created at CSU Stanislaus (e.g. grade appeal procedures, the university catalog, varied committee agendas, student placement guidelines, forms, signs). Satisfies G.E. area F2. Prerequisites: Junior standing and ENGL 1001 or 1002; ENGL 2000 or equivalents.

**ENGL 3015 Field Experience in Writing for Secondary School
English Teachers (1 unit)**

A field experience course to be taken concurrently with ENGL 3009 for those in the Single Subject Matter Preparation Program ONLY. This course allows future secondary school English teachers to practice their skills in teaching writing via one-on-one tutoring sessions with students in local public school. Students must provide tuberculosis and background (fingerprint) clearance certificates.

ENGL 3109 The Bible as Literature (3 units)

Examination of the Bible as literature, including history of the Bible and the influence of English versions on the English language and literature. Prerequisite: ENGL 1010 or 3150.

ENGL 3150 Approaches to Literary Study (WP) (4 units)

Gateway course to the major. Students examine a variety of literary forms and methods for approaching them; the history and professional practices of the field. A writing activity is required. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; ENGL 1001 or 1002 or equivalent; completion of prerequisites to the major. (Fall, Spring)

ENGL 3209 Medieval Literature (3 units)

The literature of the Middle Ages exclusive of Chaucer. Typical studies include Piers Plowman, Sir Gawain and the Green Knight, Marjorie Kempe, The Pearl, the Arthurian romances, and/or the ballad. Prerequisite: ENGL 3150.

ENGL 3210 English Renaissance Literature (3 units)

Literature of the period from about 1500 to 1603. Typical studies include drama, lyric poetry, dramatic poetry, and such authors as Sidney, Spenser, Wyatt, Surrey, and Elizabethan dramatists other than Shakespeare. Prerequisite: ENGL 3150.

ENGL 3215 Seventeenth Century English Literature (3 units)

Literature of the period from about 1603 to 1660. Typical studies include works of Donne, Jonson, Marvell, Herbert, Letitia, Lanyer, Wroth, Philips, and/or others. Prerequisite: ENGL 3150.

ENGL 3220 Eighteenth Century British Literature (3 units)

(Formerly Eighteenth Century English Literature) Literature of the period from 1660 to about 1780. Typical studies include examples of Restoration drama and works of Dryden, Pope, Swift, Johnson, Boswell, Barbauld, Smith, Yearsley, and/or others. Prerequisite: ENGL 3150.

ENGL 3225 British Romantic Literature (3 units)

(Formerly English Romantic Literature) Literature of the late eighteenth and early nineteenth centuries. Typical studies include works of Blake, Wordsworth, Coleridge, Wollstonecraft, Byron, Keats, Shelley, and/or others. Prerequisite: ENGL 3150.

ENGL 3230 British Victorian Literature (3 units)

(Formerly English Victorian Literature) Literature of the period from 1832 to 1900. Typical studies include the works of Tennyson, Browning, Arnold, Carlyle, and/or others. Prerequisite: ENGL 3150.

ENGL 3235 Modern British Literature (3 units)

Literature of twentieth-century modernism and later movements. Authors include Mansfield, Eliot, Yeats, Joyce, Woolf, Lawrence, Auden, Larkin, Amis, Beckett, Heany, and recent women authors. Prerequisite: ENGL 3150.

ENGL 3400 Early American Literature (3 units)

Literature of the period including Native American traditions, the literature of discovery and exploration, a study of New England puritanism, seventeenth century wit, the eighteenth century Great Awakening, and the American Revolution. Prerequisite: ENGL 3150.

**ENGL 3410 American Literature:
Romanticism and Transcendentalism (3 units)**

Literature of the United States between 1800 and 1865. Emphasis on romanticism and transcendentalism, and their representative writers. Prerequisite: ENGL 3150.

ENGL 3420 American Literature: Realism and Naturalism (3 units)

Literature of the United States after the second half of the nineteenth century. Emphasis is on realistic depiction of characters and events of everyday life including psychological realism and philosophical determinism. Prerequisite: ENGL 3150.

ENGL 3430 American Literature: 20th Century to 1950 (3 units)

(Formerly ENGL 4150) American literature in the first half of the twentieth century. Emphasis on modernism. Prerequisite: ENGL 3150.

**ENGL 3440 American Literature:
20th Century, 1950 to Present (3 units)**

American Literature in the second half of the twentieth century. Emphasis on the contemporary period. Prerequisite: ENGL 3150.

ENGL 3500-3520 Studies in Film (4 units)

Examinations of film as a verbal and visual medium, and as a reflector of history and culture. Typical courses include Contemporary Films, American Films, Foreign Films, and Film and Literature. These courses have no prerequisites and are designed for students in all majors.

ENGL 3519 Images of Teachers in Film and Fiction (4 units)

Course examines film and literary portrayals of educators. Students will learn film fundamentals, read teachers' autobiographies, and consider the social responsibilities that educators bear as role models.

**ENGL 3550 Years of War, Days of Peace:
Post-1945 Literature and Film (3 units)**

A look at films, novels, and poetry of the Cold War, the war in Viet Nam, and Persian Gulf War. Satisfies G.E. area F2 and G. One of two paired courses in the G.E. Summit Program (War and Peace). Prerequisites: Completion of lower-division G.E. area C2 requirements, and consent of Summit Program Coordinator.

ENGL 3700 Introduction to Language (3 units)

An introduction to the study of language. Topics include: Language and communication, the structure of utterances, and the meaning of utterances and language in society.

ENGL 3750 Introduction to Linguistic Theory (4 units)

(Replaces ENGL 3800). An intensive introduction to the study of syntax, phonology, and semantics.

ENGL 3920 Survey of World Literature (3 units)

(Formerly Masterpieces of World Literature) A survey of important literary works from non-Anglo-American cultures. Includes readings from the ancient through the post-colonial period. Satisfies G.E. area F2. Prerequisite: Completion of lower-division area General Education C2 requirement.

ENGL 3930 World Literature in Translation (3-5 units)

(Same as FREN, PORT, SPAN 3930) Studies in various aspects of world literature in translation. Course content may vary from term to term.

ENGL 3940 Multicultural American Literature (3 units)

(Formerly Literature of American Cultures) An examination of American literature by authors from a variety of ethnic and cultural backgrounds. Satisfies G.E. areas F2 and G. Prerequisites: Completion of lower-division area General Education C2 requirements, and upper-division standing.

ENGL 3945 Multicultural California Literature (3 units)

An examination of California literature written by authors from a variety of ethnic and cultural backgrounds. Satisfies G.E. areas F2 and G. Prerequisites: Completion of lower-division area General Education C2 requirements and upper-division standing.

ENGL 3950 International Non-European Women Authors (3 units)

(Same as GEND 3950) Readings in women authors from the non-European world, i.e., from Africa, India, the Near East, Asia, Latin America, and the Caribbean. Prerequisite: ENGL 3150 or consent of instructor.

ENGL 4011 Playwriting/Screenwriting (4 units)

(Formerly Script Writing) Introduces students to the fundamentals of writing for stage and screen, studying dramatic construction, character development, etc. Class covers one-act and full-length plays, as well as 30- and 60-minute TV shows, TV movies, and feature films. May be repeated once for credit.

ENGL 4012 Fiction Writing (4 units)

Students will study various fictional forms and write short-shorts, stories, and/or novel chapters. May be repeated once for credit. Prerequisites: ENGL 3010, or equivalent, and junior standing.

ENGL 4013 Poetry Writing (4 units)

Reading of poetry and the writing of poetry. May be repeated once for credit. Prerequisites: ENGL 3010, or equivalent, and junior standing.

ENGL 4019 Editing Literary Magazines (3 units)

Examination of various university literary magazines and consideration of editorial policy, criteria for selection, and processes. The production of an issue of the campus literary and art magazine. Prerequisite: Junior standing.

ENGL 4020 Literature of the Classical World (3 units)

A study of major works of literature of classical Greece and Rome, including Sappho, Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Ovid, Horace, and Catullus. Prerequisite: ENGL 3150.

ENGL 4052 Modern Fantasy Literature (3 units)

An intensive study of the theory and practice of modern fantasy literature with an emphasis on the writings of J.R.R. Tolkien. Prerequisite: Upper division standing.

ENGL 4105 English Novel I (3 units)

Authors to be studied may include Defoe, Richardson, Fielding, Sterne, Smollett, Austen. Prerequisite: ENGL 3150.

ENGL 4106 English Novel II (3 units)

Authors to be studied may include Dickens, Thackeray, Bronte, Eliot, Hardy, Wilde. Prerequisite: ENGL 3150.

ENGL 4107 American Novel I (3 units)

The American novel in the nineteenth century. Authors to be studied include Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, and/or others. Prerequisite: ENGL 3150.

ENGL 4108 American Novel II (3 units)

The American novel in the twentieth century. Authors to be studied include Wharton, Cather, Hemingway, Fitzgerald, Faulkner, Steinbeck, and/or others. Prerequisite: ENGL 3150.

ENGL 4109 The Contemporary Novel (3 units)

The novel in English in the 1970s and 1980s including, but not limited to, works from Britain, Canada, and the United States. Authors to be studied include Anita Bookner, Margaret Atwood, Toni Morrison, Ann Tyler, Wallace Stegner, and/or others. Prerequisite: ENGL 3150.

ENGL 4110 American Short Story (3 units)

An intensive study of the short-story as a literary form with emphasis on the American short-story. Prerequisite: ENGL 3150.

ENGL 4115 20th-Century British Novel (3 units)

(Formerly 20th-Century English Novel) The development of the British novel during the twentieth century with fluctuations between tradition and innovation. Typical readings may include Bennett, Forster, Conrad, Joyce, Woolf, Drabble, Carter. Prerequisite: ENGL 3150.

ENGL 4120 American Poetry (3 units)

Lyric, narrative, and/or dramatic poetry in American literature. Prerequisite: ENGL 3150.

ENGL 4130 Dramatic Literature I (3 units)

Analysis of drama as literary form: Classics of the Greek, Renaissance, and Restoration theatres. Prerequisite: ENGL 3150.

ENGL 4135 Dramatic Literature II (3 units)

Analysis of drama as a literary form. Includes examination of plays by such writers as: Ibsen, Strindberg, Chekhov, Shaw, Beckett, Brecht, Williams, Pinter, and/or others. Prerequisite: ENGL 3150.

ENGL 4140 American Drama (3 units)

The American drama in the twentieth century. Authors to be studied include Eugene O'Neill, Tennessee Williams, Arthur Miller, and/or others. Prerequisite: ENGL 3150.

ENGL 4300 Shakespeare (3 units)

Representative plays from among the comedies, tragedies, romances, and histories; also may include examples of non-dramatic poetry. Prerequisite: ENGL 3150.

ENGL 4305 Chaucer (3 units)

The works of Chaucer with emphasis on The Canterbury Tales. Prerequisite: ENGL 3150.

ENGL 4310 Milton (3 units)

Representative poetry and prose of Milton, with emphasis on Paradise Lost. Prerequisite: ENGL 3150.

ENGL 4510 British Women Authors (3 units)

(Formerly Women Authors) (Same as GEND 4510) Readings in prose and poetry by British women authors selected to highlight the tradition of female writings. Significant themes, techniques, circumstances, and authors from the 17th century to the 20th. Prerequisite: ENGL 3150.

ENGL 4520 American Women Authors (3 units)

(Formerly ENGL 4510) (Same as GEND 4520) Readings in prose and poetry by American women authors selected to highlight the tradition of female writings. Significant themes, techniques, circumstances, and authors from the 17th century to the 20th. Prerequisite: ENGL 3150.

ENGL 4530 Gender and Sexuality in Literature (3 units)

(Same as GEND 4530) Introduction to the field of gay/lesbian/bisexual studies through the reading of literature and theory. Satisfies G.E. area G. Prerequisite: Upper-division standing.

ENGL 4600 Tutorial Projects in English (WP) (3 units)

An inquiry into the techniques of teaching the reading and writing of the English language. Instruction in the problems involved in tutoring students in English. May be repeated once for credit. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score. (Fall, Spring)

ENGL 4610 Literature and Writing for Secondary School English Teachers (4 units)

(Formerly Curriculum and Instruction: English) Emphasis on language arts curriculum for secondary and junior high school. Field observation. Prerequisites: ENGL 3009, ENGL 4850, and consent of instructor.

ENGL 4615 TESOL Methods (3 units)

For prospective teachers of English to speakers of other languages (TESOL), teachers of multicultural K-adult ESL classes, and teachers in bilingual education programs. Topics will include current approaches, methods, techniques and materials for various English as a second/foreign language settings.

ENGL 4620 Children's Literature (3 units)

Introduction to children's literature: fiction, poetry, drama, fantasy, fairy tales, folklore, and ethnic materials. Analysis and investigation of the techniques of teaching literature to children.

ENGL 4630 Adolescent Literature (3 units)

Study of representative works read by adolescents, including fiction, poetry, and drama.

ENGL 4700 Interdepartmental Study (2-5 units)

Various interdepartmental topics. Course content may vary from term to term. Different topics may be taken for credit under this number. Prerequisite: Consent of instructor.

ENGL 4800 Second Language Acquisition (3 units)

For prospective teachers of English to speakers of other languages, teachers of multicultural K-adult ESL classes, and teachers in bilingual education settings. Topics will include: Comparison/contrast of first and second language acquisition (SLA), cognitive strategies in SLA, personality and SLA, sociocultural factors in SLA, discourse analysis, error analysis, and inter-language.

ENGL 4850 English Grammar (3 units)

An extensive review of the principles of English grammar, designed particularly for teachers and prospective teachers of English; the changing notions of grammar: differences between colloquial and formal standard American English.

ENGL 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator.

ENGL 4925 Studies in World Literature (3 units)

Studies in world literature with variable content. Typical courses include Third World Novel and Myth in Literature: The Metamorphosis Motif. Two different titles may be taken for credit. Prerequisite: ENGL 3150.

ENGL 4930 Special Studies in American Literature (1-5 units)

Special studies in some area of American literature. Course content may vary from term to term. Typical courses include American Immigrant Literature, the American dream and American literature, The Literature of American Minorities, or California writers and the California scene. Different titles may be taken for credit under this number. Prerequisite: ENGL 3150.

ENGL 4950 Special Studies in English Literature (1-5 units)

Special studies in some area of English literature. Course content may vary from term to term. Typical courses include women in nineteenth and twentieth century literature, realism in English literature, minor writers, London in English literature. Different titles may be taken for credit under this number. Prerequisite: ENGL 3150.

ENGL 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced or specialized study. May be repeated for a total of six units. Prerequisite: Consent of instructor.

ENGL 4990 Senior Seminar (4 units)

Capstone course for the major. Advanced study in English literature or language, including TESOL. Typical literature seminars will focus on a genre, period, or a single author. TESOL seminars will focus on second language acquisition and methodological issues. A writing activity/portfolio assessment is required. Class will meet 3 hours per week, with one additional hour per week in writing groups and tutorial sessions. Prerequisites: Completion of 18 units of upper division English and senior standing. (TESOL Seminar: Spring only)

Humanities Program

Office: Vasché Library — L195
Phone: (209) 667-3361

Humanities courses are taught primarily by faculty from the Department of English, which administers the Humanities program. These courses are broader in scope than those offered within specific disciplines and are generally interdisciplinary in nature. The courses typically involve material from two or more of the following disciplines: Art, History, Literature, Music, Philosophy, and Theatre.

Course Descriptions**HUM 2000 Introduction to the Humanities (3 units)**

Introduction to the Humanities is a course which explores the ways in which people of different cultures and times express human experience in their artistic, literary, musical, and philosophical works. One example is a course which chronologically surveys the development of Western humanities from the Renaissance to the present. Satisfies G.E. area C2.

HUM 3000 Exploration in Humanities (3 units)

Exploration in Humanities is intended to give students an opportunity to explore in some depth one or two of the humanistic disciplines. Emphasized will be the nature and interrelationship of these disciplines, and independence in research in humanities. Satisfies G.E. area F2.

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.

HUM 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced or specialized study. May be repeated for a total of six units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

Department of Ethnic and Gender StudiesSari Miller-Antonio, Ph.D., *Chair*Office: Bizzini Hall 215
Phone: (209) 667-3127**Ethnic Studies Program****Professor:** Rios-Bustamante, Yang
Associate Professor: DeKatzew
Assistant Professor: Cotten**Minor in African American Studies****Minor in Chicano Studies****Minor in Ethnic Studies****Liberal Studies degree concentration in Bilingual Crosscultural:
Southeast Asian****Liberal Studies degree concentration in Bilingual Crosscultural:
Spanish****Liberal Studies degree concentration in Ethnic Studies****Social Sciences degree concentration in Ethnic Studies**

Ethnic Studies is a multidisciplinary program coordinating courses, activities, and projects to enhance the student's understanding of the roles, functions, and lifestyles of U.S. ethnic minorities. Students may take interdisciplinary courses offered through the Ethnic Studies program or other academic disciplines. See the Schedule of Classes for course availability each semester. Students interested in Ethnic Studies as a field should consult the faculty members above regarding the Special Major option.

Ethnic Studies Categories

The following is a list of the courses offered in Asian American Studies, African American Studies, and Chicano Studies designated according to the following categories:

Category I

An introduction to the study of the role, function, and lifestyles of American ethnic groups.

ETHS 2000 Contemporary African American Studies, 3 units
ETHS 2100 Contemporary Chicano Studies, 3 units
ETHS 2200 Contemporary Asian American Studies, 3 units

Category II

A detailed study of the cultural development of ethnic groups in America.

ANTH 3070 Peoples and Cultures of Africa, 3 units
ANTH 3106 Peoples and Cultures of Asia, 3 units
ANTH 3301 Native Americans of Canada and the U.S., 3 units
ANTH 3320 Native Peoples of Latin America, 3 units
ANTH 4130 Urban Subcultures: Chinatown, 1 unit

ETHS 3100 Asian American Images in Arts and the Media, 3 units
ETHS 3110 Looking for America: Chicano Images in Art and Film, 3 units
ETHS 3115 Celebrando Cultura: Chicana/o Identity and Popular Culture, 3 units
ETHS 3300 Hmong Cultural Experience in the United States, 3 units

Category III

A detailed study of the historical background of minority groups in America.

ETHS 4711 Latino Diaspora: History of U.S. Latinos, 3 units
HIST 3510 Colonial Latin America, 3 units
HIST 3520 Modern Latin America, 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, 1945 to the Present, 3 units
HIST 4500 History of Mexico, 3 units
HIST 4710 Mexican American History, 3 units
HIST 4800 Modern China, 3 units
HIST 4850 China and the United States, 3 units

Category IV

A study of the psychological, sociological, economic, educational, and political adjustments necessary for members of each of the groups to function in American society.

EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings, 3 units
ETHS 3000 The Chicana/o Political Experience, 3 units
ETHS 3200 Gender Roles in the Chicano Community, 3 units
ETHS 4000 The Mexican American Family, 3 units
ETHS 4010 The African American Family, 3 units
ETHS 4020 The African American Woman: Soul Sister, 4 units
ETHS 4030 Asian American Families, 3 units
ETHS 4040 Minority Family, Communities, and Schools, 3 units
ETHS 4100 Chicanos in Education, 3 units
ETHS 4110 Asian Americans in Education, 3 units

Category V

A synthesis of knowledge gained in the preceding courses with some introduction of research methodology for the study of each ethnic group.

ETHS 4200 The Minority Experience, 3 units
ETHS 4250 California Ethnic Experience, 3 units
ETHS 4350 Multiculturalism: From Bias to Reality, 3 units
ETHS 4940 Field Work in Ethnic Studies, 3 units
ETHS 4950 Selected Topics in Ethnic Studies, 1-5 units
ETHS 4960 Seminar in Ethnic Studies, 3 units, **or**
SSCI 4960 Social Science Interdisciplinary Seminar, 3 units
ETHS 4980 Individual Study, 1-4 units

Students are guaranteed that they can fulfill all upper-division requirements for both the minors in Ethnic Studies and African American Studies and for the concentration in Ethnic Studies in Stockton. Lower- and upper-division courses for the minors and concentration are offered in Turlock.

Minor in Ethnic Studies**Requirements** (18 units)

Complete 18 units in the ethnic studies program as approved by the minor adviser, including at least 12 upper-division units, distributed as follows:

1. Category I, to include two areas, 6 units
2. Category II–V, 6 units
3. Category V, 6 units

Minor in Chicano Studies**Requirements** (18 units)

Complete 18 units in the ethnic studies program in Chicano Studies as approved by the minor adviser, including at least 12 upper-division units, distributed as follows:

1. Category I, 3-6 units
2. Category II or III, 3 units
3. Category V, 6 units
4. Category II–V, 3-6 units

Minor in African American Studies**Requirements** (18 units)

Complete 18 units in the ethnic studies program in African American Studies as approved by the minor adviser, including at least 12 upper-division units, distributed as follows:

1. Category I, 3-6 units
2. Category II or III, 3 units
3. Category V, 6 units
4. Category II–V, 3-6 units

**Liberal Studies Concentrations in Ethnic Studies, Bilingual/
Crosscultural: Southeast Asian and Bilingual/Crosscultural:
Spanish**

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Ethnic Studies.

Please refer to the Social Sciences program section of the catalog.

Learning Objectives

Students will:

- Describe the fundamental concepts, theories and methods of research of Ethnic Studies such as critical race theory, historicism, and push-pull migration factors.

- Explain the major historical and global events like imperialism (colonialism), conquest, slavery, and war that have contributed to the formation and development of major ethnic communities in the U.S.
- Identify social policies relating to issues like immigration, racial segregation, ethnic internment, and language exclusion that affect these communities and connect scholarly inquiry to practical applications.
- Investigate topics in Ethnic Studies on library and Internet databases and formulate critical analyses.
- Participate effectively in California's broad array of cultures and understand their specific needs and social issues.

Course Descriptions**Lower Division****ETHS 2000 Contemporary African American Studies (3 units)**

A survey of the African American experience, a look at the distinctive African American culture and customs, and an analysis of the various problems of economic, religious, political, psychological, and educational adjustment. Particular emphasis will be placed on problems encountered in the ghetto and white resistance to change in the urban and suburban communities. Satisfies G.E. area D2. (Fall, Spring)

ETHS 2100 Contemporary Chicano Studies (3 units)

A survey of the Chicano experience, a look at the distinctive Chicano culture and customs, and an analysis of the various problems of economic, religious, political, psychological, and educational adjustment. Particular emphasis will be placed on problems encountered in the barrio, the farm labor situation, and the educational complications of bilingualism. Satisfies G.E. area D2. (Fall, Spring)

ETHS 2200 Contemporary Asian American Studies (3 units)

A survey of the Asian American cultures and customs, and an analysis of the various problems of economic, religious, political, psychological, and educational adjustment. Particular emphasis will be placed on inter-ethnic identity, identity crisis, and contacts among Asian Americans. Satisfies G.E. area D2.

ETHS 2950 Selected Topics in Ethnic Studies (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of ethnic studies. Topics vary each term, thus different topics may be taken for credit.

Upper Division**ETHS 3000 The Chicana/o Political Experience (3 units)**

Explores the origins and development of Mexican American/Chicano/a communities in the United States. Offers an interdisciplinary examination of the major historical processes that have shaped their political experiences since 1850.

ETHS 3100 Asian American Images in the Arts and Media (3 units)

An examination of the positive and negative media images of Asian Americans through a critical study of historical documentaries, contemporary film, and literature.

ETHS 3110 Looking for America: Chicano Images in Art and Film (3 units)

An examination of the positive and negative images of Chicano/Latinos through a critical study of documentaries, film, and current slides of art.

ETHS 3115 Celebrando Cultura: Chicana/o Identity and Popular Culture (3 units)

Explores expressions of Chicana/o ideology, philosophy, and cultural production from the 1960s to the present. Authors include Rodolfo "Corky" Gonzalez, Luis Valdez, Rolando Hinojosa, Lorna Dee Cervantes, Sandra Cisneros, Ana Castillo, and others.

ETHS 3200 Gender Roles in the Chicano Community (3 units)

(Formerly Chicanas in Society and Culture) (Same as GEND 3200) This course on Las Chicanas is a interdisciplinary course that will investigate sociological situations and cultural contradictions of Chicanas. Issues of gender role expectations, tradition and change, and Chicana feminism will be studied. Chicana contributions to society will be examined.

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 3300 Hmong Cultural Experience in the United States (3 units)

Explores the many experiences of Hmong Americans. It covers Hmong social, cultural, and historical experience from the past to the present, and emphasizes reflection on the responses of the Hmong and their American born children to the pressures and demands of life in America.

ETHS 4000 The Mexican American Family (3 units)

(Same as GEND 4000) Basic sociological structure and functions of the family as a social institution. Application of role theory to the Chicano family as a unit of interacting personalities. Courtship, marriage, and child rearing practices, etc. The relationship of the Chicano family with other institutional factors of the society. Stress is placed on the changing sex roles for the Chicano family members. Corequisite: ETHS 4003. Prerequisite: ETHS 2100 or 4200. (Lecture, 2 hours; activity, 2 hours)

ETHS 4010 The African American Family (3 units)

(Same as GEND 4010) A social psychological approach to studying the African American family as a basic social unit. A variety of perspectives are used to describe and explain how family members function in terms of courtship, marriage, child rearing practices, etc. The family's relationship with other institutions in the wider society also is considered.

ETHS 4020 The African American Woman: Soul Sister (4 units)

(Same as GEND 4020) A review of popular notions about the identity of the African American woman in the U.S. Stereotypes will be contrasted with examples of her position, role, and status in past and present society. Explanations or systematic accounts regarding the African American woman's behavior will be offered from a social psychological perspective.

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.

ETHS 4040 Minority Family, Communities, and Schools (3 units)

Addresses the social, economic, cultural, and educational experiences of California's ethnic and cultural minorities. Special emphasis is on the interconnected roles of the minority families, communities, and schools in the learning process. The course covers various perspectives needed today to prepare future teachers to teach and work with minority students and their families. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

ETHS 4100 Chicanos in Education (3 units)

Investigation of the success and failure of Chicanos in Education. Attention will be focused on past issues of segregation and Americanization. The 21st century education system will be studied as to its purposes in the industrial and post-industrial eras.

ETHS 4110 Asian Americans in Education (3 units)

Explores the various perspectives of the Asian American experience in the American educational system. It addresses the "Model Minority" myth and reality, and the diverse needs of Asian American students. Special emphasis is on the recent arrivals: Southeast Asians in the Central Valley.

ETHS 4150 Gender and Ethnicity in Children's Literature and Culture (3 units)

(Same as GEND 4150) Examination of the representations of gender and ethnicity in children's literature and media attending to sociohistorical and racial/cultural representation, gender and sexuality, stereotyping, class status, assimilation/acculturation, multiculturalism, and diversity. Satisfies G.E. area F2 and G.

ETHS 4200 The Minority Experience (3 units)

A study of the history, culture, and current problems of racial and ethnic minorities with emphasis on cultural clashes, curriculum development, and the psychology of each major group, i.e., African American, Chicano, Asian American, and Native American. Satisfies G.E. areas F3 and G. (Fall, Spring)

ETHS 4250 California Ethnic Experience (3 units)

Course examines the experience of racial and ethnic minorities in California. Course will emphasize the major ethnic and racial groups residing in California and will address the shifting meanings of race and ethnicity over time. Discussion will include issues impacting ethnic groups, as well as ethnic contributions to the making of California. Course will help prospective teachers know the various perspectives needed to better prepare them to teach more effectively in today's diverse classrooms and to work with today's diverse parents. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

ETHS 4350 Multiculturalism: From Bias to Reality (3 units)

(Same as GEND 4350) An examination of progressive change from the conventional majoritarian bias to self-awareness, self-identity, and self-esteem, i.e. the changing consciousness of systematically disadvantaged groups in the United States. Utilizing the theoretical framework of Anthony Wallace, the self-articulation of African Americans, Chicanos, Latin Americans, Asian Americans and women are reviewed. Integrating concepts are used to identify the operative dynamic of exclusion and to articulate an ideal of multiculturalism and diversity. Satisfies G.E. area G.

ETHS 4711 Latino Diaspora: History of U.S. Latinos (3 units)

Comparative History of U.S. Latino/Hispanic peoples including Mexican Americans, Puerto Ricans, Cubans, Dominicans, Central Americans, South Americans, and Spaniards. Historical context, origins, development of Latin American national, cultural identities; regional characteristics; immigration; nativist responses; assimilation; cultural continuity, and change. Prerequisite: ETHS 2100 or consent of instructor.

ETHS 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. Up to 3 units may be counted as elective units toward the minors available in Ethnic Studies. Prerequisites: Normally, ETHS 2000 or 2100, and completion of ETHS 4000, 4010, or 4020 will serve as the minimum requirements for enrollment in ETHS 4910.

ETHS 4940 Field Work in Ethnic Studies (3 units)

Student will intern, perform work, or volunteer in an arranged school, community organization, institution, agency setting, or other in an educational, research program and produce a 12- to 20-page directed research paper or project. Seeks to bridge the gap between the intellectual pursuit of knowledge and its practical application to multicultural relations. May be repeated for a total of 6 units.

ETHS 4950 Selected Topics in Ethnic Studies (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of ethnic studies. Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

ETHS 4960 Seminar in Ethnic Studies (3 units)

A synthesis of existing knowledge from ethnic studies material; relating pertinent background information to special independent projects. Prerequisites: Coursework in ethnic studies and consent of instructor.

ETHS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced or specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Gender Studies

Betsy Eudey, Ph.D., *Director*

Professor: Broin

Assistant Professor: Eudey

Office: Bizzini Hall 107B

Phone: (209) 664-6673

Minor in Gender Studies

This program is designed to provide support to students who wish to specialize in gender issues, and to provide a coherent academic program in Gender Studies which is well integrated with other disciplines and departments. All students are greatly benefited by exposure to analysis and study of the way in which gender affects the various aspects of their lives, including their careers and the way in which careers impact home and leisure.

The Gender Studies minor examines the roles of men and women in modern society. The core courses include those that focus on women's studies and on gender issues in our society. Electives examine gender roles within the context of other topics. These courses provide supporting background and assist the student in integrating the interdisciplinary minor with career goals.

Core Requirements (12 units)

1. Complete the following core course (3 units):
GEND 3550 Society and Gender, 3 units
2. Select ONE of the following (3 units):
GEND 3000 Contemporary Gender Studies Research, 3 units **or**
GEND 4200 Gender Theory, 3 units
3. Select 6 additional units from the following core courses (6 units):
GEND 2020 Introduction to Women's Studies, 3 units
GEND 2500 Women's Development and Lifestyle Choices, 3 units
GEND 3000 Contemporary Gender Studies Research, 3 units*
GEND 4100 Gender and Education, 3 units
GEND 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units
GEND 4200 Gender Theory, 3 units
GEND 4910 Cooperative Education, 2-4 units*
GEND 4920 Gender Studies Practicum, 1-4 units* (recommended)
GEND 4950 Selected Topics in Gender Studies, 1-5 units*
GEND 4980 Individual Study, 1-4 units*

Electives (6 units)

4. Select 6 units of electives with a GEND designation or cross-listed with Gender Studies.

Additional courses may be included in the minor if approved by the Director of Gender Studies. Courses listed in the core but not used as part of the 12-unit requirement may be selected as electives. Approved courses currently include:

GEND/SOCL 2010 Sociology of Sexual Behavior, 3 units
GEND 2020 Introduction to Women's Studies, 3 units
GEND 2500 Women's Development and Lifestyle Choices, 3 units
GEND 3000 Contemporary Gender Studies Research, 3 units*
GEND/ETHS 3200 Gender Roles in the Chicano Community, 3 units
GEND/SOCL 3320 The Sociology of Men and Society, 3 units
GEND/PSCI 3444 Gender and Sexuality in the Middle East, 4 units
GEND/PSYC 3660 Psychology of Women, 3 units
GEND/ANTH 3900 Anthropology of Gender and Sexuality (WP), 3 units
GEND/ENGL 3950 International Non-European Women Authors, 3 units
GEND/ETHS 4000 The Mexican American Family, 3 units
GEND/ETHS 4010 The African American Family, 3 units
GEND/ETHS 4020 The African American Woman: Soul Sister, 4 units
GEND/ETHS 4030 Asian American Families, 3 units
GEND/COMM 4040 Gender Communications, 3 units
GEND 4100 Gender and Education, 3 units
GEND 4150 Gender and Ethnicity in Children's Literature and Culture, 3 units
GEND 4200 Gender Theory, 3 units
GEND/PSCI 4305 Gender Politics at Work, 3 units
GEND/PSCI 4311 Women in American Law, 3 units
GEND/ETHS 4350 Multiculturalism: From Bias to Reality, 3 units
GEND/ENGL 4510 British Women Authors, 3 units
GEND/ENGL 4520 American Women Authors, 3 units
GEND/ENGL 4530 Gender and Sexuality in Literature, 3 units
GEND/PHIL 4600 Philosophy and Feminism, 3 units
GEND/HIST 4620 Gender in United States History, 3 units
GEND/HIST 4750 Comparative World Women: Perceptions of Gender, 3 units
GEND 4910 Cooperative Education, 2-4 units*
GEND 4920 Gender Studies Practicum, 1-4 units*
GEND 4950 Selected Topics in Gender Studies, 1-5 units*
GEND 4980 Individual Study, 1-4 units*

**Repeated enrollments in these courses may be included in the Minor if approved by the Director of Gender Studies.*

Learning Objectives

- Identify major contemporary social, economic, political, and psychological issues facing the sexes.
- Discuss major topics and approaches in the history of feminist theory, queer theory, and masculinity theory.
- Explore how social constructions of gender, sex, and sexual identity intersect with institutions, society, cultural practices, careers, and work environments.

- Identify how differences in sex, sexual identity and orientation, race/ethnicity, class, age, ablebodiedness, religion, geographic identification, and other identities structure the nature of gender-based inequality, justice, and oppression.
- Analyze the variations in gender systems across cultures and time.
- Explore strategies for transforming coercive and unequal gender systems and enhancing individual choice and our common humanity.
- Connect scholarly inquiry to practical applications.
- Engage in cultural critique of representations of sex, gender, and sexuality as they intersect with other identity and cultural factors.

Course Descriptions

Lower Division

GEND 2010 Sociology of Sexual Behavior (3 units)

(Same as SOCL 2010) Examines a variety of approaches to understanding sexual behavior. Typical patterns of sexual interactions will be contrasted with deviant sex styles. Presents a wide range of conflicting viewpoints on some of the most controversial issues today including abortion, sex education, and AIDS. Prerequisite: SOCL 1010.

GEND 2020 Introduction to Women's Studies (3 units)

An introduction to the political, literary, and critical history of feminist thinking and women's rights. Seeks to put the concerns and contributions of the women's movement — from the nineteenth century through the twentieth—into a perspective that has value and meaning for today's student of women's studies. Satisfies G.E. area D2. (Fall)

GEND 2500 Women's Development and Lifestyle Choices (3 units)

Examines female development and experiences, psychology, and current choices. The latter would include comparative analysis of development from a woman's perspective. Special attention will be given to the feminine experience in decision-making, career advancement, and balancing the various components of one's life. Satisfies G.E. area E1. (Spring)

Upper Division

GEND 3000 Contemporary Gender Studies Research (3 units)

(Formerly MDIS 4000 and Women's Studies Colloquium) Exploration of current research on gender and the methods utilized in gender-based research. Guest lecturers share the processes and outcomes of their own research on gender studies topics. May be repeated one time with approval of program director.

GEND 3200 Gender Roles in the Chicano Community (3 units)

(Formerly Chicanas in Society and Culture; same as ETHS 3200) An interdisciplinary course on las chicanas that will investigate sociological situations and cultural contradictions of Chicanas. Issues of gender role expectations, tradition and change, and Chicana feminism will be studied. Chicana contributions to society will be examined.

GEND 3320 The Sociology of Men and Society (3 units)

(Same as SOCL 3320) A review of existing research and issues related to the social construction of diverse masculinities in contemporary societies. An emphasis on topics such as violence, sexualities, work, families, men's associations, and health. Satisfies G.E. area G.

GEND 3444 Gender and Sexuality in the Middle East (4 units)

(Same as PSCI 3444) Offers a study of women and sexuality in the Middle East region with special emphasis on the Arab world. It deals with the issues of gender conflict and the changing roles of women in society. Deals extensively with the subject of the impact of Islam on the lives of women and men. The subject of feminism in the Middle East also will be covered. Satisfies G.E. area G.

GEND 3550 Society and Gender (3 units)

Designed to analyze the social construction of gender. We will explore the various social institutions and practices that encourage the existing conceptions of masculinity and femininity. Early childhood socialization, practices of parenting, the educational institution, family structures, economic and work structures, the legal institution, violence against women, and intimate relationship practices will be analyzed in terms of their contribution to the social construction of gender. Satisfies G.E. area F3. (Spring)

GEND 3660 Psychology of Women (3 units)

(Same as PSYC 3660) Provides a psychological examination of the nature and experiences of women in contemporary society. Topics to be discussed include women and power, the meaning of sexuality, stress and conflict surrounding women's roles, and male-female relationships. (Fall, even years)

GEND 3700 Ethnic and Gender Politics (4 units)

(Same as PSCI 3700) Focuses on the politics of ethnicity and gender. It will begin with a consideration of the Euro-patriarchal ideology underlying social relations in capitalist societies, investigate the impact on the relations on peoples experiencing colonization (Native Americans, African-Americans, Mexican-Americans, Asian-Americans, other "third world" peoples, and women everywhere) and discrimination because of sexual preferences, and conclude with critical perspectives arising out of contemporary liberation movements. Satisfies G.E. area G.

GEND 3750 Women in Sport (3 units)

(Same as PHED 3750) Introduction to the female's role within the American sport experience. Historical and sociocultural perspectives which have influenced the involvement of women in a traditionally male sports world will be emphasized.

GEND 3900 Anthropology of Gender and Sexuality (WP) (3 units)

(Same as ANTH 3900) Comparative study of traditional and changing gender and sexuality roles, expressions, and identities in a wide range of contemporary cultures. Satisfies upper division writing proficiency requirement. Satisfies G.E. area G. Prerequisite: Passing the Writing Proficiency Screening Test; ANTH 2060 recommended or consent of instructor.

GEND 3950 International Non-European Women Authors (3 units)

(Same as ENGL 3950) Readings in women authors from the non-European world, i.e., from Africa, India, the Near East, the Orient, Latin America, the Caribbean. Prerequisite: ENGL 3100 or consent of instructor.

GEND 4000 The Mexican American Family (3 units)

(Same as ETHS 4000) Basic sociological structure and functions of the family as a social institution. Application of role theory to the Chicano family as a unit of interacting personalities. Courtship, marriage, and child-rearing practices, etc. The relationship of the Chicano family with other institutional factors of the society. Stress is placed on the changing sex roles for the Chicano family members. Corequisite: GEND 4003. Prerequisite: ETHS 2100 or 4200. (Lecture, 2 hours; activity, 2 hours)

GEND 4620 Gender in United States History (3 units)

(Formerly GEND 3680) (Same as HIST 4620) American history with reference to female experiences, value systems, and ethnic diversity from the Colonial period to the present. Includes discussion of various theoretical approaches. Prerequisite: One year of college-level history or consent of instructor.

GEND 4010 The African American Family (3 units)

(Same as ETHS 4010) A social psychological approach to studying the African American family as a basic social unit. A variety of perspectives are used to describe and explain how family members function in terms of courtship, marriage, child rearing practices, etc. The family's relationship with other institutions in the wider society also is considered.

GEND 4020 The African American Woman: Soul Sister (4 units)

(Same as ETHS 4020) A review of popular notions about the identity of the African American woman in the United States. Stereotypes will be contrasted with examples of her position, role, and status in past and present society. Explanations or systematic accounts regarding the African American woman's behavior will be offered from a social psychological perspective.

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 4040 Gender Communication (3 units)

(Same as COMM 4040) Examines the relationship between gender and communication, explores theories of gender development and identify, analyzes gendered verbal and nonverbal communication, and looks at gender in specific settings.

GEND 4100 Gender and Education (3 units)

Examination of the progress toward achievement of gender equity in education and the manner in which education responds to, reflects, and shapes societal perspectives on gender. Satisfies G.E. areas F3 and G.

GEND 4150 Gender and Ethnicity in Children's Literature and Culture (3 units)

(Same as ETHS 4150) Examination of the representations of gender and ethnicity in children's literature and media attending to sociohistorical and racial/cultural representation, gender and sexuality, stereotyping, class status, assimilation/accluturation, multiculturalism, and diversity. Satisfies G.E. area F2 and G.

GEND 4200 Gender Theory (3 units)

A study of historical and contemporary feminist, masculinity, and queer theories including attention to the variety of theoretical perspectives; intersections of race, class, sexuality, and gender; and applications of theory. (Spring)

GEND 4303 Women's Spirituality: Application (1 unit)

Involves student application of the conceptual material presented in GEND 4304 to a creative project of the student's own research and design. The project is to be presented to the class. Corequisite: GEND 4304. (Activity, 2 hours; discussion, 2 hours)

GEND 4304 Women's Spirituality: A Theological View (2 units)

Examines theology, the thematic treatment of women, and reconstructs major themes from a woman-created approach. It contrasts contemporary trends in women's spirituality with the liturgical tradition. Corequisite: GEND 4303. (Activity, 2 hours; discussion, 2 hours)

GEND 4305 Gender Politics at Work (3 units)

(Formerly Changing Sex Roles in Organizations; same as PSCI 4305) Deals with changes in the work environment resulting from the influx and upward mobility of women into professional positions. Addresses the dynamics of the change for both men and women. Specific topics include changing demographics, cultural taboos, problems, and the legal climate.

GEND 4311 Women in American Law (3 units)

(Same as PSCI 4311) Designed to examine American law, focusing upon significant, recent, and current cases and opinion which act to discriminate between the rights, duties, and obligations of men and women on the basis of gender.

GEND 4350 Multiculturalism: From Bias to Reality (3 units)

(Same as ETHS 4350) An examination of progressive change from the conventional majoritarian bias to self-awareness, self-identity, and self-esteem, i.e., the changing consciousness of systematically disadvantaged groups in the United States. Utilizing the theoretical framework of Anthony Wallace, the self-articulation of African-Americans, Chicanos, Latin-Americans, Asian-Americans, and women are reviewed. Integrating concepts are used to identify the operative dynamic of exclusion and to articulate an ideal of multiculturalism and diversity. Satisfies G.E. area G.

GEND 4510 British Women Authors (3 units)

(Same as ENGL 4510) Readings in prose and poetry by women authors selected to highlight the tradition of female writing. Significant themes, techniques, circumstances, and authors from the 17th to the 20th century. Prerequisite: ENGL 3100.

GEND 4520 American Women Authors (3 units)

(Same as ENGL 4520) Readings in prose and poetry by American women authors selected to highlight the tradition of female writings. Significant themes, techniques, circumstances, and authors from the 17th to the 20th century. Prerequisite: ENGL 3100.

GEND 4530 Gender and Sexuality in Literature (3 units)

(Same as ENGL 4530) Introduction to the field of gay/lesbian/bisexual studies through the reading of literature and theory. Satisfies G.E. areas F3 and G. Prerequisite: Upper-division standing.

GEND 4600 Philosophy and Feminism (3 units)

(Same as PHIL 4600) Philosophical examination of the experience and status of women, the construction of gender, and the intersections between feminism, race, class, age, and sexual orientation. Satisfies G.E. area G.

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.

GEND 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental policy. Prerequisites: Sophomore standing; consent of departmental coordinator.

GEND 4920 Gender Studies Practicum (1-4 units)

An opportunity to acquire relevant, practical experience through unpaid work in an agency or setting addressing gender issues. Also involves a journal/reflection paper and conferences with the program director. May be repeated for a total of 8 units. Prerequisites: Sophomore standing and consent of the program director.

GEND 4950 Selected Topics in Gender Studies (1-5 units)

(Topics to be specified in the Schedule of Classes) (Formerly Selected Topics in Women's Studies) Development of a particular branch of gender studies. Topics vary each year. Different topics may be taken for credit.

GEND 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Department of History

Samuel Regalado, Ph.D., *Chair*

Office: Bizzini Hall 118
Phone: (209) 667-3238

Professors: Carroll, B., Regalado, Taniguchi, Weikart
Associate Professor: Sanchez-Walker, Wang
Assistant Professors: David, Garone, Royer

Bachelor of Arts in History**Minor in History****Minor in World History****Master of Arts in History***

with a concentration in International Relations

and a concentration for secondary school teachers

Liberal Studies degree concentration in History**Social Sciences degree concentration in History**

*See the *Graduate Catalog*.

History provides a general background for studying the humanities or social sciences and understanding the contemporary world. Preparation in history is especially useful for careers which require careful judgment on the basis of limited evidence, such as the United States Foreign Service, journalism, and law, as well as teaching and a variety of civil service functions.

The Department of History supports the concept of international education and encourages students to investigate opportunities for overseas study described in the Global Affairs section of the catalog.

Bachelor of Arts in History**Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (8 units).
 - a. A one-year sequence in American, European, or non-Western history, 6 units
 - b. HIST 2900 Library Resources and Bibliographical Control for Historical Research, 2 units

Note: SSCI 3000 also satisfies this requirement.

3. Complete the major of 30 upper-division units. No courses graded CR may be counted towards the major, except eight units taken in courses graded exclusively CR/NC.

Note: Reading knowledge of a foreign language is desirable for the bachelor's degree and is required for some of the graduate history programs here and in most other schools.

The Major (30 units minimum)

1. Select one course in upper-division European history from the following list (3 units):
 - HIST 3120 Ancient Mediterranean World, 3 units*
 - HIST 3140 Medieval Europe, 3 units*
 - HIST 3210 Renaissance and Reformation, 3 units*
 - HIST 3220 Absolutism and Revolution, 1598-1799, 3 units
 - HIST 3230 Nineteenth Century Europe, 3 units
 - HIST 3240 Twentieth Century Europe, 3 units
2. Select one course in upper-division United States history from the following list (3 units):
 - HIST 3610 Colonial North America, 3 units
 - HIST 3620 Early National United States, 3 units
 - HIST 3630 U.S. Reconstruction through World War II, 3 units
 - HIST 3640 Contemporary United States, 3 units
3. Complete two upper-division courses in non-Western history from the following list (6 units):
 - HIST 3510 Colonial Latin America, 3 units*
 - HIST 3520 Modern Latin America, 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, 1945 to the Present, 3 units
 - HIST 3900 Arab-Islamic Civilization: Origins to the Present, 3 units*
 - HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units

**Note: At least two courses from 1, 2, and 3 above must be in a pre-modern era. Courses fulfilling this requirement bear asterisks (*). Also fulfilling this requirement is:*

 - HIST 4350 English Culture to 1603, 3 units.
4. Complete the following Writing Proficiency course (4 units):
 - HIST 4960 Senior Seminar (W/P), 4 units
5. Complete sufficient electives to equal at least 30 upper-division units in history.

Minor in History

Requirements (18 units)

Complete 18 units in history, of which 12 units must be upper-division history courses. All but Winter Term courses are to be taken for a letter grade. Select courses for the degree minor in history in consultation with and approval of the minor adviser.

Minor in World History

The 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.

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 community colleges may satisfy these requirements, but they must be world, not western, civilization courses.

Upper Division

1. 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 Modern Atlantic Slavery, 3 units
 - HIST 4850 China and United States, 3 units
2. 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, 1945 to the Present, 3 units
 - HIST 3900 Arab-Islamic Civilization: Origins to the Present, 3 units
 - HIST 4210 European Intellectual History: Renaissance to the Present, 3 units
 - HIST 4500 History of Mexico, 3 units
 - HIST 4710 Mexican American History, 3 units

Liberal Studies concentration in History

Please refer to the Liberal Studies section of the catalog.

Social Sciences concentration in History

Please refer to the Social Sciences program section of the catalog.

Learning Objectives

Students are expected to be able to:

- Develop skills in critical thinking and analysis.
- Locate secondary and primary historical sources in all forms.
- Analyze secondary sources to recognize their main interpretations.
- Analyze primary sources, understanding the importance of historical context.
- Implement effective written and oral communication skills.
- Cite sources properly.
- Demonstrate the ability to perceive any given event from more than one cultural viewpoint.

Course Descriptions**Lower Division****HIST 1010 World Civilizations I (3 units)**

Intellectual, political, and social history of world civilizations from their origins through approximately 1600. Examination of peoples' efforts to organize their society, to understand the nature of their universe, and to interpret the riddle of human destiny. Satisfies G.E. areas D2 and G. (CAN HIST 14) (Fall, Winter, Spring)

HIST 1020 World Civilizations II (3 units)

Continuation of HIST 1010. The world since approximately 1600. Satisfies G.E. areas D2 and G. (CAN HIST 16) (Spring)

HIST 2000 Readings in History (1-2 units)

Readings in a selected historical era. Concurrent enrollment in a related history course is required. Papers on works read will be required. Prerequisite: Consent of instructor.

HIST 2600 Problems in U.S. History (3 units)

Focus on selected issues and themes in American history, including examination of America in relation to the world; the American Revolution; rise of democratic politics; slavery, abolitionism, and sectional conflict; race and ethnic relations; philosophies of government; reform movements; foreign policy. Open only to freshmen and sophomores. Satisfies G.E. area D1. (Fall, Winter, Spring)

HIST 2900 Library Resources and Bibliographical Control for Historical Research (2 units)

Survey of abstracts, bibliographies, biographical directories, book review indexes, dictionaries, documents, encyclopedias, and indexes for historical research, and the application of footnote and bibliographical methods for history majors.

HIST 2950 Selected Topics in History (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of history. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division**HIST 3000 Introductory Seminar in History (WP) (3 units)**

Introduction to the study of history as a discipline, with focus on a major historical work. The circumstances under which the work was produced will be examined through reading, class discussion, and individual work with the instructor. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; one year of college-level history or consent of instructor.

HIST 3090 Contemporary World History (3 units)

Integrated global history of mankind since 1945. The aftermath of World War II; the Cold War; the collapse of colonial empires; the impact of the death of Stalin; the youth revolution; Sino-Soviet rivalry; and U.S.-Soviet detente. Satisfies G.E. areas F3 and G. Prerequisite: One year of college-level history or consent of instructor. (Spring)

HIST 3120 Ancient Mediterranean World (3 units)

The Hellenistic Age, Roman Republic and Empire, and the triumph of Christianity. Prerequisite: One year of college-level history or consent of instructor. HIST 1010 recommended.

HIST 3140 Medieval Europe (3 units)

Western Europe from ca. 500–ca. 1300: a study of social, political, and intellectual developments. Prerequisite: One year of college-level history or consent of instructor. HIST 1010 recommended.

HIST 3210 Renaissance and Reformation (3 units)

European social, political, economic, and intellectual changes from the late Middle Ages to 1598: The Renaissance state, Renaissance humanism; the Reformation; social impact of the Reformation. Prerequisite: One year of college-level history or consent of instructor.

HIST 3220 Absolutism and Revolution, 1598-1799 (3 units)

European social, political, economic, and intellectual changes: Royal absolutism; the scientific revolution; seventeenth-century revolutions; the Enlightenment; the French Revolution. Prerequisite: One year of college-level history or consent of instructor.

HIST 3230 Nineteenth Century Europe (3 units)

Democratization in the age of nationalism; Napoleon to Sarajevo. Prerequisite: One year of college-level history or consent of instructor. (Fall)

HIST 3240 Twentieth Century Europe (3 units)

Origins of World War I: The War, the uneasy peace, the democracies and the dictators between the wars, World War II and the Cold War. Prerequisite: One year of college-level history or consent of instructor. (Spring)

HIST 3400 The Great Teachings (3 units)

History and analysis of major world religions and ideologies: Greco-Roman, Buddhist, Hindu, Judaic, Christian, Islamic, Marxist. Satisfies G.E. areas F3 and G. Prerequisite: One year of college-level history or consent of instructor. (Fall)

HIST 3510 Colonial Latin America (3 units)

(Formerly Latin America in Colonial Times) A survey of Latin American history: native Indian cultures, European conquests and resulting cultural conflict, Spanish and Portuguese rule, and trends in colonial society. Prerequisite: One year of college-level history or consent of instructor. (Fall)

HIST 3520 Modern Latin America (3 units)

(Formerly Latin American States Since Independence) From the struggle for independence to the late-twentieth century. Prerequisite: One year of college-level history or consent of instructor. (Spring)

HIST 3610 Colonial North America (3 units)

(Formerly Colonial America) The Anglo-American colonies of the North American mainland, from their foundation through their maturation and struggle for independence to their emergence as the United States of America. Satisfies G.E. area D1. Prerequisite: One year of college-level history or consent of instructor. (Fall)

HIST 3620 Early National United States (3 units)

(Formerly Early National America) United States, 1789-1865. Origins of the young republic through the Civil War. European perils and American responses; nationalism; political philosophies and emergence of democratic politics; slavery, abolitionism, and sectional conflict. Satisfies G.E. area D1. Prerequisite: One year of college-level history or consent of instructor. (Spring)

HIST 3630 U.S. Reconstruction through World War II (3 units)

(Formerly United States After the Civil War) United States, 1865-1945. Reconstruction, Gilded Age, Progressive Era, 1920's, Great Depression, through World War II. The roots of the present U.S.A. Satisfies G.E. area D1. Prerequisite: One year of college-level history or consent of instructor. (Fall, Spring)

HIST 3640 Contemporary United States (3 units)

(Formerly Contemporary America) United States since 1945. Cold War to the present: America's role as a great power; problems of welfare capitalism. Satisfies G.E. area D1. Prerequisite: One year of college-level history or consent of instructor. (Fall, Spring)

HIST 3720 United States Ethnic and Immigrant Past (3 units)

(Formerly America's Ethnic and Immigrant Past Since 1865 and The American Ethnic Mosaic Since 1865) A general survey which outlines the immigrant/ethnic saga in the United States since the Civil War. The instructor will highlight ideological, political, judicial, and economic elements which have impacted the social experience of those outside the American mainstream. Prerequisite: One year of college-level history or consent of instructor.

HIST 3730 Afro American History (3 units)

The development of the Black community in the United States; African origins, American slavery, reconstruction, and the foundations of the Black community in modern America. Prerequisite: One year of college-level history or consent of instructor.

HIST 3800 East Asia in Traditional Times (3 units)

Origins and development of the principal institution and cultural patterns of China, Japan, and Korea from earliest times to the nineteenth century. Prerequisite: One year of college-level history or consent of instructor. (Fall)

HIST 3810 East Asia in the Modern World (3 units)

Disintegration of the traditional civilizations of China, Japan, and Korea under the impact of the West, and the subsequent quest for reintegration and adjustment to the West since the nineteenth century. Prerequisite: One year of college-level history or consent of instructor. (Spring)

HIST 3860 Africa Before 1885 (3 units)

Historical development of social, political, and economic institutions of traditional African societies and relations with classical antiquity, Asia, Europe, and the Americas. Prerequisite: One year of college-level history or consent of instructor.

HIST 3880 Contemporary Africa, 1945 to the Present (3 units)

The interplay of historical forces leading to the decolonization of Africa, the reorganization of African state systems, and Africa's participation in world affairs. Prerequisite: One year of college-level history or consent of instructor.

HIST 3891 The Oriental Mind (3 units)

(Formerly HIST 3890) Historical survey of the major works of Chinese thought illustrating the main tenets and evolution of Confucianism, Taoism, Buddhism, and Maoism. Prerequisite: One year of college-level history or consent of instructor.

HIST 3900 Arab-Islamic Civilization: Origins to the Present (3 units)

An introduction to the subject of Islam as a religion and civilization dealing with the succession problem after Muhammad's death and with the various dynasties that ruled in the Middle East from the seventh to the twentieth centuries. The various facets of the Arab/Islamic civilization will be studied. The relationship between the Middle East and the West will be closely examined. Prerequisite: One year of college-level history or consent of instructor.

HIST 4000 Readings in History (1-2 units)

Reading in a selected historical era. Concurrent enrollment in a related history course is required. Papers on works read will be required. Prerequisite: One year of college-level history or consent of instructor. Cannot count toward M.A. (Fall, Spring)

HIST 4010 Practicing Public History (3 units)

(Formerly Practicing Local History) In a workshop setting, develop hands-on experience in routes to historical knowledge, preservation, and interpretation, including oral history, museum display, and interpretation of sites, buildings, documents, and photographs. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry) Prerequisites: Junior level standing and one year of college-level history or consent of instructor.

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

A study of the age of European colonialism, the era of the struggle for independence, and the creation of modern states. Prerequisite: One year of college-level history or consent of instructor.

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

A study of the major ideologies in modern Europe and the means by which these ideologies were institutionalized. Prerequisite: One year of college-level history or consent of instructor.

HIST 4250 In Search of Human Nature (3 units)

This course for prospective teachers will explore both historical and contemporary debates on human nature, i.e., are human behavior and society shaped by nature (biology) or nurture (environment), and what are the implications of this for education? Prerequisite: Two semesters of college-level history or consent of instructor. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

HIST 4300 History of Western Christianity (3 units)

(Formerly HIST 3300) A survey of the development of Christianity from the age of Constantine to the present. Emphasis will be placed on Christian thought, Christian institutions, and the relationship between Christianity and society in Western history. Prerequisite: One year of college-level history or consent of instructor.

HIST 4310 Judaism and Jewish History: A Survey (3 units)

(Formerly HIST 3310) A survey of the history of Judaism and the Jews from their origin to the rise of the state of Israel. Emphasis will be on Jewish thought, Jewish institutions, and the relationship between the Jewish and the non-Jewish world. Prerequisite: One year of college-level history or consent of instructor.

HIST 4340 Modern Germany (3 units)

The problem of German disunity since the Reformation. The rise of Prussia, romanticism and German nationalism, World War I, Hitler, and World War II, the partition of Germany since 1945. Prerequisite: One year of college-level history or consent of instructor.

HIST 4341 Hitler and the Nazi Era (3 units)

Explores in depth Hitler, fascist ideology, the Nazi rise to power, totalitarian rule and its consequences, including the Holocaust and World War II in Europe. Prerequisite: One year of college-level history or consent of instructor. (Winter)

HIST 4350 English Culture to 1603 (3 units)

Political, cultural, and constitutional history from the Anglo-Saxon invasion to the creation of a modern nation state. Prerequisite: One year of college-level history or consent of instructor.

HIST 4360 British Culture 1603 to the Present (3 units)

An integrated study of British cultural developments from the Stuart era to the present. Prerequisite: One year of college-level history or consent of instructor.

HIST 4420 Russia to 1917 (3 units)

Russia from earliest times to the revolutions of 1917. Prerequisite: One year of college-level history or consent of instructor.

HIST 4430 Twentieth-Century Russia (3 units)

Russia, its empire, and world impact on the twentieth century, concentrating on the Soviet period, 1917-1991. Prerequisite: One year of college-level history or consent of instructor.

HIST 4440 Western Science and Society Since Copernicus (3 units)

The interaction of science and society, probing the impact of science on politics, economics, philosophy, and religion, as well as social and cultural influences on modern science. Prerequisite: One year of college-level history or consent of instructor.

HIST 4500 History of Mexico (3 units)

From independence to the mid-twentieth century. Prerequisite: One year of college-level history or consent of instructor.

HIST 4510 The United States and Latin America (3 units)

A comprehensive survey of the relations between the Latin American nations and the United States from the nineteenth century to the present day. It focuses on the political, economic, diplomatic, strategic, and cultural aspects of this important relationship. Prerequisite: One year of college-level history or consent of instructor.

HIST 4580 The Family in U.S. History (3 units)

Changing U.S. family structures, dynamics, and experiences, colonial period to present. Reference to wider developments in U.S. History and to considerations of race, class, and ethnicity. Prerequisite: One year of college-level history or consent of instructor.

HIST 4600 United States Diplomatic History (3 units)

(Formerly American Diplomatic History) U.S. foreign relations from the colonial period to the present. Prerequisite: One year of college-level history or consent of instructor.

HIST 4620 Gender in United States History (3 units)

(Formerly HIST 3680) (Same as GEND 4620) American history with reference to female experiences, value systems, and ethnic diversity from the Colonial period to the present. Includes discussion of various theoretical approaches. Prerequisite: One year of college-level history or consent of instructor.

HIST 4630 United States Legal History (3 units)

(Formerly American Legal History) A study of the chronological development of American law and legal culture from colonial times to the present through a synthesis of historical context with specific cases, doctrines and questions. Prerequisite: One year of college-level history or consent of instructor.

HIST 4650 History of the American West (3 units)

The development and impact of the American West on the life of the nation and the interactions of ethnic groups that inhabit the West. Emphasis on the period 1803 to the present. Prerequisite: One year of college-level history or consent of the instructor.

HIST 4660 United States Religious History (3 units)

(Formerly American Religious History) American religious institutions and thought from colonial origins to present; importance of European backgrounds and American environment in producing a unique American religious tradition; impact upon social and cultural development. Prerequisite: One year of college-level history or consent of instructor.

HIST 4670 California History (3 units)

Indian culture; Spanish exploration and settlement; Mexican control; American dominance; environment; political, economic, and social factors which give California its unique character. Prerequisite: One year of college-level history or consent of instructor. (Fall, Spring)

HIST 4680 Intellectual Life in the United States (3 units)

(Formerly The American Mind) Impact of European experience and American environment; impact on the cultural milieu of industrialism, urbanism, and U.S. world involvement. Prerequisite: One year of college-level history or consent of instructor.

HIST 4690 United States Sport Since the Civil War (3 units)

(Formerly Sport in America Since the Civil War) An analysis of the development of sport and its impact in American society from the late nineteenth century to the present. The lectures will follow a chronological order and class members will examine such topics as industrialization, nationalism, social mobility, gender, ethnicity, and behaviorism with respect to America's sport heritage. Prerequisite: One year of college-level history or consent of instructor.

HIST 4710 Mexican American History (3 units)

(Formerly HIST 3710) The role of the Mexican American in the nineteenth and twentieth centuries with emphasis on the modern period. Prerequisite: One year of college-level history or consent of instructor.

HIST 4720 Modern Atlantic Slavery (3 units)

Explores in comparative historical context the origin, development, and collapse of slavery in Africa and the Americas. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry) Prerequisite: One year of college-level history or consent of instructor.

HIST 4730 Disease and World Societies (3 units)

A survey of the impact of epidemics in world societies from the ancient world to AIDS, with a focus on the response to disease across both time and culture.

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.

HIST 4800 Modern China (3 units)

Analysis of the main trends of nineteenth and twentieth century imperialism in China and the consequent rise of Chinese anti-imperialism; main features of China's socio-economic system and the gradual development of reform movements culminating under the People's Republic. Prerequisite: One year of college-level history or consent of instructor.

HIST 4820 Imperial China (3 units)

Analysis of development of Chinese political structure, socio-economic system, and cultural pattern from the earliest dynasties through the mid-19th century. Prerequisite: One year of college-level history or consent of instructor.

HIST 4840 Modern Japan (3 units)

Development of Japan from a feudal society of the early nineteenth century to a major world power in the present day. Emphasis will be on the conflicting themes of authoritarianism and liberalism. Prerequisite: One year of college-level history or consent of instructor.

HIST 4850 China and the United States (3 units)

A comprehensive survey of the economic, political, and cultural relations between China and the United States from the eighteenth century to the present. Prerequisite: One year of college-level history or consent of instructor.

HIST 4860 Novels on African Societies (4 units)

A historical explanation through African novels of social change in Africa. Although class lecture and discussion will focus on the novels of Chinua Achebe, students will be allowed to select novels of their choice. Prerequisite: One year of college-level history or consent of instructor.

HIST 4950 Selected Topics in History (1-5 units)

(Topics to be specified in Class Schedule) Innovative course of study. Different topics may be taken for credit. Prerequisite: One year of college-level history or consent of instructor.

HIST 4960 Senior Seminar (WP) (4 units)

(Formerly Directed Reading Seminar in History) Methodology of history analyzed through critical study of published works or through creation of individual research project. Satisfies upper division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; pass Library Resources course; history major with senior status or consent of instructor. (Fall, Spring)

HIST 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. Cannot count toward M.A. (Fall, Winter, Spring)

Department of Philosophy and Modern Languages

James A. Tuedio, Ph.D., *Chair*

Office: Vasché Library — L185
Phone: (209) 667-3686

Philosophy

Professors: Broin, Tuedio, Young
Associate Professors: Vallega-Neu, Winfree
Assistant Professor: Vallega
Lecturers: Hutchinson, Nagel

Bachelor of Arts in Philosophy**Minor in Philosophy****Liberal Studies degree concentration in Applied Philosophy**

The Philosophy curriculum stresses development of critical reasoning skills at all stages of coursework. The Philosophy program cultivates the skills required to engage in a careful reading and analysis of original philosophical texts, and emphasizes the study of writings that have historical significance (drawing from the early Greek and modern European traditions).

The Philosophy curriculum focuses considerable attention on recent developments in Continental Philosophy (including phenomenology, hermeneutics, and post-modern approaches to philosophical genealogy and deconstruction).

Through a discussion of the guiding ideas in these texts, students gain historical perspective on the evolution of our cultural traditions. They also gain critical perspective on the operative assumptions that ground their sense of cultural and personal identity in a rapidly changing world.

The central issues raised in these courses concern the relation of moral judgment to evaluation, subjective perspective to the desire for objective understanding, language-games to discourses of power (including critical perspectives on metaphysical discourses), and critical approaches to the study and assessment of art and literature.

Many of the Philosophy courses focus on the challenges and opportunities facing a multicultural society, including issues relating to self-development, cultural diversity, and the need to agree on shared principles as a basis for preserving or enhancing a sense of community. Philosophy also discusses the contingencies underwriting the judgments that give privilege to some values over others, and that serve to legitimize some voices at the expense of others.

Philosophy courses promote careful discussion of the relevance of intellectual ideas and positions. Philosophy stresses the practice of sound reasoning techniques as a basis for discerning and defending philosophical principles. Philosophy also emphasizes reflective analysis of implications that follow from principled commitments.

Studies in Philosophy offer excellent preparation for advanced studies in Philosophy, Law, Literary Criticism, Counseling Practices, and Rhetoric Studies.

Bachelor of Arts in Philosophy**Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (9 units):
PHIL 2100 Logic, 3 units
PHIL 2200 Ancient Philosophy, 3 units
PHIL 2230 Modern Philosophy, 3 units
3. Complete the major of at least 30 upper-division units.

The Major (30 units)

1. Complete the following required courses (21 units):
PHIL 3000 Philosophical Reading and Analysis, 3 units
PHIL 3100 Introduction to Continental Philosophy, 3 units
PHIL 3300 Theory of Knowledge, 3 units
PHIL 3400 Ethics (WP), 3 units
PHIL 3500 Philosophy of Mind (WP), 3 units
PHIL 4200 Advanced Studies in the History of Philosophy (WP), 3 units (1st section)
PHIL 4200 Advanced Studies in the History of Philosophy (WP), 3 units (2nd section)
2. Complete one "Value Inquiry" course from the following list (3 units):
PHIL 4050 Environmental Ethics, 3 units
PHIL 4450 Eastern Philosophy: Concepts, Methods, and Context, 3 units
PHIL 4500 Philosophy of Art (WP), 3 units
PHIL 4600 Philosophy and Feminism, 3 units
PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units
3. Complete two "Contemporary Issues" courses from the following list (6 units):
PHIL 4150 Cognitive Phenomenology, 3 units
PHIL 4260 Twentieth Century Philosophy, 3 units
PHIL 4300 Philosophy of Language, 3 units
PHIL 4960 Senior Seminar, 3 units

4. Senior Paper Requirement: In addition to completing course requirements for the BA degree, each student must submit a capstone paper that conforms to established department criteria. Guidelines and criteria are available from the department chair.
5. Honors in the Major (+3 units):
PHIL 4990 Senior Thesis, 3 units
(Senior Thesis satisfies Senior Paper requirement)

Minor in Philosophy

The philosophy minor is ideal for students majoring in other fields who desire concentrated study in areas of philosophical thinking relevant to their personal or professional development.

Requirements (18 units minimum)

Complete a minimum of 18 units of philosophy coursework chosen in consultation with a department adviser. Of these 18 units, at least 12 units must represent upper-division coursework. Students are encouraged to tailor their philosophy minor to emphasize philosophical issues and methods relevant to their field of interest or professional goals.

Liberal Studies Concentration in Applied Philosophy

Please refer to the Liberal Studies section of the catalog.

Learning Objectives

Students of Philosophy will:

- Develop knowledge of important figures, fields, and problems in the history of philosophy.
- Recognize significant developments and emerging trends in contemporary philosophy.
- Develop a capacity for self-conscious reflection on philosophical inquiry itself, including its methods, and its role in human life, culture and society.
- Cultivate skills in formulating questions, reading philosophical texts, constructing and evaluating philosophical arguments, and discussing philosophical ideas.
- Develop an understanding of significant philosophers, philosophical problems, and methods of philosophical inquiry.
- Develop the ability to comprehend philosophical works, to critically appraise philosophical (and other) arguments, and to develop compelling interpretations and positions when dealing with philosophical and intellectual problems.
- Develop the skills of critical and expository writing, including interpretive analysis of primary texts in their historical context.

Course Descriptions

Lower Division

PHIL 1010 Introduction to Philosophy (3 units)

Introduction to philosophical method by examining traditional and contemporary philosophical problems. Close textual analysis, with an emphasis on expository argumentative writing assignments. Satisfies G.E. area C2. (CAN PHIL 2) (Fall, Spring)

PHIL 2000 Philosophical Inquiry (3 units)

(Formerly MDIS 1020) Introduction to the practice of philosophical inquiry, emphasizing critical reasoning skills and argumentative writing. Basic instruction in the composition of defensible arguments with an emphasis on philosophical composition and analysis. Satisfies G.E. area A3. Prerequisite: Completion of A1 and A2 G.E. requirements. (Fall, Spring)

PHIL 2005 Honors Critical Thinking (3 units)

Introduction to the practice of philosophical inquiry, emphasizing critical reasoning skills and argumentative writing. Basic instruction in the composition of defensible arguments with an emphasis on philosophical composition and analysis. Satisfies G.E. area A3. Prerequisite: Open only to students in the University Honors Program.

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)

PHIL 2200 Ancient Philosophy (3 units)

A study of the main themes and issues in the history of early Western philosophy from the pre-Socratics to the end of the Hellenistic era, emphasizing the writings of Plato and Aristotle on the Good Life. Satisfies G.E. area C2. (CAN PHIL 8)

PHIL 2230 Modern Philosophy (3 units)

A study of the main themes and issues in the history of 17th and 18th century European philosophy. Special attention will be paid to the close relationship between the development of philosophical ideas during this period and the rise of modern science. Emphasis will be placed on the writings of Descartes, Hume, and Kant. Satisfies G.E. area C2. (CAN PHIL 10)

PHIL 2300 Philosophy of Science (3 units)

Exploration of basic questions related to theory and practice in the natural sciences. Investigations will focus on scientific methodology (hypothesis formation/evidence gathering/theory formation), differing accounts of the scientific enterprise, and pivotal theories changing how we conceive our place in the world (Big Bang/Evolution/Chaos). Satisfies G.E. area C2.

PHIL 2400 Contemporary Moral Issues (3 units)

Introduction to major philosophical standpoints in ethics, emphasizing the moral philosophies of Aristotle, Kant, and Mill. Applications and evaluation of these standpoints in the context of contemporary moral issues. Emphasis on critical analysis of personal as well as social issues. Satisfies G.E. area C2. (CAN PHIL 4)

PHIL 2500 Philosophy and Film (3 units)

An introduction to the study of philosophical ideas through the mediums of film and text. Readings will emphasize analysis of existential themes and discussion of the aesthetics of film appreciation. Attention also will be paid to the methods and subject matter of philosophy as these relate to film theory and criticism. Satisfies G.E. area C2.

PHIL 2700 Introduction to Political Philosophy (3 units)

Introduction to the basic concepts and problems of political philosophy, including the nature of justice; relation of the individual to the state; the basis of individual rights; the relation of the individual to the community; the concepts of emancipation and enlightenment; and the theory of the social contract. Satisfies G.E. area C2.

Upper Division**PHIL 3000 Philosophical Reading and Analysis (3 units)**

Introduction to the art of philosophical reading. Special attention to deciphering the structure of philosophical writing, as reflected in different philosophical styles and arguments. Emphasis on learning how to perform a philosophical reading of a philosophy text. Course readings will address a common theme. (Winter)

PHIL 3010 Classics of Western Philosophy (3 units)

Introduction to the history, methods, and problems of philosophy for upper-division students. A student wishing to begin a minor or concentration in philosophy at the upper-division level may substitute this course for lower-division coursework in philosophy. Satisfies G.E. area F2. (Fall, Spring)

PHIL 3050 Existentialism (3 units)

Inquiry into the central ideas and problems of existential thought including freedom, anxiety, guilt, death, selfhood, ethical obligation, authenticity, the absurd, the nature of existence, the relation of existence and essence, the relation of self and other, the uncanny, technology, humanism, and nihilism. Readings from primary sources such as Dostoevsky, Kierkegaard, Nietzsche, Kafka, Heidegger, Sartre, Merleau-Ponty, Tillich, and Camus. Satisfies G.E. area F2.

PHIL 3100 Introduction to Continental Philosophy (3 units)

Introduction to the development of continental philosophy in the 19th and early 20th centuries, with attention to the main thinkers, their issues, and the focus of their achievements. Provides a context for understanding the point of philosophical developments in the groundbreaking works of continental philosophers. Emphasis on the ideational architecture of the movement.

PHIL 3300 Theory of Knowledge (3 units)

Analysis of the concepts of knowledge, truth, belief, evidence, certainty; readings in classical and contemporary theories. Emphasis on problems relating to skepticism and the quest for certainty. Prerequisites: 3 units in philosophy and sophomore standing.

PHIL 3400 Ethics (WP) (3 units)

Analysis of philosophical theories concerning the concepts of right and wrong, good and bad, utility and duty, freedom, obligation, and responsibility. Readings will be drawn from classical and contemporary sources. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, 3 units in philosophy, and sophomore standing.

PHIL 3500 Philosophy of Mind (WP) (3 units)

A study of historical and contemporary reflections on the nature of mental experience, structures of mental processing, and the “mind-body” problem. Course will focus on issues of central importance to contemporary philosophers working in phenomenology and cognitive science. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, 3 units in philosophy (preferably PHIL 2230), and sophomore standing.

PHIL 3700 Concepts of Race and Identity in Philosophical Perspective (3 units)

Reflections on how “race” is constructed, how these constructions determine our personal, social, and political identity, and how “race” identity can be transcended through a return to our origin in diversity. Introduction to race and postcolonial studies as a basis for investigating tensions between bilingualism and the “mother tongue” and for preserving communities of interactive diversity in an elementary school classroom. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry)

PHIL 3750 Concepts of Home in Philosophical Perspective (3 units)

Philosophical exploration of concepts of home in philosophy, literature, and social-political thought. Reflections on how our sense of home is embedded in larger historical and social-cultural structures and how constructions of home space affect our larger sense of belonging. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry)

PHIL 3850 Information and Community (3 units)

How does our media culture influence our perceptions of education? Reflections on how “media frames” influence our understanding of teaching and learning, including our sense of the potential benefits of social investment in public schools, and our perceptions of ourselves as teachers. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry)

PHIL 4000 Philosophy through Literature (3 units)

Examination of philosophical issues and themes that emerge in literature. Philosophical analysis will focus on such topics as ethical constructions and justice; selfhood and personal identity; memory and forgetting; desire and knowledge; the work of imagination; sexuality and embodiment; Eros and death; meaning and existence; the relation of truth and fiction; freedom, fatalism, and determinism; and the relations between self, world, language, and politics. Satisfies G.E. area F2.

PHIL 4050 Environmental Ethics (3 units)

Introduction to theoretical and practical developments in the field of environmental ethics. Reflection on the role of world views, economic, aesthetic, scientific, and political factors in decisions affecting the environment. May include a service learning component. Satisfies G.E. area F2. One of two paired courses in the G.E. Summit Program (Waking up to Nature: Ethics, Ecology, and Restoration Practices). Prerequisite: Consent of Summit Program Coordinator.

PHIL 4150 Cognitive Phenomenology (3 units)

Introduction to phenomenological method as an approach to the study of the mind's relation to its environment. Readings will stress Husserl's theory of intentionality, Merleau-Ponty's phenomenology of perception, and related developments in phenomenological psychology, with a view to understanding the relationship between subjectivity and information processing. Prerequisite: PHIL 3300 or 3500.

PHIL 4200 Advanced Studies in the History of Philosophy (WP) (3 units)

Intensive study of two or three major works by a major thinker in the history of Western philosophy (including evaluation of secondary source material). Texts will be chosen on the merit of the enduring character of their treatment of classic philosophical issues. May be repeated for credit, provided the focus and readings do not overlap previous course content. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, PHIL 2000 or equivalent, and two additional philosophy courses.

PHIL 4260 Twentieth Century Philosophy (3 units)

Intensive study of themes and issues in epistemology, philosophy of mind, and/or philosophy of language from the standpoints of the Pragmatist, Phenomenological, and Analytic traditions in 20th century philosophy. Prerequisites: Two upper-division philosophy courses.

PHIL 4300 Philosophy of Language (3 units)

Intensive study of recent theories of meaning and of the relationship between thought and language. Course themes will include meaning and reference, language games, speech acts, and language as the communication of thoughts, feelings, and information. Discussions also will focus on the application of language theory to problems in the artificial intelligence movement. Prerequisite: PHIL 3000, 3100, 3300, or 3500.

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 two paired courses in the G.E. Summit Program (Humans in the Information Age). Prerequisite: Consent of Summit Program Coordinator.

PHIL 4401 Professional Ethics (3 units)

Intensive study of moral issues and conflicts that arise when one attempts to reconcile the priorities of professional responsibilities and the world of business with those of an ethical frame of mind. Emphasis on issues surrounding the concepts of duty, rights, autonomy, justice, and regulation of business, together with extended reflections on the relationship between moral responsibility and the professions (drawing from specific fields such as engineering, medicine, and law). Satisfies G.E. area F2. (Fall, Spring)

PHIL 4420 Philosophy and Education (3 units)

Exploration of important themes in philosophy and education. Emphasis on the transmission and reception of information in contexts that engage the student as a whole person. Critical analysis of the concept of knowledge cultivation as a transformative practice through which teachers engage their special responsibility for the cultivation of the individual as an active learner. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry)

PHIL 4430 Bioethics (3 units)

Basic themes and issues in biomedical ethics (e.g., right to care, informed consent, euthanasia, assisted suicide, abortion, confidentiality, resource allocation), with emphasis on ethical issues raised by new biotechnologies (e.g., stem cell research, cloning, bioengineering, organ farming, human/animal biotech, and gene mapping). Satisfies G.E. area F2.

PHIL 4450 Eastern Philosophy: Concepts, Methods, and Context (3 units)

(Formerly Philosophy of Religion) Careful study of East Asian philosophies. In-depth analysis of concepts and methods, with special attention to social context and cultural tradition. Satisfies G.E. areas F2 and G. Prerequisites: Three units of philosophy and sophomore standing.

PHIL 4500 Philosophy of Art (WP) (3 units)

(Formerly Aesthetics) Philosophical examination of artistic activity including defining art, understanding its function, and analyzing creative expression, aesthetic experience, interpretation, evaluation, and representation. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score, one upper-division philosophy course or consent of instructor.

PHIL 4600 Philosophy and Feminism (3 units)

(Same as GEND 4600) Philosophical examination of the experience and status of women, the construction of gender, and the intersections between feminism, race, class, age, and sexual orientation.

PHIL 4700 Contemporary Latin American Political Philosophy (3 units)

Explores contemporary Latin American writings on such themes as: colonialism, including neocolonialism and internal colonialism; cultural identity as an issue for Latinos, mestizos, and indigenous peoples; social justice and Catholicism; the relation between Marxist movements and struggles for national sovereignty; the relation between Latin America and the First World; the utopian vision and Guevara's concept of the "new man."

PHIL 4800 Nature Revisited:**Environmental Issues in Philosophical Perspective (3 units)**

Analysis of historically lodged perspectives on nature, wilderness, and environmental management in light of contested issues concerning restoration, conservation, preservation, and wise use practices. Application of abstract analysis to concrete regional issues. For prospective teachers interested in broadening the capacity of students to respect and value their place in nature. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry) (Capstone seminar in Permaculture minor.)

PHIL 4960 Senior Seminar (3 units)

Reading and class discussion leading to the writing, oral presentation, and defense of a philosophical essay by each student. May be repeated once. Prerequisites: Three upper-division philosophy courses and consent of adviser required. (Spring)

PHIL 4980 Individual Study (1-3 units)

For undergraduate students prepared for independent study to supplement regular course offerings. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

PHIL 4990 Senior Thesis (1-3 units)

Research and critical analysis of a major philosophical theme or issue, emphasizing primary and relevant secondary readings. It is expected that the thesis will include analysis and critique of at least one contemporary philosophical work together with an evaluation of critical responses. Prerequisites: Senior standing, advanced coursework in philosophy, and consent of advisor.

Modern Languages

Professor: López-Contreras

Associate Professor: Andrés, Bargetto-Andrés

Assistant Professor: Murrieta-Saldivar

Bachelor of Arts in Spanish**Bachelor of Arts in Spanish with a Minor in Business Administration****Minor in French****Minor in Portuguese****Minor in Spanish****Liberal Studies degree concentration in Spanish**

Majors and/or minors in Modern Languages are designed to assist students as they plan careers. Some students anticipate teaching at the elementary or secondary level, while others are training to meet the challenges of advanced studies in language and literature. A growing number will discover that foreign language ability and sensitivity to other cultures are important assets, especially in career choices such as social sciences, the foreign service, international finance and banking, and international business.

As today's students gain knowledge and understanding of other languages and cultures, they inevitably develop greater appreciation of their own. In the process, they find themselves better equipped to succeed in our modern society where multilingual and multinational interests are becoming swiftly and inexorably part of our daily lives.

Critical Foreign Languages Program

The Critical Foreign Languages program offers instruction in languages which students have requested for professional or scholarly reasons but for which there is insufficient demand to justify a regular teaching staff. The format used in this program differs from that of traditional language classes. Here, students are responsible for their own learning, working ten hours each week with a textbook and accompanying audio tapes.

In addition, they meet in regularly scheduled tutorial sessions three hours per week for intensive oral drill with an educated native speaker of the language who is trained in this format and supervised by Modern Languages faculty. An outside examiner, who teaches the language at an accredited institution, determines the scope of the course, paces the work, examines students at the end of each semester, and assigns grades. These courses are listed under the prefix FLAN (Foreign Language).

Program goals

- To assist students in perfecting their foreign language skills (all courses are taught in the target language)
- To deepen their knowledge of language and the humanities by introducing them to representative authors and ideas, and
- To acquaint them with the culture and traditions of the people whose languages they have chosen to study.

Learning Objectives

In substance, the Department of Modern Languages provides its students the opportunity to achieve, at the very least, the following:

- Proficiency in listening and reading (receptive skills) at an "Advanced" level (3) commensurate with the Foreign Service Institute (FSI) Proficiency Guidelines.
- Proficiency in speaking and writing (productive skills) at an "Intermediate" level (2+) commensurate with the FSI Proficiency Guidelines.
- An understanding of the linguistic components of the target language (i.e., language analysis.)
- Fundamental knowledge pertaining to the cultural institutions, patterns of behavior, history and geography of the target culture(s) and how these affect values and traditions.
- The ability to adapt both linguistically and culturally to different settings associated with the target language.
- Demonstrate respect, understanding and sensitivity for the cultural traits, values, perspectives and contributions of the language's native speakers.
- The ability to understand and critically interpret a variety of works of literature in their specific cultural and historic context.
- A general knowledge of the nature of language in general, its acquisition, and its use in human interaction.

Course Descriptions

FLAN 1010 Elementary Japanese I (4 units)

Intensive introduction to Japanese. In this first semester, students do rigorous work in comprehension, speaking, and basic grammatical structures. This is not a “conversational Japanese” course. Satisfies G.E. area C3. (Fall)

FLAN 1020 Elementary Japanese II (4 units)

Continuation of FLAN 1010. Students continue intensive oral and grammatical work. Introduction to the Japanese writing system. Satisfies G.E. area C3. Prerequisite: FLAN 1010 or equivalent. (Spring)

FLAN 1030 Elementary Russian I (4 units)

First-year Russian, oral proficiency approach; understanding, speaking, reading, and writing; introduction to Russian culture. Satisfies G.E. area C3. (Fall)

FLAN 1040 Elementary Russian II (4 units)

Continuation of FLAN 1030. Satisfies G.E. area C3. Prerequisite: FLAN 1030 or equivalent, or consent of instructor. (Spring)

FLAN 1050 Elementary Chinese I (4 units)

Intensive introduction to Chinese. In this first semester, students do rigorous work in comprehension, speaking, and basic grammatical structures. This is not a “conversational Chinese” course. Satisfies G.E. area C3. (Fall)

FLAN 1060 Elementary Chinese II (4 units)

Continuation of FLAN 1050. Students continue intensive oral and grammatical work. Introduction to the Chinese writing system. Satisfies G.E. area C3. Prerequisite: FLAN 1050 or equivalent. (Spring)

FLAN 1065 Elementary Arabic I (4 units)

Beginning Modern Standard Arabic to develop functional abilities in the four language skills, with a focus on oral proficiency. Satisfies G.E. area C3.

FLAN 1066 Elementary Arabic II (4 units)

Second semester beginning Modern Standard Arabic to develop functional abilities in the four language skills, with a focus on oral proficiency. Satisfies G.E. area C3. Prerequisite: FLAN 1065 or equivalent.

FLAN 1070 Elementary Cambodian I (4 units)

Intensive introduction to spoken Cambodian (Khmer). Includes an introduction to Cambodian culture. Satisfies G.E. area C3. (Fall)

FLAN 1080 Elementary Cambodian II (4 units)

Continuation of FLAN 1070. Satisfies G.E. area C3. Prerequisite: FLAN 1070 or equivalent. (Spring)

FLAN 1092 Elementary Hmong I (4 units)

Beginning Hmong; development of listening comprehension and speaking skills for oral proficiency. Introduction to Hmong culture. Satisfies G.E. area C3.

FLAN 1093 Elementary Hmong II (4 units)

Continuation of FLAN 1092. Development of listening comprehension and speaking skills for oral proficiency. Introduction to Hmong culture. Satisfies G.E. area C3. Prerequisite: FLAN 1092 or equivalent.

FLAN 2010 Intermediate Japanese I (3 units)

Second-year Japanese, emphasizing oral proficiency. Understanding, speaking, reading, and writing Japanese. Satisfies G.E. area C3. Prerequisite: FLAN 1020 or equivalent. (Fall)

FLAN 2013 Written Lao for Lao Speakers I (3 units)

(Formerly FLAN 1082) Introduces native speakers of Lao to that language’s traditional written system. Students will write Lao for personal needs, read simple texts, and develop greater vocabulary and structural control of the language. Satisfies G.E. area C3. Prerequisite: Fluent conversational command of the Lao language.

FLAN 2014 Written Lao for Lao Speakers II (3 units)

Continuation of Written Lao I. Native and other advanced speakers will develop greater vocabulary and structural control of the written language through readings and written composition about related topics. Satisfies G.E. area C3. Prerequisite: FLAN 2013 or consent of instructor.

FLAN 2020 Intermediate Japanese II (3 units)

Continuation of FLAN 2010. Satisfies G.E. area C3. Prerequisite: FLAN 2010 or equivalent. (Spring)

FLAN 2030 Intermediate Russian I (3 units)

Second-year Russian, emphasizing oral proficiency. Understanding, speaking, reading, and writing Russian. Satisfies G.E. area C3. Prerequisite: FLAN 1040 or equivalent. (Fall)

FLAN 2040 Intermediate Russian II (3 units)

Continuation of FLAN 2030. Satisfies G.E. area C3. Prerequisite: FLAN 2030 or equivalent. (Spring)

FLAN 2050 Intermediate Chinese I (3 units)

Second-year Chinese, emphasizing oral proficiency. Understanding, speaking, reading, and writing Chinese. Satisfies G.E. area C3. Prerequisite: FLAN 1060 or equivalent. (Fall)

FLAN 2060 Intermediate Chinese II (3 units)

Continuation of FLAN 2050. Satisfies G.E. area C3. Prerequisite: FLAN 2050 or equivalent. (Spring)

FLAN 2065 Intermediate Arabic I (3 units)

Second year modern standard Arabic to develop functional abilities in the four language skills, with a focus on oral proficiency. Satisfies G.E. area C3. Prerequisite: FLAN 1066 or equivalent.

FLAN 2066 Intermediate Arabic II (3 units)

Second year Modern Standard Arabic to develop functional abilities in the four language skills with a focus on oral proficiency. Satisfies G.E. area C3. Prerequisite: FLAN 2065 or equivalent or consent of instructor.

FLAN 2075 Written Cambodian for Cambodian (Khmer) Speakers I (3 units)

(Formerly FLAN 1075) Introduces native speakers of Khmer to that language's traditional written system. Students will write Khmer for personal needs (letters), read simple texts, and develop greater vocabulary and structural control of the language. Satisfies G.E. area C3. Prerequisite: Fluent conversational command of Cambodian language. (Fall)

FLAN 2076 Written Cambodian for Cambodian (Khmer) Speakers II (3 units)

(Formerly FLAN 1076) Continuation of Written Cambodian for Cambodian (Khmer) Speakers I. Native and other advanced speakers will develop greater vocabulary and structural control of the written language through readings and written compositions about related topics. Satisfies G.E. area C3. Prerequisite: FLAN 2075 or consent of instructor.

FLAN 2950 Selected Topics in FLAN (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in critical foreign languages. Topics will vary. Different topics may be taken for credit. Prerequisite: Consent of instructor.

FLAN 4950 Selected Topics in FLAN (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected topic in critical foreign languages. Topics will vary. Different topics may be taken for credit. Prerequisite: Consent of instructor.

FLAN 4980 Individual Study (1-4 units)

For advanced undergraduate students prepared for independent work and in need of advanced and specialized study in critical foreign languages. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Minor in French**Requirements (26 units)**

1. Complete the following lower-division courses (14 units):
 - FREN 1010, 1020 Elementary French I, II, 8 units
 - FREN 2010, 2020 Intermediate French I, II, 6 units
2. Complete upper-division course work as follows (12 units):
 - a. FREN 3010, 3020 Advanced French Grammar and Composition I, II, 6 units
 - b. One course from the following sequence (3 units):
 - FREN 3300 Aspects of French Non-Fiction, 3 units
 - FREN 3310 Aspects of French Drama, 3 units
 - FREN 3320 Aspects of French Poetry, 3 units
 - FREN 3330 Aspects of the French Novel, 3 units
 - FREN 3340 Aspects du Conte Français, 3 units
 - c. Upper-division elective courses to total 3 units

Note: Of the 26 unit total, at least 12 units must be in upper-division courses, with a minimum of 14 college-level units.

International Path to the French Major

The CSU International Program has two study locations in France: Aix-en-Provence and Paris. Students enroll in the Institut d'Etudes Francaises pour Etudiants Etrangers of L'Academie d'Aix-en-Provence or at one of the participating campuses of the University of Paris. Students enroll simultaneously at CSU Stanislaus, where they earn academic credit and maintain campus residency. Beginning French language students attend the program in Aix, while more advanced students may study in either Paris or Aix. A preparatory language program precedes both programs. All campus financial aid is applicable to this program.

Eligibility**Aix-en-Provence:**

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Completion of 30 semester units
- Cumulative GPA of 2.75
- Completion of at least one semester of college-level French

Paris:

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Upper division or classified graduate standing
- Cumulative GPA 2.75
- Completion of at least two years of college-level French
- Additional work in French at the upper division level is highly desirable

French Course Descriptions

Lower Division

FREN 1010 Elementary French I (4 units)

First-year French, oral proficiency approach: understanding, speaking, reading, and writing; introduction to French culture. Satisfies G.E. area C3. (CAN FREN 2) (Fall)

FREN 1020 Elementary French II (4 units)

Continuation of FREN 1010. Satisfies G.E. area C3. Prerequisite: FREN 1010 or equivalent, or consent of instructor. (CAN FREN 4) (Spring)

FREN 2010 Intermediate French I (3 units)

Second-year French, emphasizing oral proficiency approach. Extensive review of the morphology and syntax of the language. Consideration of French culture. Satisfies G.E. area C3. Prerequisite: FREN 1020 or equivalent, or consent of instructor. (CAN FREN 8) (Fall)

FREN 2020 Intermediate French II (3 units)

Continuation of FREN 2010. Satisfies G.E. area C3. Prerequisite: FREN 2010 or equivalent, or consent of instructor. (CAN FREN 10) (Spring)

Upper Division

FREN 3010 Advanced French Grammar and Composition I (3 units)

Oral and written practice in French, syntactic analysis, written and oral composition, and supplementary reading. Conducted in French. Prerequisite: FREN 2020 or equivalent, or consent of instructor. (Fall)

FREN 3020 Advanced French Grammar and Composition II (3 units)

Continuation of FREN 3010. Prerequisite: FREN 3010 or equivalent, or consent of instructor. (Spring)

FREN 3200 Culture et Civilisation Françaises (3 units)

An introduction to the development of French civilization from its beginning to the present, with emphasis on contemporary France, as seen through literature, art, music. Conducted in French. Prerequisite: FREN 2020 or equivalent.

FREN 3300 Aspects of French Non-Fiction (3 units)

Development and evolution of French nonfiction, particularly essays, from Montaigne to the present. Conducted in French. Prerequisite: FREN 2020 or equivalent, or consent of instructor.

FREN 3310 Aspects of French Drama (3 units)

Selected French dramatic works, from the Middle Ages to the present. Conducted in French. Prerequisite: FREN 2020 or equivalent, or consent of instructor.

FREN 3320 Aspects of French Poetry (3 units)

Development and evolution of French poetic forms, from the Middle Ages to the present. Conducted in French. Prerequisite: FREN 2020 or equivalent, or consent of instructor.

FREN 3330 Aspects of the French Novel (3 units)

Development and evolution of the French novel, from its beginnings to the present. Conducted in French. Prerequisite: FREN 2020 or equivalent, or consent of instructor.

FREN 3340 Aspects du Conte Français (3 units)

A detailed study of the short story genre in French literature, from the earliest examples (the fabliaux) to the present (Vercors, Camus, Sartre). The bulk of the course will deal with the great 19th-century conteurs: Flaubert, Daudet and Maupassant. Conducted in French. Prerequisite: FREN 2020 or consent of instructor.

FREN 3500 French Phonetics (3 units)

A detailed study of modern French phonology and its representation in the International Phonetic Alphabet, including work on dialectal differences as well as analysis of contrasts with English. Prerequisite: FREN 2020 or equivalent, or consent of instructor.

FREN 3510 French Conversation (1 unit)

Designed for advanced students. Class work will include discussions of current (cultural) events and/or other topics of common interest. Course may be repeated once for credit. Prerequisite: FREN 2020 or equivalent, or consent of instructor. (Laboratory, 2 hours)

FREN 3930 French Literature in Translation (3 units)

(Same as ENGL 3930) Studies in various aspects of French literature in English translation. Course content may vary from term to term. Satisfies G.E. area F2.

FREN 4950 Selected Topics in French

(Topics to be specified in Class Schedule) (1-5 units) Development of a selected topic in French. Topics will vary. Different topics may be taken for credit. Prerequisite: Consent of instructor.

FREN 4980 Individual Study (1-4 units)

For advanced undergraduate students prepared for independent work and in need of advanced and specialized study in French. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Hmong Course Descriptions

HMNG 2011 Hmong for Hmong Speakers

Speakers of Hmong will learn to read and write Hmong, and to speak Hmong in the correct tone. Satisfies G.E. area C3. Prerequisite: Fluency in Hmong.

HMONG 2012 Hmong for Hmong Speakers II

Continuation of HMNG 2011. Speakers of Hmong will develop reading and writing skills in Hmong. Satisfies G.E. area C3. Prerequisite: HMNG 2011 or consent of instructor.

HMNG 3010 Advanced Hmong Grammar and Composition I (3 units)

Oral and written practice of the language through class discussion of selected works, topics, or supplementary readings, and written compositions about related topics. Prerequisite: HMNG 2012 or consent of instructor.

HMNG 3020 Advanced Hmong Grammar and Composition (3 units)

Continuation of HMNG 3010 including practice with the finer points of grammar, syntax, and written translation. Prerequisite: HMNG 3010 or equivalent or consent of instructor.

Italian Course Description

ITAL 1010 Elementary Italian I (3 units)

Emphasis on speaking and listening, with attention to reading and writing. Highlights cultural nuances of contemporary living, together with architecture, art, music, and history from different Italian regions. No prerequisites.

Minor in Portuguese

Requirements (26 units):

1. Complete the following lower-division courses (14 units):
 PORT 1010, 1020 Elementary Portuguese I, II, 8 units
 PORT 2010, 2020 Elementary Portuguese I, II, 6 units
2. Complete the following upper-division courses (12 units):
 - a. PORT 3010 Advanced Portuguese I, 3 units
 PORT 3020 Advanced Portuguese II, 3 units
 - b. Two courses from the following sequence (6 units):
 PORT 3200 Portuguese Culture(s), 3 units
 PORT 3301 Survey of Portuguese Literature, 3 units
 PORT 3302 Survey of Brazilian Literature, 3 units
 PORT 3303 Aspects of Portuguese Poetry, 3 units
 PORT 3420 Literature and Civilization in the Age of Discovery, 3 units

PORT 3430 Literature of the 19th and 20th Centuries, 3 units

PORT 3440 Modern Portuguese Fiction, 3 units

Note: Of the 26-unit total, at least 12 units must be in upper-division courses, with a minimum of 14 college-level units. A student who can demonstrate equivalent preparation may be exempt from 4 to 14 units of the lower-division requirement. Two years of college-level Portuguese or the equivalent is required for admission to upper-division courses.

Course Descriptions

Lower Division

PORT 1010 Elementary Portuguese I (4 units)

(Formerly FLAN 1016). First year Portuguese. Development of listening comprehension, speaking, reading, and writing skills to bring about oral proficiency. Introduction to the Portuguese culture. Satisfies G.E. area C3.

PORT 1015 Intensive Portuguese Language Teaching for CLAD (Crosscultural, Language, and Academic Development) (3-6 units)

Elementary Portuguese course designed to meet the foreign language requirements of CLAD students. Introduces students to the language and culture by developing listening comprehension, speaking, reading, and writing skills.

PORT 1020 Elementary Portuguese II (4 units)

(Formerly FLAN 1026). First year Portuguese. Continuation of PORT 1010. Satisfies G.E. area C3. Prerequisite: PORT 1010 or consent of instructor.

PORT 2010 Intermediate Portuguese I (3 units)

(Formerly FLAN 2016). An intermediate-level course in the Portuguese language, emphasizing expanding competency in speaking, understanding, reading, and writing Portuguese in the context of culture. Satisfies G.E. area C3. Prerequisite: PORT 1010 or equivalent, or consent of instructor.

PORT 2020 Intermediate Portuguese II (3 units)

(Formerly FLAN 2026). Continuation of PORT 2010. Satisfies G.E. area C3. Prerequisite: PORT 2010 or equivalent, or consent of instructor.

Upper Division

PORT 3010 Advanced Portuguese I (3 units)

Oral and written practice of the language through class discussion of selected works and written compositions about related topics. Prerequisite: Two years of college-level Portuguese or equivalent, or consent of instructor.

PORT 3020 Advanced Portuguese II (3 units)

Continuation of PORT 3010. Prerequisite: PORT 3010 or equivalent, or consent of instructor.

PORT 3200 Portuguese Culture(s) (3 units)

A survey of persisting features of the Portuguese cultural identity in Europe and in the Americas, including heritage, lifestyles and major institutions. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3301 Survey of Portuguese Literature (3 units)

A survey of the literature of Portugal from its beginnings to the present day with emphasis on major authors and works. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3302 Survey of Brazilian Literature (3 units)

A survey of the literature of Brazil from its origins to the present day with emphasis on major authors and works. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3303 Aspects of Portuguese Poetry (3 units)

A survey course on the development and evolution of Portuguese poetry, from the Middle Ages to the present. A study of poetic forms, trends, innovations, and continuities. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3420 Literature and Civilization in the Age of Discovery (3 units)

A study of the most representative literary works of the Portuguese Golden Age (15th to part of the 17th century): chronicles of the discoveries, cultural exchanges, and alterations of world views. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3430 Literature of the 19th and 20th Centuries (3 units)

A study of the most representative authors and works in the various genres, from the Romantic to the Contemporary period, focusing on selected preoccupations of the Portuguese literary scene. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3440 Modern Portuguese Fiction (3 units)

A study of the most representative modern authors of the genre; trends, innovations, and continuities. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

PORT 3510 Portuguese Conversation (1 unit)

Designed for intermediate and advanced students interested in improving oral proficiency through free conversation and discussion of current cultural Portuguese issues. Prerequisite: PORT 2010 or consent of instructor.

PORT 3930 Survey of Portuguese and Brazilian Literatures in Translation (3 units)

A presentation of major works and writers to reveal the interest and the originality of Portuguese and Brazilian literatures through the ages. Taught in English. Satisfies G.E. area F2.

PORT 4950 Selected Topics in Portuguese (1-5 units)

(Topics to be specified in the class schedule.) Development of a selected topic in Portuguese. Topics will vary. Different topics may be taken for credit.

PORT 4980 Individual Study (1-3 units)

For students prepared for independent work and in need of advanced or specialized study. May be repeated for 6 units. Prerequisite: Consent of instructor.

Sign Language Course Descriptions**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. Satisfies G.E. area C3.

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. Satisfies G.E. area C3.

Spanish

Note: A student who can demonstrate equivalent preparation may be exempt from 4 to 14 units of the lower-division requirement. Two years of college-level Spanish or the equivalent is required for admission to upper-division courses.

Bachelor of Arts in Spanish**Requirements**

1. Complete the University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (14 units):
 - a. SPAN 1010, 1020 Elementary Spanish I, II, 8 units
 - b. SPAN 2010, 2020 Intermediate Spanish I, II, 6 units, **or** SPAN 2011, 2015 Spanish for the Native Speaker, I, II, 6 units
3. Complete the major of not less than 24 upper-division units; of these, no more than 8 units of CR-graded course work in courses graded exclusively CR/NC may apply toward the major.

Note: Completion of an academic minor is not required, but is strongly recommended for single subject credential candidates.

The Major (24 units)

1. Complete SPAN 3010, 3020 Advanced Spanish I, II, 6 units
2. Select three courses from the following (9 units):
SPAN 3200 Literature and Civilization of Spain I, 3 units
SPAN 3210 Literature and Civilization of Spain II, 3 units
SPAN 3300 Literature and Civilization of Spanish America I, 3 units
SPAN 3310 Literature and Civilization of Spanish America II, 3 units
3. Select 9 units of additional upper-division Spanish coursework, as approved by the department.

Minor in Spanish**Requirements** (26 units)

1. Complete the following lower-division courses (14 units):
SPAN 1010, 1020 Elementary Spanish I, II, 8 units
SPAN 2010, 2020 Intermediate Spanish I, II, 6 units, **or**
SPAN 2011, 2015 Spanish for the Native Speaker I, II, 6 units
2. Complete the following upper-division courses (6 units):
SPAN 3010, 3020 Advanced Spanish I, II, 6 units
3. Complete additional courses in upper-division Spanish, as approved by the department, to total not less than 6 units.

Note: Of the 26 unit total, at least 12 units must be in upper-division courses, with a minimum of 14 college-level units.

**Bachelor of Arts in Spanish
Minor in Business Administration**

Students completing this program with appropriate grade point averages earn a Bachelor of Arts degree from CSU Stanislaus with a major in Spanish and a minor in Business Administration. Students in the Business Administration program who earn CSU Stanislaus grade point averages of 3.00 or better and scores of 450 or more on the GMAT are assured admission to the MBA program after graduation. Students with a grade point average below 3.0 may be considered for admission by the MBA Director as specified in this catalog.

The CSU Stanislaus Bachelor of Arts degree requires 120 units. The minor in Business Administration requires 33 units. By also taking MGT 3400 students will have met the MBA foundation course requirement through completion of all undergraduate equivalent courses. The Spanish major requires 24 upper-division units. The program assumes that the student has met all basic skills requirements upon entrance to the university.

This program listing is a sample only and does not constitute a guarantee that each course will be offered in the semester indicated. It is the student's responsibility to ascertain course availability for any given semester.

Students who are unable to carry the suggested number of units each semester are advised to take some of the General Education courses during Winter Term. Students who have learned Spanish in high school or at home may be able to enter the major at a more advanced level. See the Modern Languages Department for placement procedure.

The four Business courses listed for the third and fourth years may be taken in any order after students have completed the second year of the program. OM 3020 must be taken after MGT 3310.

Requirements (125-129 total program units)

1. Complete the following (first year, first semester, 16 units):
ECON 2500 Principles of Macroeconomics, 3 units
MATH 1500 Finite Math, 3 units
SPAN 1010 Elementary Spanish I, 4 units
General Education Area A1, 3 units
General Education Area C1, 3 units
2. Complete the following (first year, second semester, 16 units):
ECON 2510 Principles of Microeconomics, 3 units
MATH 1610 Statistics for Decision Making, 3 units
SPAN 1020 Elementary Spanish II, 4 units
General Education Area A2, 3 units
General Education Area C, 3 units
3. Complete the following (second year, first semester, 13 units):
ACC 2110 Financial Accounting, 3 units
CIS 2000 Introduction to Computer Information Systems, 3 units
PHED 1010-1999 Physical Education Activities, 1 unit
SPAN 2010 Intermediate Spanish I, 3 units, **or**
SPAN 2011 Spanish for Native Speakers I, 3 units
General Education Area A3, 3 units
4. Complete the following (second year, second semester, 14-16 units)
ACC 2130 Managerial Accounting, 3 units
CIS 3700 Information Technology for Management, 3 units
SPAN 2015 Spanish for Native Speakers II, 3 units, **or**
SPAN 2020 Intermediate Spanish II, 3 units
General Education Area D1a, 3 units
General Education Area B2, 2-4 units
5. Complete the following (third year, first semester, 15-17 units):
MGT 3310 Management Theory and Practice, 3 units
OM 3020 Management Science, 3 units
SPAN 3010 Advanced Spanish I, 3 units
General Education Area B1, 3-5 units
General Education Area F2, 3 units
6. Complete the following during winter term, third year, 3 units:
ENGL 3007 Business and Technical Communication (WP), 3 units
7. Complete the following (third year, second semester, 15 units):
FIN 3220 Business Finance, 3 units
MDIS 3400 Latin-American Cultures, 3 units
SPAN 3030 Business Spanish, 3 units

SPAN 3300 Literature and Civilization of Spanish America I, 3 units, **or**
 SPAN 3310 Literature and Civilization of Spanish America II, 3 units, **or**
 SPAN 3210 Literature and Civilization of Spain II, 3 units
 General Education Area C2, 3 units

8. Complete the following (fourth year, first semester, 15 units):
 MKT 3410 Principles of Marketing, 3 units
 SPAN 3300 Literature and Civilization of Spanish America I, 3 units, **or**
 SPAN 3310 Literature and Civilization of Spanish America II, 3 units, **or**
 SPAN 3210 Literature and Civilization of Spain II, 3 units
 Two Spanish elective courses for 6 units
 General Education Area D1b, 3 units
9. Complete the following elective during winter term, fourth year, 3 units:
 SPAN 3930 Spanish/Latin-American Literature in Translation, 3 units, **or**
 SPAN 3970 Contemporary Latin-American Prose in Translation, 3 units
10. Complete the following (fourth year, second semester, 15 units):
 MGT 3400 Seminar in International Business, 3 units
 SPAN 3300 Literature and Civilization of Spanish America I, 3 units, **or**
 SPAN 3310 Literature and Civilization of Spanish America II, 3 units, **or**
 SPAN 3210 Literature and Civilization of Spain II, 3 units
 One Spanish elective for 3 units
 General Education Area D2b, 3 units (Suggested: ETHS 2100, GEOG 2020, or
 GEOG 2410)
 General Education Area FI, 3 units

Liberal Studies Concentration in Spanish

Please refer to the Liberal Studies section of the catalog.

Teaching Credentials

Single Subject Matter Preparation Program

Those interested in completing the single subject matter preparation program in Spanish should obtain the up-to-date description of the program currently available in the Department of Philosophy and Modern Languages. Please refer to the Teacher Education section of the Graduate Catalog for a description of other requirements to be completed in obtaining a single subject credential.

International Paths to the Spanish Major

Winter Term in Cuernavaca, Mexico

Students travel with CSU Stanislaus faculty to Cuernavaca and live with Mexican families while attending classes at the Universidad Internacional. Students may complete up to 6 units of Spanish 1010 - 4950: Beginning to Advanced levels of Spanish Language and Culture.

Eligibility:

Must be student in good standing. Minimum GPA 2.0

CSU International Program

The CSU International Program offers three locations for Spanish Majors: Chile, Mexico, and Spain. Students enroll simultaneously at CSU Stanislaus, where they earn academic credit and maintain campus residency. All campus financial aid is applicable to these programs.

Chile

Students attend the Pontificia Universidad Catolica de Chile (PUC) in Santiago. A wide range of courses in history, literature, political science, and Latin American studies will be available to students with a strong Spanish language background.

Eligibility:

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Cumulative GPA of 3.0
- Upper division standing prior to departure
- Completion of at least two years of college-level Spanish with a B average
- Interest in Latin America demonstrated by proof of completion of at least two courses with Latin American focus

Mexico

Students attend the Queretaro campus of the Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), better known as the Tec. Students with proficiency in the language may take most courses offered at the university, while students with as little as one semester of Spanish may take a Learn Spanish program offered through the International Division.

Eligibility:

ITESM Queretaro Program

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Cumulative GPA of 2.75
- Upper division or graduate standing prior to departure
- Completion of two years of college-level Spanish

Eligibility:

Learn Spanish Program

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Cumulative GPA of 2.75
- Sophomore or higher standing
- Completion of one semester of college-level Spanish

Spain

Students attend the Universidad de Granada or the Universidad Complutense de Madrid, taking courses in Spanish language and literature as well as courses in the humanities and social sciences.

Eligibility:

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Cumulative GPA of 2.75
- Upper division standing prior to departure
- Completion of at least two years of college-level Spanish with a B average

Course Descriptions**Lower Division****SPAN 1000 Introduction to Spanish (3 units)**

Beginning Spanish course for those with little or no prior knowledge of Spanish. (Those students with knowledge of basic Spanish - high school courses, for example - should take SPAN 1010.) The goal of Spanish 1000 is to develop students' appreciation of the culture of the Spanish-speaking countries and develop basic oral skills - comprehension and speaking. The course fulfills the language requirement for the CSU Stanislaus Teacher Credential Program. Satisfies G.E. area C3. Corequisite: SPAN 1002 (laboratory). (Lecture, 2 hours; laboratory, 2 hours)

SPAN 1010 Elementary Spanish I (4 units)

First-year Spanish. Oral proficiency approach; understanding, speaking, reading, and writing; introduction to Hispanic cultures. Satisfies G.E. area C3. (CAN SPAN 2)

SPAN 1011 Elementary Spanish I (For the Health Professions) (4 units)

First-year Spanish; oral proficiency approach; understanding, speaking, reading, and writing; introduction to Hispanic cultures. Places great emphasis on Medical Spanish. Serves as a prerequisite for SPAN 1020. Satisfies G.E. area C3.

SPAN 1015 Elementary Spanish-Intensive (4 units)

A beginning intensive Spanish course (a minimum of four hours per day) in which the primary goal is proficiency in communication. While the course is designed primarily to develop the ability to understand and speak "everyday Spanish" as naturally and spontaneously as possible, it also enables participants to cultivate their reading and writing skills in the target language. Satisfies G.E. area C3.

SPAN 1020 Elementary Spanish II (4 units)

Continuation of SPAN 1010. Satisfies G.E. area C3. Prerequisite: SPAN 1010 or equivalent. (CAN SPAN 4)

SPAN 1021 Elementary Spanish II (For the Health Professions) (4 units)

First-year Spanish (second semester). Oral proficiency approach; understanding, speaking, reading, and writing; introduction to Hispanic cultures. Places great emphasis on Medical Spanish. Serves as a prerequisite for SPAN 2010. Satisfies G.E. area C3. Prerequisite: SPAN 1011 or consent of instructor.

SPAN 1025 Elementary Spanish II-Intensive (4 units)

A second semester intensive Spanish course (a minimum of four hours per day) in which the primary goal is proficiency in communication. Designed to develop the ability to understand, speak, read, and write the target language as naturally and spontaneously as possible. Satisfies G.E. area C3.

SPAN 1030 Elementary Spanish I for Criminal Justice (4 units)

Examination of realistic situations and the specialized vocabulary that law-enforcement professionals need in their daily work in order to communicate with Spanish speaking people. Cultural differences and stereotypes will also be discussed. Serves as a prerequisite for SPAN 1035 and SPAN 1020. Satisfies G.E. area C3.

SPAN 1035 Elementary Spanish II for Criminal Justice (4 units)

Continuation of SPAN 1030. Examination of realistic situations and the specialized vocabulary that law-enforcement professionals need in their daily work in order to communicate with Spanish speaking people. Cultural differences and stereotypes will also be discussed. Prerequisite: SPAN 1030 or SPAN 1010 or consent of instructor.

SPAN 1987 Basic Conversation: Adjunct (1 unit)

Designed to supplement lower-division language courses to help students improve their oral competence in Spanish. Satisfies G.E. area C3. Prerequisite: Current or previous enrollment in a lower-division Spanish course.

SPAN 2010 Intermediate Spanish I (3 units)

Second-year Spanish, with emphasis on oral proficiency. Includes review of language structure patterns and reading assignments. Consideration of Hispanic cultures. Satisfies G.E. area C3. Prerequisite: One year college-level Spanish or equivalent. (CAN SPAN 8)

SPAN 2011 Spanish for Native Speakers I (3 units)

Beginning Spanish for native Spanish speakers with minimal formal training in the language. Cognition of language structures through reading, writing, and speaking. Satisfies G.E. area C3.

SPAN 2015 Spanish for Native Speakers II (3 units)

Intermediate Spanish for native Spanish speakers with minimal formal training in the language. Cognition of language structures through reading, writing, and speaking. Satisfies G.E. area C3. Prerequisite: SPAN 2011 or consent of instructor.

SPAN 2020 Intermediate Spanish II (3 units)

Continuation of SPAN 2010. Satisfies G.E. area C3. Prerequisite: SPAN 2010 or equivalent. (CAN SPAN 10)

SPAN 2500 Winter Term in Mexico (1-6 units)

Students taking lower division Spanish courses in Cuernavaca shall sign up for SPAN 2500 while those taking upper division Spanish courses shall sign up for SPAN 4500. Students may take a total of three or six units of Spanish. Those opting for the former (3 units) shall also take one of the following three unit courses: MDIS 3400, NURS 4950, SW 5950, or EDUC 4200. After taking a Spanish placement examination upon arrival in Cuernavaca, students will be placed in a course commensurate with their level of proficiency and that course will reflect a course number equivalent to a similar course offered at CSU Stanislaus.

SPAN 2510 Elementary Spanish Conversation — Mexico (1-3 units)

Designed to supplement lower-division language courses and to help students improve their aural and oral competencies through a variety of communicative activities.

SPAN 2950 Selected Topics in Spanish (1-6 units)

(Topics to be specified in Class Schedule) Development of a selected topic in Spanish. Topics will vary. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division**SPAN 3000 Advanced-Intermediate Spanish (3 units)**

Written and oral practice of Spanish to improve the non-native speaker's transition to advanced coursework. Emphasis on concepts and training in areas typically problematic for non-native speakers, including orthography, syntax, and lexicon. Course is conducted entirely in Spanish. Prerequisite: SPAN 2020 or consent of instructor.

SPAN 3010 Advanced Spanish I (3 units)

Oral and written practice of the language through class discussion of selected works, and written compositions about related topics. Required of majors and minors. Prerequisite: Two years of college-level Spanish or equivalent, or consent of instructor.

SPAN 3020 Advanced Spanish II (3 units)

Continuation of SPAN 3010. Required of majors and minors. Prerequisite: SPAN 3010 or equivalent, or consent of instructor.

SPAN 3030 Business Spanish (3 units)

An approach to Spanish vocabulary, grammar, situation prototypes and culture needed by students pursuing a career in business. Substitutable for SPAN 3020. Prerequisite: SPAN 3010 or equivalent or consent of instructor.

SPAN 3200 Literature and Civilization of Spain I (3 units)

Development of Spanish literature from its beginnings to 1700. Also covers the history and civilization of the same period. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3210 Literature and Civilization of Spain II (3 units)

Development of Spanish literature from 1700 to the present time. Also covers the history and civilization of the same period. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3300 Literature and Civilization of Spanish America I (3 units)

Development of Spanish American literature from its beginnings to 1880. Also covers the history and civilization of Spanish America during the same period. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3310 Literature and Civilization of Spanish America II (3 units)

Development of Spanish American literature from 1880 to the present. Also covers the history and civilization of Spanish America during the same period. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3500 Introduction to Spanish Linguistics (3 units)

An introduction to the study of Spanish linguistics which explores its major components: phonology, morphology, syntax, and semantics, its uniqueness, variations, and evolution. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3520 Spanish Conversation (1 unit)

Designed to provide the participant the opportunity to develop a greater degree of oral spontaneity in the Spanish language. May be repeated for credit. Prerequisite: SPAN 2020 or equivalent, or consent of instructor.

SPAN 3530 Phonology and History of the Spanish Language (3 units)

A study of the phonological, morphological, and syntactical changes of the Spanish language from Vulgar Latin to modern times. Also an analysis of modern Spanish phonetics and phonemics with emphasis on contrasts with English. Prerequisite: SPAN 2020 or equivalent, or consent of instructor.

SPAN 3600 Spanish Civilization (3 units)

An overview of the historical, social, political, and cultural development of Spain. Also will focus upon Spain's geography and key issues. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3610 Spanish American Civilization (3 units)

An overview of the historical, social, political, and cultural development of Spanish America. Also will focus on geography and key issues. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 3700 La Literatura Femenina Hispanica (3 units)

Special study on women writers of the Hispanic World. Course content may vary from term to term: prose, poetry, theater, etc. Conducted in Spanish. Prerequisite: Two years of college-level Spanish or consent of instructor.

SPAN 3701 Women in Hispanic Literature (3 units)

A thematic study of women as literary characters and as authors as presented in representative works of 8 centuries of Spanish-speaking countries. All required readings and class lectures in English. Not applicable toward the major.

SPAN 3800 El Cuento Hispánico (3 units)

Development and evolution of short story writing in Spain or Latin America. Conducted in Spanish. Prerequisite: Two years of college Spanish or consent of instructor.

SPAN 3900 Cultura y Literatura Chicana (3 units)

The cultural background of the Chicano. Special emphasis will be given to works (prose, poetry, theater) written by contemporary Chicano writers. Conducted in Spanish and English. Prerequisite: Student must be bilingual.

SPAN 3930 Spanish/Latin-American Literature in Translation (3 units)

(Same as ENGL 3930) Studies in various aspects of Hispanic literature in English translation. Course content may vary from term to term. Satisfies G.E. area F2. This course, conducted in English, does not apply toward the major.

SPAN 3970 Contemporary Latin-American Prose in Translation (3 units)

Studies in various aspects of Latin-American prose in English translation. Course content may vary from term to term. Satisfies G.E. area F2. This course, conducted in English, does not apply toward the major.

SPAN 4030 Gramática Española (3 units)

Oral and written practice in Spanish; syntactical analysis. Prerequisite: SPAN 2020 and/or consent of instructor.

SPAN 4201 Teatro Hispánico (3 units)

Development and evolution of the theater in Spain and/or Spanish America. Course content may vary from semester to semester. Conducted in Spanish. Prerequisite: Two years of college-level Spanish or consent of instructor.

SPAN 4230 La Novela Hispánica (3 units)

Special focus on the development of the novel in Spain and/or Spanish America. Course content may vary from semester to semester. Conducted in Spanish. Prerequisite: Two years of college-level Spanish or consent of instructor.

SPAN 4231 La Novela de la Revolución Mexicana (3 units)

Study of selected works by Mexican writers about the Mexican Revolution. To acquaint the student with the writer of a genuine Mexican literature which reflects the Mexican society and its roots and politics. Prerequisite: Two years of college-level Spanish or consent of instructor.

SPAN 4240 Cervantes (3 units)

A study of the works of Cervantes, including Don Quijote. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 4500 Winter Term in Mexico (1-6 units)

Students taking lower division Spanish courses in Cuernavaca shall sign up for SPAN 2500 while those taking upper division Spanish courses shall sign up for SPAN 4500. Students may take a total of three or six units of Spanish. Those opting for the former (3 units) shall also take one of the following three unit courses: MDIS 3400, NURS 4950, SW 5950, or EDUC 4200. After taking a Spanish placement examination upon arrival in Cuernavaca, students will be placed in a course commensurate with their level of proficiency and that course will reflect a course number equivalent to a similar course offered at CSU Stanislaus.

SPAN 4600 Literatura Mexicana (3 units)

Authors of Mexico and their works from Cortez to the contemporary period. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 4810 Linguistics and Language Instruction (WP) (3 units)

An overview of the field of linguistics and its applicability for teaching foreign languages in the secondary schools. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score; SPAN 3010 or consent of instructor.

SPAN 4950 Selected Topics in Spanish (1-6 units)

(Topics to be specified in Class Schedule) Topics vary each term; different topics may be taken for credit. Prerequisite: SPAN 3010 or consent of instructor.

SPAN 4980 Individual Study (1-3 units)

For students prepared for independent work and in need of advanced or specialized study. A total of 3 units of upper-division individual study credit are the maximum allowed toward the Spanish major. Prerequisite: Consent of instructor.

Department of Politics and Public Administration

Jason C. Myers, Ph.D., *Chair*

Professors: AbuKhalil, Giventer, Hejka-Ekins

Associate Professors: Myers, Routh

Assistant Professor: Colnic, Shinn

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Bachelor of Arts in Political Science**Minor in Political Science****Liberal Studies degree concentration in Civics****Social Sciences degree concentration in Political Science****Master of Public Administration***

*See *Graduate catalog*

The Department of Politics and Public Administration also sponsors an undergraduate minor in Political Science. The department provides support for numerous programs on campus, including Social Sciences, Liberal Studies, International Studies, Latin American Studies, and Gender Studies. (See the appropriate sections of this catalog.)

The Public Service Internship program enables undergraduate and graduate students to gain practical experience in a professional setting. Students are assigned to administrative, legislative, legal, political, and not-for-profit agencies. Interns normally work 16-20 hours a week and receive academic credit through a special seminar or individual study.

Careers in Law

Students interested in the legal profession are encouraged to contact the prelaw adviser in the Department of Politics and Public Administration. The department suggests that prelaw students pursue an undergraduate program which provides (1) a knowledge of the foundations of human institutions and values (2) a high degree of competency in analytical skills and (3) effectiveness in comprehension and use of the English language.

Most law schools admit applicants with the highest overall grade point average and Law School Admission Test (LSAT) scores. The importance of high grades in academic subject areas and a respectable score on the LSAT cannot be overstressed. Prewlaw students should take the LSAT in the fall semester of the year preceding their anticipated admission to law school. Applications for the LSAT are available in the department office.

Careers in Government, Public Agencies, and Private Organizations

The Political Science major focuses on the political/administrative process and the theoretical underpinnings of the discipline. Courses cover a wide range of subjects and should appeal to students interested in politics at all levels.

Careers in Foreign Affairs

The department offers courses for students interested in the foreign service, international organizations, international business, and not-for-profit agencies.

International Opportunities for Political Science Majors**CSU International Program (IP)**

The CSU International Program is the system-wide overseas study program of the California State University. The goal of IP is to provide international academic opportunities in the framework of a CSU degree program. Students enroll concurrently in a host university and CSU Stanislaus. All campus financial aid applies. The following opportunities are available for Political Science majors:

English is the medium of instruction at:

- University of Copenhagen, Denmark
- Yonsei University, Korea
- Uppsala University, Sweden
- University of Bradford, University of Bristol, University of Hull, Kingston University, and University of Wales, United Kingdom

Students with fluency in French, German, or Spanish may study at:

- University of Paris, France
- University of Tübingen, Germany
- University of Madrid, Spain

Eligibility:

- Enrollment at a CSU campus or eligibility to enter from a California community college
- Cumulative GPA of 3.0
- Upper division or graduate standing prior to departure
- Completion of lower division requirements for Political Science major

Bachelor of Arts in Political Science

The principal objectives of the undergraduate programs are:

- To expose students to diverse concepts and theories in the major sub-areas of the discipline.
- To encourage students to think critically and creatively about politics.
- To provide appropriate pre-professional instruction to students who intend to enter graduate school, pursue a career in law or governmental affairs, or study for a teaching credential.

Requirements

1. Complete University General Education breadth requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (6-10 units):
 - a. Required courses in the major field (6 units):
 - PSCI 1201 American Government, 3 units
 - PSCI 2000 Introduction to Political Science, 3 units (recommended), **or**
 - PSCI 2030 Global Politics, 3 units

- b. Strongly recommended:
MATH 1600 Statistics, 4 units
3. Complete the major (34 units):
PSCI 3000 Ancient & Medieval Political Thought, 3 units, **or**
PSCI 3010 Modern Political Thought (WP), 3 units
1 additional course in Political Theory (3-4 units)
2 courses in American Politics (6-8 units)
1 course in Comparative Politics (3-4 units)
1 course in International Relations (3-4 units)
Political Science electives as approved by major adviser (11-16 units)
4. Completion of a minor is not required. Eight units of CR-graded coursework in courses graded exclusively CR/NC may apply toward the major.

Political Theory

PSCI 3000 Ancient & Medieval Political Thought, 3 units
PSCI 3010 Modern Political Thought (WP), 3 units
PSCI 3030 American Political Thought, 3 units
PSCI 3055 Marx on the Human Condition, 3 units
PSCI 4050 Political Ideologies, 4 units
PSCI 4055 Money and Power, 4 units
PSCI 4060 Globalization and Democracy: Ideals and Institutions, 4 units

American Politics

PSCI 3210 Legislative Process, 3 units
PSCI 3220 Constitutional Law, 4 units
PSCI 3225 Civil Liberties, 4 units
PSCI 3230 Political Parties and Interest Groups, 4 units
PSCI 3235 Political Campaigns and Elections, 3 units
PSCI 3240 Media and Politics, 4 units
PSCI 3250 Public Opinion and Voting Behavior, 4 units
PSCI 3304 Introduction to Public Administration (WP), 4 units
PSCI 3314 Corruption in Government, 4 units
PSCI 3320 Executive Legislative Relations, 3 units
PSCI 3330 California Politics, 3 units
PSCI 3700 Ethnic and Gender Politics, 4 units
PSCI 3810 Multicultural Community Building and Conflict Resolution, 3 units
PSCI 4214 The Judicial Process, 4 units
PSCI 4220 Simulation — Supreme Court Decision Making, 3 units
PSCI 4230 The Presidency, 3 units
PSCI 4300 Organization Theory, 4 units
PSCI 4305 Gender Politics at Work, 3 units
PSCI 4311 Women in American Law, 3 units
PSCI 4314 Ethics in Government, 4 units
PSCI 4315 Public Policy-Making, 3 units
PSCI 4318 Environmental Policy and Politics, 4 units
PSCI 4320 Immigration and Refugee Policy, 3 units
PSCI 4325 Land Use Planning, 3 units
PSCI 4326 Planning Issues and Agriculture, 4 units
PSCI 4330 Urban Politics, 4 units
PSCI 4940 Public Administration Internship, 3 units

Comparative Politics

PSCI 3400 Introduction to Comparative Politics, 3 units
PSCI 3410 Comparative Politics: Latin America, 4 units
PSCI 3430 Comparative Politics: Middle East, 3 units
PSCI 3444 Gender and Sexuality in the Middle East, 4 units

International Relations

PSCI 3600 International Relations, 4 units
PSCI 4640 Foreign Policy Issues, 3 units
PSCI 4650 International Relations: Model United Nations and Arab League, 3 units
PSCI 4654 Politics of the Arab-Israeli Conflict, 4 units

Specialized Courses

PSCI 2950 Selected Topics in Political Science, 1-5 units
PSCI 4950 Selected Topics in Politics and Public Administration, 1-5 units
PSCI 4980 Individual Study, 1-4 units

Interdisciplinary

PSCI 4316 Teaching Democracy in the Classroom, 3 units
PSCI 4700 The Political Novel, 4 units

Postbaccalaureate

PSCI 5980 Individual Study, 1-4 units
PSCI 5990 Thesis, 1-6 units

Liberal Studies Concentration in Civics

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Civics (previously Political Science.)

Social Sciences Concentration in Political Science

Please refer to the Social Sciences program section of the catalog.

Minor in Political Science**Requirements** (19 units)

- Complete the following courses (6 units):
PSCI 1201 American Government, 3 units
PSCI 2000 Introduction to Political Science, 3 units, or
PSCI 2030 Global Politics, 3 units
- Complete upper-division courses as approved by the minor adviser for 13 units.

Prelaw Courses

Stephen R. Routh, Ph.D., *Prelaw Adviser*

Departmental majors contemplating a career in law should consider, in addition to the basic degree requirements, the following courses. The prelaw adviser will provide an additional list of complementary courses upon request.

American Politics (Public Law)

PSCI 3220 Constitutional Law, 4 units

PSCI 3225 Civil Liberties, 4 units

PSCI 4220 Simulation—Supreme Court Decision-Making, 3 units

PSCI 4311 Women in American Law, 3 units

American Politics

PSCI 3030 American Political Thought, 3 units

PSCI 3210 Legislative Process, 3 units

PSCI 3230 Political Parties and Interest Groups, 4 units

PSCI 3235 Political Campaigns and Elections, 3 units

PSCI 3320 Executive Legislative Relations, 3 units

PSCI 3330 California Politics, 3 units

PSCI 4214 The Judicial Process, 4 units

PSCI 4230 The Presidency, 3 units

PSCI 4315 Public Policy-Making, 3 units

PSCI 4325 Land Use Planning, 3 units

PSCI 4330 Urban Politics, 4 units

PSCI 4350 Government, Business, and the Economy, 3 units

Political Theory

PSCI 3000 Ancient & Medieval Political Thought, 3 units

PSCI 3010 Modern Political Thought (WP), 3 units

PSCI 3030 American Political Thought, 3 units

PSCI 4050 Political Ideologies, 4 units

Learning Objectives

The undergraduate program in Political Science has five key learning objectives applicable to both majors and students in its General Education and service courses:

- Students have a sound and appropriately comprehensive knowledge of the history of political thought and its key concepts
- Students have a sound and appropriately comprehensive knowledge of modern political institutions and dynamics
- Students are able to successfully analyze complex texts and arguments
- Students are able to successfully analyze complex issues and problems
- Students are able to successfully formulate and evaluate policy options

Three additional learning objectives apply especially to students majoring in political science:

- Students have an appropriate working knowledge of the scope and methods of political science
- Students have a sound and appropriately comprehensive knowledge of global and comparative political institutions and dynamics
- Students are able to successfully design and conduct research in political science

Three of the program's learning objectives have particular application to students in General Education courses offered by the department:

- Students have a sound and appropriately comprehensive knowledge of US and California political institutions and dynamics
- Students have a sound and appropriately comprehensive knowledge of multicultural political dynamics
- Students possess the deliberative and communicative skills required in the exercise of citizenship

Course Descriptions**Lower Division****PSCI 1201 American Government (3 units)**

Critical analysis of American political structures and processes. Meets U.S. Constitution and California state and local government requirements for General Education. Satisfies G.E. area D1. (CAN GOVT 2) (Fall, Spring)

PSCI 1202 Service Learning in American Democracy (1-6 units)

An opportunity to link concepts from American Government (PSCI 1201) to an experience in community agencies and organizations through service learning. Guidance is provided in laboratory for reflecting on experience. Corequisite: PSCI 1201

PSCI 1210 American Government Exam (3 units)

Examination course which allows students who are knowledgeable about American government to meet the G.E. requirement for the course by examination. Texts are assigned. The Political Science Department does not provide instruction or support for the course other than a syllabus.

PSCI 1250 State and Local Government Exam (1 unit)

Examination course which allows students who are knowledgeable about California State and local government to meet the G.E. requirement for the course by examination. Texts are assigned. The Political Science Department does not provide instruction or support for the course other than a syllabus.

PSCI 2000 Introduction to Political Science (3 units)

Examination of the foundations of political science and political behavior in the West. Emphasis is placed on broadening the understanding of political science as a discipline. Recommended for majors. Satisfies G.E. area D2. (Fall)

PSCI 2030 Global Politics (3 units)

Introduces the basic characteristics of the modern interdependent world: interdependence, multiple perspectives, cultural diversity, ideological diversity, world capitalism, global politics, socialist revolution. Satisfies G.E. areas D2 and G.

PSCI 2950 Selected Topics in Political Science (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of political science. Topics may vary each term. Different courses may be taken for credit. Prerequisite: Consent of instructor.

Upper Division**PSCI 3000 Ancient & Medieval Political Thought (3 units)**

Political thought of Greeks, Romans, and early Christians. Examines questions such as the nature of justice, the best form of political authority, and the proper relationship between religion and government. Prerequisite: PSCI 1201.

PSCI 3010 Modern Political Thought (WP) (3 units)

Political thought from the seventeenth century to present, with emphasis on such European philosophers as Hobbes, Locke, Rousseau, and Marx. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score and PSCI 1201.

PSCI 3030 American Political Thought (3 units)

Examines selected American views of political life. Individuals or movements from the following list will be selected and analyzed: Puritanism, Jefferson, Madison, Hamilton, Marshall, the Jacksonians, Pro- and Anti-Slavery Thought, Populism, Progressivism, Nativism and the Ethnic Experience, Black Political Thought, Contemporary Conservatism.

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 3210 Legislative Process (3 units)

Examines the organization and operation of the United States Congress. Emphasis is placed on legislative behavior, committee decision-making, leadership strategies, and congressional reform. Prerequisite: PSCI 1201. (Fall)

PSCI 3220 Constitutional Law (4 units)

Studies the nature and scope of judicial review in American politics, focusing specifically on the development of lines of precedence in the areas of presidential and congressional power, federalism, equal protection, and privacy. Prerequisite: PSCI 1201.

PSCI 3225 Civil Liberties (4 units)

Examines selected issues in American civil liberties, emphasizing such areas as speech, press, religion, and criminal procedures. Designed especially for prelaw students. Satisfies G.E. area F3. Prerequisite: PSCI 1201.

PSCI 3230 Political Parties and Interest Groups (4 units)

Studies the organization and activities of political parties and interest groups in the American political system. Emphasis is placed on the varieties and techniques of interest groups, the role of parties in elections and party reform. Prerequisite: PSCI 1201.

PSCI 3235 Political Campaigns and Elections (3 units)

Examines the principal features and consequences of American political campaigns; emphasis is placed on campaign strategies, the media; polling, contributions, and electoral outcomes. Prerequisite: PSCI 1201.

PSCI 3240 Media and Politics (4 units)

Examines political roles of mass media in American politics, including television news effects on political attitudes, political actors' use of media, and media's influence on democratic governance. Prerequisite: PSCI 1201.

PSCI 3250 Public Opinions and Voting Behavior (4 units)

American voting behavior, psychological dimensions of citizen decision-making in a democracy, political attitudes and beliefs, and campaign tactics. Field work. Prerequisite: PSCI 1201.

PSCI 3304 Introduction to Public Administration (WP) (4 units)

(Formerly PSCI 3300) An introduction to the study of principles and problems in administrative procedure in public organizations. Specific areas of examination include the relationship between bureaucratic and democratic theory, organization theory, personnel administration, fiscal and budgetary policy, and regulatory administration. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score and PSCI 1201.

PSCI 3314 Corruption in Government (4 units)

Explores the nature, scope, and impact of government corruption and reform measures employed to combat it. Special emphasis is placed on investigating systemic corruption and its political-economic connections.

PSCI 3320 Executive Legislative Relations (3 units)

Examines the organizational and policy dimensions of presidential—and bureaucratic—congressional relations. Topics covered include executive privilege, congressional investigations, impoundment, impeachment, and the legislative veto. Prerequisite: PSCI 1201.

PSCI 3330 California Politics (3 units)

Study of politics and decision-making in California. Emphasis is placed on the ways public officials and private groups interact in the political arena. Prerequisite: PSCI 1201.

PSCI 3400 Introduction to Comparative Politics (3 units)

Introductory course in the field of comparative politics. It introduces the students to comparative analysis concepts, political socialization and culture, interest groups and interest articulation, political parties and interest aggregation, public policy, class analysis, elite analysis, and dependency theory. The methods will be applied to political experiences from various countries around the world. Prerequisite: PSCI 1201.

PSCI 3410 Comparative Politics: Latin America (4 units)

General survey of the politics of Latin America. Course includes historical factors affecting the nature of contemporary politics; the nature of contemporary political developments; the role of such forces as military, the church, and the United States; and the nature of revolution in Latin America. Prerequisite: PSCI 1201. (Spring)

PSCI 3430 Comparative Politics: Middle East (3 units)

Broad survey of Middle East politics since World War II. Emphasis will be given to the major issues facing the region, and economic links between the Middle East and the developed world.

PSCI 3444 Gender and Sexuality in the Middle East (4 units)

(Same as GEND 3444) Study of women and sexuality in the Middle East region with special emphasis on the Arab world. Deals with the issues of gender conflict and the changing roles of women in society. Also deals extensively with the subject of the impact of Islam on the lives of women and men. The subject of feminism in the Middle East also will be covered. Satisfies G.E. area G.

PSCI 3450 Comparative Politics: Eastern Europe (3 units)

Analysis of government, politics, and political development in Eastern European political systems. Prerequisite: PSCI 1201. (Fall)

PSCI 3470 Comparative Politics: Asia (3 units)

Survey of the political systems of China, Japan, and India, and of selected other Asian nations. Description and analysis of government, political institutions, political culture, and historical background of the major Asian powers and of states where significant instability exists. Prerequisite: PSCI 1201.

PSCI 3600 International Relations (4 units)

Introduces the elements of international relations. Work in lab simulation will be an integral part of the course. Prerequisite: PSCI 1201. (Fall)

PSCI 3700 Ethnic and Gender Politics (4 units)

(Same as GEND 3700) Focuses on the politics of ethnicity and gender. It will begin with a consideration of the Europatriarchal ideology underlying social relations in capitalist societies, investigate the impact of these relations on peoples experiencing colonization (Native Americans, African-Americans, Mexican-Americans, Asian-Americans, other "Third World" peoples, and women everywhere) and discrimination because of sexual preferences, and conclude with critical perspectives arising out of contemporary liberation movements. Satisfies G.E. area G.

PSCI 3810 Multicultural Community Building and Conflict Resolution (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.

PSCI 4040 Politics in the 21st Century (3 units)

Explores the emerging politics of the 21st century including critiques of modernism, colonialism, and the bureaucratic state. The course will examine post-modern strategies for social change. Prerequisite: Upper-division standing or consent of instructor.

PSCI 4050 Political Ideologies (4 units)

(Formerly Big Arguments: Clashes and Connections) Examines four key ideologies that shape contemporary debates about politics: liberalism, socialism, nationalism, and democracy. Satisfies G.E. area F3.

PSCI 4055 Money and Power (4 units)

Examines three fundamental aspects of political power: the control of economic resources, the application of military force, and the construction of political beliefs.

PSCI 4060 Globalization and Democracy: Ideals and Institutions (4 units)

Globalization, especially the internationalization of finance, is having a profound effect on democratic institutions. Examines the origins and evolution of globalization processes and their consequences for democracy. Prerequisites: American Government and Macroeconomics. At least one course in International Relations or Comparative Government also is recommended.

PSCI 4214 The Judicial Process (4 units)

(Formerly PSCI 4210) Study of judicial decision-making and of the organization of the American court systems. Emphasis is placed on both the federal and state courts. Includes analysis of controversies surrounding the courts, e.g., "assembly-line justice" in the trial courts. Prerequisite: PSCI 1201. PSCI 3220 is strongly recommended.

PSCI 4220 Simulation—Supreme Court Decision-Making (3 units)

Study of decision-making in the United States Supreme Court through the use of discussions and simulations of the decision process. Prerequisite: PSCI 1201. (Spring)

PSCI 4230 The Presidency (3 units)

(Formerly The Chief Executive) Study of the chief executive in American national government. The roles, responsibilities, powers, and limits of the President and other decision-makers in the Executive Branch are analyzed, and the centrality of the executive in the American political system is emphasized. Prerequisite: PSCI 1201.

PSCI 4300 Organization Theory (4 units)

Concentrates on structural and behavioral approaches which have contributed to the understanding of organizations. The literature on organizations is reviewed. The meaning of organizations in contemporary society is emphasized. Prerequisite: PSCI 1201. PSCI 3304 recommended. (Spring)

PSCI 4305 Gender Politics at Work (3 units)

(Formerly Changing Sex Roles in Organizations) (Same as GEND 4305) Deals with changes in the work environment resulting from the influx and upward mobility of women into professional positions. Addresses the dynamics of the change for both men and women. Specific topics include changing demographics, cultural taboos, problems, and the legal climate. (Summer)

PSCI 4311 Women in American Law (3 units)

(Same as GEND 4311) Designed to examine American law, focusing upon significant, recent, and current cases and opinion which act to discriminate between the rights, duties, and obligations of men and women on the basis of gender.

PSCI 4314 Ethics in Government (4 units)

Primary goals are to promote an awareness of ethical issues in government, the development of moral judgment and growing commitment to act responsibly in public service. Emphasis will also be placed on the linkages between the individual, political organizations, and American society. Prerequisite: PSCI 1201 or consent of instructor.

PSCI 4315 Public Policy-Making (3 units)

Addresses two areas of the policy-making process: a) the role of social/political institutions with particular attention to administrative agencies, interest groups, and the judiciary in addition to the presidency and Congress; b) principal models of policy formation including elitism, systems theory, and incrementalism. Policy-making in a number of specific domestic problem areas will be studied. Prerequisite: PSCI 1201. PSCI 3304 recommended. (Spring)

PSCI 4316 Teaching Democracy in the 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.

PSCI 4318 Environmental Policy and Politics (4 units)

(Formerly MDIS 4400 Politics of the Environment) Analyzes local, national, and global environmental problems and the public response by focusing on notions of environmental quality, political actors' roles in translating these visions into policy, and policy effectiveness. Satisfies G.E. area F3. Prerequisite: PSCI 1201.

PSCI 4320 Immigration and Refugee Policy (3 units)

Examines the roles of political actors and public policy in determining how and why individuals are either encouraged or restricted entry into the U.S. Prerequisite: PSCI 1201.

PSCI 4325 Land Use Planning (3 units)

Examines city and county land use policy-making and issues in California. Focus is on the nature and design of general plans and zoning ordinances; the roles played by planners, planning commissions, city councils, Boards of Supervisors, and the courts; and the impact of land use decisions on agriculture and urban development in the Central Valley. Prerequisite: PSCI 1201.

PSCI 4326 Planning Issues and Agriculture (4 units)

Examines the political and public policy effects of planning. Focus is on the relationship between planning and the protection of agricultural resources as well as other community objectives.

PSCI 4330 Urban Politics (4 units)

Study of politics, organization, and problems at the urban level with emphasis on the responses of state and federal governments to the needs and demands of cities. Prerequisite: PSCI 1201.

PSCI 4340 Political Demography (3 units)

Examines the political and policy implications of population movements and trends. To be taken concurrently with PSCI 4342. Prerequisite: PSCI 1201.

PSCI 4342 Political Demography Lab (1 units)

Computer application of demographic methods and principles, includes mapping of demographic data. To be taken concurrently with PSCI 4340.

PSCI 4350 Government, Business, and the Economy (3 units)

Examines government regulation of the business community, the administration of national economic policy, and the impact of public policy and political events on private sector behavior. Prerequisite: PSCI 1201.

PSCI 4600 Statistical Analysis for Politics (4 units)

(Formerly PSCI 4110) Addresses applications of statistical analysis for political and social research, involving the use of computerized statistical programs for social science data analysis. Corequisite: PSCI 4602. (Lecture, 2 hours; laboratory, 4 hours)

PSCI 4640 Foreign Policy Issues (3 units)

Seminar which deals with contemporary issues in international relations. May be repeated once for credit.

PSCI 4650 International Relations:**Model United Nations and Arab League (3 units)**

Offers a study and practice of model United Nations and model Arab League; it offers the students an intensive scholarly and practical experience of the workings of UN and Arab League in addition to the study of the country of representation. Students will learn about globalization through the actual simulation of UN debates.

PSCI 4654 Politics of the Arab-Israeli Conflict (4 units)

Study of the origins and evolution of the Arab-Israeli conflict in its various dimensions. Includes a study of Zionism and Palestinian nationalism and their relations through history with Palestine/Israel. Prerequisite: PSCI 1201 or consent of instructor.

PSCI 4680 U.S.-Latin American Relations (4 units)

U.S. policy towards Latin America: who makes it, how it is made, what it is. Latin American reactions to U.S. policy. Latin American policy initiatives. U.S. intervention in Latin America. Prerequisite: PSCI 1201.

PSCI 4700 The Political Novel (4 units)

Examines the ways in which political activity and belief give shape to certain novels, particularly in America.

PSCI 4710 Politics and Film (3 units)

Course explores American politics through the medium of dramatic and documentary films. Films are used to examine political behavior, capitalism, justice, domestic and foreign policy, lawmaking, and the media.

PSCI 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator.

PSCI 4940 Public Administration Internship (3 units)

Study of the scholarly and field dimensions of employment in the public sector. This course is designed for students who are serving as interns in public agencies. Prerequisite: PSCI 1201.

PSCI 4950 Selected Topics in Politics and Public Administration (1-5 units)
(Topics to be specified in Class Schedule) Development of a selected branch of political science. Topics will vary each term. Different topics may be taken for credit.

PSCI 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Department of Sociology

Paul W. O'Brien, Ph.D., *Chair*

Professors: Bowers, D., Doraz, Macdonald, Muedeking, O'Brien, Payne, Riedmann

Associate Professor: Schoenthaler

Assistant Professor: Sniezek

Lecturers: Sanchez, Wong

Office: Bizzini Hall 213

Phone: (209) 667-3408

Bachelor of Arts in Social Sciences

Bachelor of Arts in Sociology

with concentrations in General Major; Human Services; Drug and Alcohol Studies; Social Deviance and Criminology; Social Inequality, and The Body, Culture, and Society

Minor in Gerontology

Minor in Sociology

Liberal Studies degree concentration in Sociology

Social Sciences degree concentration in Sociology

Graduate Certificate in Gerontology*

*See *Graduate catalog*.

Social Sciences Program

Linda Trinh Pham, Ph.D., *Coordinator*

Office: Bizzini Hall 211-B

Phone: (209) 667-3408

Bachelor of Arts in Social Sciences

Bachelor of Arts in Social Sciences

The Bachelor of Arts in Social Sciences program is an interdepartmental degree program consisting of courses in the following disciplines: anthropology, communication studies, criminal justice, economics, ethnic studies, geography, history, political science, psychology, and sociology. Students select courses from any three of the above disciplines. The program offers a wide variety of courses dealing with human interaction in past and present society and acquaints students with contemporary social problems, their causes, and their potential solutions.

Additionally, a course in the methods of scientific investigation in the social sciences provides students with valuable analytical skills. Students should discuss career opportunities with their adviser in their areas of concentration in the Social Sciences major.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the Interdepartmental Studies major, as approved by the adviser. Of these, no more than 8 units of CR-graded coursework in courses graded exclusively CR/NC may apply.
3. Completion of a minor is not required.

Note: Immediately upon entering this interdepartmental degree program, students should select the three disciplines that will form their major.

The Major (38 units minimum)

1. Complete the following courses (5 units):
SSCI 3005 Research and Information Literacy, 2 units
(MDIS 3005 also satisfies the above requirement.)
SSCI 4960 Social Sciences Interdisciplinary Seminar, 3 units, **or**
SSCI 4961 Teaching Social Studies, 3 units
2. Complete one course in introductory methodology (3 units minimum):
COMM 3900 Communication Research Methods, 4 units
HIST 3000 Introductory Seminar in History (W/P), 3 units
PSCI 2000 Introduction to Political Science, 3 units
PSYC 2020 Introduction to Psychological Methods, 3 units
SOCL 3030 Research Methods, 4 units
SSCI 3010 Introduction to Social Science Methodology, 3 units
3. Select three of the disciplines listed below, completing the prerequisite courses for each. Then complete a minimum of 12 upper-division units in the first of the three disciplines and a minimum of 9 upper-division units in each of the two other disciplines, as approved by the adviser.

Note: See specific disciplines' sections of this catalog for list of possible courses.

Anthropology

- a. Prerequisite: ANTH 2060 Introduction to Cultural Anthropology, 3 units
- b. Select any upper-division courses, with the adviser's consent. Note additional prerequisites to certain courses. Options available:
 - General Anthropology
 - Ethnography
 - Ethnology
 - Archaeology
 - Physical Anthropology
 - Special Studies

Communication Studies

- a. Prerequisite: Complete one of the following:
COMM 2011 Introduction to Communications Studies, 3 units

COMM 2200 Introduction to Mass Media, 3 units

- b. Select any 9 to 12 units from the following areas:
 - Core
 - Organizational Communications/Public Relations
 - Speech Communication

Criminal Justice

- a. Prerequisites: Complete the following:
CJ 2250 Introduction to Criminal Justice, 3 units
CJ 2280 Criminal Law, 3 units
- b. Select any 9 to 12 upper division units in Criminal Justice with adviser's consent:

Economics

- a. Prerequisites: Complete the following:
ECON 2500 Principles of Macroeconomics, 3 units
ECON 2510 Principles of Microeconomics, 3 units
- b. Upper-division courses: select 9 to 12 units from each of three or four of the following fields:
 - Banking, Investment, and Managerial Economics
 - International Trade and Alternative Economic Systems
 - Economics and the Public Sector
 - Labor Economics
 - Economic History

Ethnic Studies

- a. Prerequisite: Complete an introductory 2000-level Ethnic Studies course, 3 units
- b. Select any 9 to 12 units from the following, with adviser's consent:
 - Category II
 - Category III
 - Category IV
 - Category V

Geography

- a. Prerequisite: Complete one of the following:
GEOG 2020 Introduction to Cultural Geography, 3 units
GEOG 2400 World Regional Geography I: Europe and Asia, 3 units
GEOG 2410 World Regional Geography II: Africa, Australia, and Latin America, 3 units
- b. Select 9 to 12 upper-division units from the following:
 - Topical human geography — GEOG 3010, 3020, 3300, 4070, 4210, 4350, 4650, 4800, 4840
 - Regional geography — GEOG 3340, 3350, 3510, 3550, 3570, 3590, 3650, 4210, 4610
 - Methodology geography — GEOG 3700, 4700, 4710 (W/P), 4730, 4840

Note: Students must take at least one course from topical human geography and one course from regional geography. Only one unit of the self-guided field trip courses, GEOG 3930, 3940, 3950, or 3960 may be applied to the Social Sciences Major.

History

- a. Prerequisite: Complete a one-year sequence of lower-division history in World civilization, Western civilization, non-Western civilization, or U.S. history.

- b. Select 9 to 12 units. Select courses to have at least one upper-division course in each of the following:
- European History
 - United States History
 - Non-Western History

Political Science

- a. Prerequisite: PSCI 1201 American Government, 3 units
- b. Complete 9 to 12 units as follows:
- i. American Politics: 2 courses
 - ii. Additional one or two courses to be selected from:
 - Political Theory
 - Comparative Politics
 - International Relations
 - Specialized courses (excluding individual study)
 - Interdisciplinary

Psychology

- a. Prerequisites:
- i. PSYC 2010 Introduction to Psychology, 3 units, **and**
 - ii. PSYC 2020 Introduction to Psychological Methods, 3 units; **or**
SOCL 3030 Research Methods, 4 units, **or**
SSCI 3010 Introduction to Social Science Methodology, 3 units
- b. Complete 9 to 12 units from each of the following areas:
- Psychology as a Natural Science
 - Psychology as a Social Science
 - Psychology as an Applied Science

Sociology

- a. Prerequisites:
- i. SOCL 1010 Introduction to Sociology, 3 units, **and**
 - ii. SOCL 3030 Research Methods, 4 units, **or**
PSYC 2020 Introduction to Psychological Methods, 3 units, **or**
COMM 3900 Communication Research Methods, 4 units, **or**
SSCI 3010 Introduction to Social Science Methodology, 3 units
- b. Select any 9 to 12 units, with adviser's consent, from:
- Human Services
SOCL 4790 Social Welfare Services, 3 units
SOCL 4800 Formal Organizations in Modern Society, 3 units
 - Drug and Alcohol Studies
 - Social Deviance and Criminology
 - Social Inequality
 - The Body, Culture and Society

Concentration in International Studies

The International Studies program provides a framework of study for students interested in the interrelations of nations and peoples. Because these interrelations are complex and operate at different levels (economic, political, military, cultural, etc.), a student must be selective regarding the areas to be investigated. Thus the focus of a student's coursework in this concentration may be on a particular area (Europe, Africa, the Middle East, Latin America, etc.), or on international problems (economic, political, diplomatic, etc.), on international organizations and their functions, or aspects of intercultural communications, etc. To identify the most appropriate pattern of courses, the student will prepare his or her program in close consultation with the department. The department should also be consulted regarding career opportunities.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following two courses (5 units):
SSCI 3000 Library Resources, 2 units
SSCI 4960 Social Sciences Interdisciplinary Seminar, 3 units
3. Complete one lower-division course from each of the following sections: (12 units):
 - a. Multidisciplinary Studies
GEOG 2400 World Regional Geography I, 3 units, **or**
GEOG 2410 World Regional Geography II, 3 units
 - b. Economics
ECON 2500 Principles of Macroeconomics, 3 units, **or**
ECON 2510 Principles of Microeconomics, 3 units
 - c. Political Science
PSCI 2030 Global Politics, 3 units
 - d. History
HIST 1010 World Civilizations I, 3 units, **or**
HIST 1020 World Civilizations II, 3 units
4. Complete the International Studies concentration of 30 units as approved by the adviser. Of these, no more than 8 units of CR-graded coursework in courses graded exclusively CR/NC may apply.
5. Completion of a minor is not required.

The Concentration (30 units)

Upon entering the International Studies concentration, work closely with the Director to develop a tentative program for the remainder of your undergraduate coursework. Prepare a trial study list prior to each advising appointment. In such a broad major, close cooperation between adviser and advisee is necessary to avoid mistakes.

Select a minimum of 12 units in one of the following disciplines and a minimum of 9 units in each of two others, as approved by the adviser:

Note: Some of these disciplines require additional lower-division introductory coursework not already specified in Requirements, Section 3 above. Select courses from the three preferred disciplines.

Anthropology

- ANTH 3000 Anthropology and Global Issues, 3 units
 ANTH 3010 The Great Discoveries, 3 units
 ANTH 3020 Travelers in Time: Perspectives of the Past on the Present, 3 units
 ANTH 3070 Peoples and Cultures of Africa, 3 units
 ANTH 3105 Peoples and Cultures of the Pacific, 3 units
 ANTH 3106 Peoples and Cultures of Asia, 3 units
 ANTH 3301 Native Americans of Canada and the U.S., 3 units
 ANTH 3320 Native Peoples of Latin America, 3 units
 ANTH 3900 Anthropology of Gender and Sexuality (WP), 3 units
 ANTH 4140 Urban Anthropology, 3 units
 ANTH 4150 Anthropology of Religion, 4 units
 ANTH 4165 The Family in Cross-Cultural Perspective, 3 units
 ANTH 4170 Business, Economics, and Anthropology, 3 units
 ANTH 4181 Political Anthropology, 3 units
 ANTH 4210 Ethnomedical Anthropology, 3 units
 ANTH 4211 The World in Change, 3 units
 ANTH 4221 Folk Literature and Arts (WP), 3 units
 ANTH 4500 Growth of Anthropology, 4 units
 ANTH 4980 Individual Study, 1-4 units

Economics

- ECON 4000 Intermediate Theory (Macroeconomics), 3 units
 ECON 4010 Economic Thought, 3 units
 ECON 4050 Comparative Economic Systems, 3 units
 ECON 4200 Intermediate Theory (Microeconomics), 3 units
 ECON 4335 Political Economy (WP), 3 units
 ECON 4401 Third World Economics, 3 units
 ECON 4415 International Economics, 3 units
 ECON 4420 The Economy of Russia, 3 units
 ECON 4455 The U.S. and World Trade, 4 units
 ECON 4980 Individual Study, 1-4 units

Geography

- GEOG 3010 Cultural Geography, 3 units
 GEOG 3020 Human Ecology, 3 units
 GEOG 3300 Geography of Economic Activities, 3 units
 GEOG 3550 Geography of Europe, 3 units
 GEOG 3570 Geography of Russia and East Europe, 3 units
 GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 3 units
 GEOG 4070 Agricultural Geography, 4 units
 GEOG 4210 Geographic Problems in the Developing World, 3 units
 GEOG 4980 Individual Study, 1-4 units

History

- HIST 3000 Introductory Seminar in History (WP), 3 units
 HIST 3090 Contemporary World History, 3 units
 HIST 3120 Ancient Mediterranean World, 3 units
 HIST 3140 Medieval Europe, 3 units
 HIST 3210 Renaissance and Reformation, 3 units
 HIST 3220 Absolutism and Revolution 1598-1799, 3 units
 HIST 3230 Nineteenth Century Europe, 3 units
 HIST 3240 Twentieth Century Europe, 3 units

- HIST 3400 The Great Teachings, 3 units
 HIST 3510 Colonial Latin America, 3 units
 HIST 3520 Modern Latin American, 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, 1945 to the Present, 3 units
 HIST 3891 The Oriental Mind, 3 units
 HIST 3900 Arab-Islamic Civilization: Origins to the Present, 3 units
 HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
 HIST 4210 European Intellectual History: Renaissance to the Present, 3 units
 HIST 4300 History of Western Christianity, 3 units
 HIST 4310 Judaism and Jewish History: A Survey, 3 units
 HIST 4340 Modern Germany, 3 units
 HIST 4341 Hitler and the Nazi Era, 3 units
 HIST 4350 English Culture to 1603, 3 units
 HIST 4360 British Culture, 1603 to the Present, 3 units
 HIST 4420 Russia to 1917, 3 units
 HIST 4430 Twentieth-Century Russia, 3 units
 HIST 4440 Western Science and Society Since Copernicus, 3 units
 HIST 4500 History of Mexico, 3 units
 HIST 4510 The United States and Latin America, 3 units
 HIST 4600 United States Diplomatic History, 3 units
 HIST 4800 Modern China, 3 units
 HIST 4840 Modern Japan, 3 units
 HIST 4850 China and the United States, 3 units
 HIST 4860 Novels on African Societies, 4 units
 HIST 4980 Individual Study, 1-4 units

Political Science

- PSCI 3400 Introduction to Comparative Politics, 3 units
 PSCI 3410 Comparative Politics: Latin America, 4 units
 PSCI 3430 Comparative Politics: Middle East, 3 units
 PSCI 3444 Gender and Sexuality in the Middle East, 4 units
 PSCI 3450 Comparative Politics: Eastern Europe, 3 units
 PSCI 3470 Comparative Politics: Asia, 3 units
 PSCI 3600 International Relations, 4 units
 PSCI 4318 Environmental Policy and Politics, 4 units
 PSCI 4500 The Politics of World Hunger, 4 units
 PSCI 4630 International Politics of Industrial Societies, 3 units
 PSCI 4640 Foreign Policy Issues, 3 units
 PSCI 4650 International Relations: Model United Nations and Arab League, 3 units
 PSCI 4654 Politics of the Arab-Israeli Conflict, 4 units
 PSCI 4680 U.S.-Latin American Relations, 4 units
 PSCI 4980 Individual Study, 1-4 units

Sociology

- SOCL 3200 Social Change, 3 units
 SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units
 SOCL 4400 Political Sociology, 3 units
 SOCL 4520 Personality and Society, 3 units
 SOCL 4800 Formal Organizations in Modern Society, 3 units
 SOCL 4980 Individual Study, 1-4 units

Concentration in Urban and Community Studies

The Urban and Community Studies Concentration is an undergraduate course of study for students who wish to investigate major problems which result from the growing complexity of our urban environment. Environmental, behavioral, and administrative aspects of urban areas are considered, along with useful techniques for studying urban problems.

Students who pursue this interdisciplinary program obtain a background for positions in a variety of governmental or voluntary agencies, as well as preparation for graduate training in such professional programs as public administration, urban or regional planning, social welfare, etc.

Internships for students in this concentration are available through the Departments of Politics and Public Administration, Sociology, and Anthropology/Geography. Students in the Urban and Community Studies concentration who wish to be considered for participation should contact the department for additional information.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the concentration (12-13 units):
 - a. SOCL 1010 Introduction to Sociology, 3 units
 - b. PSCI 1201 American Government, 3 units
 - c. ECON 2500 Principles of Macroeconomics, 3 units
 - d. Complete one of the following research methods courses:
 - CS 1000 Introduction to Computers, 3 units
 - GEOG 3751 Introduction to Computer Applications in Geography, 3 units
 - SOCL 3030 Research Methods, 4 units
 - SSCI 3010 Introduction to Social Science Methodology, 3 units
3. The following courses are recommended but not required:
 - GEOG 3700 Cartography, 3 units
 - GEOG 4750 Geographic Information Systems, 3 units
 - MATH 1600 Statistics, 4 units
 - SOCL 4030 Research Analysis, 4 units
4. Complete the Urban and Community Studies concentration as outlined below.
5. Completion of a minor is not required.

The Concentration (35 units minimum)

Complete the Urban and Community Studies Concentration as outlined below:

1. Urban Environment, 9-10 units
 - ANTH 4140 Urban Anthropology, 3 units
 - ECON 4600 Urban Economics, 3 units
 - GEOG 4350 Urban Geography, 4 units
2. Urban Behavior, 3 units
 - SOCL 3200 Social Change, 3 units

3. Urban Administration and Politics, 6-7 units
 - PSCI 3304 Introduction to Public Administration, 3 units
 - PSCI 4325 Land Use Planning, 3 units
 - PSCI 4330 Urban Politics, 4 units
4. Junior/Senior Research Topic — Complete four units in the form of two 2-unit courses in Individual Study (chosen from ANTH 4980, ECON 4980, ETHS 4980, GEOG 4980, HIST 4980, PSCI 4980, SOCL 4980), completing an interdisciplinary research paper or research project under the supervision of appropriate instructors from the two selected disciplines. The research topic must focus on an aspect of urbanism or community life in California. Students must have at least junior standing and at least 12 upper-division units in the concentration before registering for this program requirement. Both two-unit courses must be taken in the same semester.
5. SSCI 3000 Library Resources, 2 units
6. Complete the remainder of the required 35 units from the list below, or from courses not used in fulfilling the Urban Environment or Urban Behavior requirements above. Additional work beyond the minimum requirements for the concentration is highly recommended.
 - ECON 4540 Public Finance and Fiscal Policy, 3 units
 - ETHS 4200 The Minority Experience, 3 units
 - GEOG 3020 Human Ecology, 3 units
 - GEOG 3510 Geography of North America, 4 units
 - GEOG 3700 Cartography, 3 units
 - GEOG 4940 Internship in Geography, 1-6 units*
 - HIST 3640 Contemporary United States, 3 units
 - HIST 4680 Intellectual Life in the United States, 3 units
 - PSCI 3230 Political Parties and Interest Groups, 4 units
 - PSCI 3330 California Politics, 3 units
 - PSCI 4300 Organization Theory, 4 units
 - PSCI 4315 Public Policy Making, 3 units
 - PSCI 4600 Statistical Analysis for Politics, 4 units
 - PSCI 4940 Public Administration Internship, 3 units*
 - SOCL 3150 The Family, 3 units
 - SOCL 3200 Social Change, 3 units
 - SOCL 4030 Research Analysis, 4 units
 - SOCL 4790 Social Welfare Services, 3 units

Note: The Director of the Urban and Community Studies concentration may from time to time designate certain Winter Term or other courses as applicable to the concentration. See the Director for further information.

** Available only to students in departmental internship programs.*

Single Subject Matter Preparation Program in Social Sciences

The following is a program of courses for students who are planning to apply for admission to the Social Sciences single subject credential program at CSU Stanislaus. This program was approved in 1998 by the California Commission on Teacher Credentialing (CCTC) in Sacramento, and was first implemented at CSU Stanislaus in the fall of 1998. Other public or private universities, such as Chapman and National, also require this or an equivalent CCTC-approved teacher credential subject matter preparation program.

In addition to this or an equivalent credential subject matter preparation program, students must complete a bachelor's degree. Students completing the single subject matter preparation program are advised to major in Social Sciences with a concentration in History, Political Science, and Geography, as nearly all courses in the 38-unit Social Sciences major with the above concentration also count in this program. Students must maintain a grade point average of 2.85 to successfully complete the program.

Students have the option to take the Single Subject CSET (California Subject Examinations for Teachers). Those who pass do not need to complete this or any other credential preparation program to be accepted into a single subject credential program for social sciences. Exam fee, testing dates, and more information is available at the CSU Stanislaus Credential Processing Center in DBH 303, or by calling (209) 667-3534.

Students planning to complete this program must contact the Coordinator of Social Sciences for advisement and an evaluation of courses taken elsewhere that may satisfy requirements. The coordinator is also the officer who signs the final forms certifying to the Credential Processing Center that the student has satisfactorily completed the single subject matter preparation program and has met grade point average requirements.

Requirements (69-73 units)

The Core Curriculum

Economics

Complete both of the following or their equivalents:

ECON 2500 Principles of Macroeconomics, 3 units

ECON 2510 Principles of Microeconomics, 3 units

Complete one of the following:

ECON 3100 Economic History of the United States, 3 units (UDGE area F3)

ECON 3150 National Income Analysis, 3 units

ECON 4010 Economic Thought, 3 units

ECON 4335 Political Economy (WP), 4 units

Geography

a. World Geography

Complete two of the following or their equivalents:

GEOG 2400 World Regional Geography I: Europe and Asia, 3 units

GEOG 2410 World Regional Geography II: Africa, Australia and Latin America, 3 units

GEOG 3010 Cultural Geography, 3 units

b. American Geography

Complete one of the following (3 units):

GEOG 3510 Geography of North America, 3 units

GEOG 4610 Historical Geography of the United States, 3 units

History

a. World History

Complete both of the following or their equivalents:

HIST 1010 World Civilizations I, 3 units

HIST 1020 World Civilizations II, 3 units

b. American History

Complete all of the following or their equivalents:

HIST 3610 Colonial North America, 3 units

HIST 3620 Early National United States, 3 units

HIST 3630 U.S. Reconstruction Through World War II, 3 units

HIST 3640 Contemporary United States, 3 units

Political Science

United States Government and Politics

a. Complete the following or its equivalent:

PSCI 1201 American Government, 3 units

b. Complete one of the following on citizenship:

PSCI 3220 Constitutional Law, 3 units

PSCI 3225 Civil Liberties, 4 units

c. Complete one of the following on American National Politics:

PSCI 3210 Legislative Process, 3 units

PSCI 3235 Political Campaigns and Elections, 3 units

PSCI 3320 Executive Legislative Relations, 3 units

PSCI 4230 The Presidency, 3 units

State of California Perspective

Complete two of the following or their equivalents:

PSCI 3330 California Politics, 3 units

GEOG 3340 California Cultures and Environments, 3 units

HIST 4670 California History, 3 units

Behavioral Studies

Complete one of the following or the equivalent:

SOCL 1010 Introduction to Sociology, 3 units

ANTH 2060 Introduction to Cultural Anthropology, 3 units

PSYC 2010 Introduction to Psychology, 3 units

PSYC 3240 Human Development II: Adolescence, 3 units (required for credential)

Note: See the Coordinator of Social Sciences for other courses that may satisfy the Behavioral Studies requirement.

Social Sciences

Complete the following on the teaching of history and social sciences:

SSCI 4961 Teaching Social Studies, 3 units

Breadth and Perspectives Curriculum

Ethical Perspectives

Complete one of the following, or its equivalent:

HIST 3400 The Great Teachings, 3 units

ANTH 4150 Anthropology of Religion, 4 units

PHIL 3400 Ethics (WP), 3 units

American Ethnic and Gender Studies

Complete one of the following:

ANTH 3000 Anthropology and Global Issues, 3 units

COMM 4160 Intercultural Communications, 3 units

EDUC 4200 Cultural Diversity and the Classroom, 3 units
(required for credential)

ETHS 4200 The Minority Experience, 3 units (required for CLAD Credential)
(UDGE areas F3 and G)

ETHS 4350 Multiculturalism: From Bias to Reality, 3 units

HIST 3680 Gender in United States History, 3 units
 HIST 3720 United States Ethnic and Immigrant Past, 3 units
 HIST 4710 Mexican American History, 3 units
 PSCI 3700 Ethnic and Gender Politics, 3 units
 PSCI 4311 Women in American Law, 3 units
 SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units
 SOCL 4010 Race and Ethnic Relations, 3 units

World and Regional Studies

Complete two of the following:

ECON 4050 Comparative Economic Systems, 3 units
 ECON 4401 Third World Economics, 3 units
 ECON 4415 International Economics, 3 units
 ECON 4455 U. S. and World Trade, 3 units
 GEOG 3020 Human Ecology, 3 units
 GEOG 3550 Geography of Europe, 3 units
 GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 3 units
 HIST 3090 Contemporary World History, 3 units
 HIST 3120 Ancient Mediterranean World, 3 units
 HIST 3140 Medieval Europe, 3 units
 HIST 3210 Renaissance and Reformation, 3 units
 HIST 3220 Absolutism and Revolution, 1598-1799, 3 units
 HIST 3230 Nineteenth Century Europe, 3 units
 HIST 3240 Twentieth Century Europe, 3 units
 HIST 3520 Modern Latin America, 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, 1945 to Present, 3 units
 HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
 PSCI 3410 Comparative Politics: Latin America, 4 units
 PSCI 3430 Comparative Politics: Middle East, 3 units
 PSCI 3600 International Relations, 4 units
 PSCI 4640 Foreign Policy Issues, 3 units

Course Descriptions

SSCI 3005 Research and Information Literacy (2 units)

(Formerly SSCI 3000) (Same as MDIS 3005) Introduction to research. Strategies for effectively finding, evaluating, and integrating information into research assignments in a changing information environment. Designed to be taken in conjunction with another course requiring research.

SSCI 3010 Introduction to the Social Science Methodology (3 units)

A general introduction to the different types of methodologies used by the various social science disciplines. An important part of the course will be to read and critique representative works of social science research in the student's areas of interest.

SSCI 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of department coordinator.

SSCI 4960 Social Sciences Interdisciplinary Seminar (3 units)

Discussions and papers based on concepts, theories, information, and techniques from several social science disciplines. Prerequisites: Completion of SSCI 3000 and seven other upper-division courses in the major. (Fall, Spring)

SSCI 4961 Teaching Social Studies (3 units)

Designed for students who intend to become junior or senior high school teachers. Students will learn a variety of exciting strategies and techniques for teaching history, government, and politics. Prerequisite: Junior standing.

Bachelor of Arts in Sociology

Sociology is the scientific study of human social interaction and institutions. From its origin in nineteenth-century industrializing Europe, sociology developed as a methodologically rigorous, empirically based analysis of social structure.

The study of Sociology provides students with a rewarding academic experience as well as a variety of career possibilities. Recent graduates of the department have applied their training to enter prestigious graduate schools or to obtain entry-level management and administrative positions with such varied organizations as large and small businesses; criminal justice agencies; child welfare organizations; local welfare and mental health departments, the criminal courts, and social service agencies.

The pivotal sociological concept, social structure, rests on the observation that something exists in society more than simply the sum of individuals. As humans interact, they create social structure — a real “thing,” not directly visible but nevertheless observable in its consequences. The concept of social structure denotes interaction networks, social organization, and power relationships. Social structure is essential to understanding human life inasmuch as it shapes humans' options, actual choices and resultant biographies.

What often appear to, and are taken for granted by, the non-sociological eye simply as personal troubles are in fact the result of social structural tensions. From the sociological perspective, effecting change necessarily involves understanding social structure.

Sociology majors receive a strong grounding in traditional and contemporary social theory, methods of conducting social research, and techniques of analyzing social data. Students can select elective courses from areas including social institutions such as the family, religion, and medicine, and social processes such as social change, social deviance, personality and society, and drug use.

The Human Services concentration applies sociological theory and methods to human services issues, providing a conceptual framework for students considering careers in human service areas and for those planning to enter graduate social work programs. The concentration also allows students to examine institutions such as the family with reference to issues such as current social welfare programs, alcoholism, and mental health.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following courses (3 units minimum):
SOCL 1010 Introduction to Sociology, 3 units
Note: MATH 1600 (Statistics), 4 units, is recommended.
3. Complete the major of not less than 36 upper-division units in sociology, of which no more than 8 units of CR-graded coursework in courses graded exclusively CR/NC may apply toward the major. Maintain an average grade point average of 2.0 and a grade of C or better in core courses (SOCL 3000, SOCL 3030, SOCL 3310, SOCL 3400, SOCL 4030).
4. Completion of a minor is not required.

The Major (36-38 units)

1. Complete the following courses (20 units):
SOCL 3000 Classical Theory, 4 units
SOCL 3030 Research Methods, 4 units
SOCL 3310 Social Inequalities (WP), 4 units
SOCL 3400 Contemporary Theory, 4 units
SOCL 4030 Research Analysis, 4 units
2. Select one of the following concentrations:
 - a. General Major (18 units)
 - i. SOCL 4960 Senior Seminar, 4 units
 - ii. Select 14 units of upper-division Sociology electives
 - b. Human Services (18 units)
 - i. SOCL 4790 Social Welfare Services, 3 units
SOCL 4800 Formal Organization in Modern Society, 3 units
SOCL 4940 Sociological Internship, 6 units
 - ii. Select two courses from the following:
SOCL 3160 Sociology of Youth, 3 units
SOCL 4010 Race and Ethnic Relations, 3 units
SOCL 4700 Medical Sociology, 3 units
SOCL 4710 Sociology of Aging, 3 units
SOCL 4720 Sociology of Death, 3 units
SOCL 4740 Sociology of Mental Health, 3 units
 - c. Drug and Alcohol Studies (18-19 units)
 - i. SOCL 4700 Medical Sociology, 3 units
SOCL 4730 Alcohol and Alcoholism, 3 units
SOCL 4740 Sociology of Mental Health, 3 units
SOCL 4750 Sociology of Drug Use, 3 units
SOCL 4940 Sociological Internship, 3 units

- ii. Select one course from the following:
SOCL 3130 Juvenile Delinquency, 3 units
SOCL 3240 Social Deviance, 3 units
SOCL 3630 Tenderloin Lifestyles, 4 units
- d. Social Deviance and Criminology (16-18 units)
 - i. SOCL 3120 Criminology, 3 units
 - ii. SOCL 4960 Senior Seminar, 4 units
 - iii. Select three courses from the following:
SOCL 3130 Juvenile Delinquency, 3 units
SOCL 3240 Social Deviance, 3 units
SOCL 3630 Tenderloin Lifestyles, 4 units
SOCL 4170 Victimology, 3 units
SOCL 4190 Treatment of the Offender, 3 units
SOCL 4920 Nutrition and Criminal Behavior, 4 units
- e. Social Inequality (16-17 units)
 - i. SOCL 3600 Gender and Power, 3 units
 - ii. SOCL 4010 Race and Ethnic Relations, 3 units
 - iii. SOCL 4940 Sociological Internship, 3 units
 - iv. SOCL 4960 Senior Seminar, 4 units
 - v. Select one course from the following:
SOCL 3200 Social Change, 3 units
SOCL 3320 The Sociology of Men and Society, 3 units
SOCL 3160 Sociology of Youth, 3 units
SOCL 3530 Self and Social Behavior, 4 units
- f. The Body, Culture, and Society (16-17 units)
 - i. SOCL 3810 Body Image and Society, 3 units
 - ii. SOCL 3820 Food and Culture in a Global Society, 3 units **or**
HLTH 3100 Foods and Nutrition, 3 units
 - iii. SOCL 3830 Thin and Fat: The Sociology of Eating Disorders, 3 units
 - iv. SOCL 4960 Senior Seminar, 4 units
 - v. Select one of the following:
SOCL 3180 Sociology of Film, 3 units
SOCL 3200 Social Change, 3 units
SOCL 3320 The Sociology of Men and Society, 3 units
SOCL 3600 Gender and Power, 4 units
SOCL 4200 Pornography and Human Sexuality, 3 units

Minor in Gerontology

Walter E. Doraz, Ph.D., *Coordinator*

Office: Bizzini Hall 213
Phone: (209) 667-3408

The Gerontology Minor is housed in the Department of Sociology. Gerontology is the study of aging with particular focus on the latter part of the life cycle. Housed within the Sociology program, Gerontology is an interdisciplinary minor open to students in any major. The minor's primary objective is to examine biological-physiological, sociological-psychological, economic-political, and related health and cultural processes as they contribute to understanding human aging. This option is designed to serve individuals majoring in social sciences and health professions, people currently working for organizations serving the aging, and all persons interested in gaining greater insight into the problems and opportunities associated with aging.

Requirements (18 units)

1. Complete the following required courses (12 units):
COMM 4130 Communication and Aging, 3 units
PSYC 3340 Human Development III: Adulthood and Aging, 3 units
SOCL 4000 Introduction to Gerontology, 3 units
SOCL 4710 Sociology of Aging, 3 units
2. Select one elective course each from areas a and b below (6 units):
 - a. ETHS 4000 The Mexican American Family, 3 units
ETHS 4010 The African American Family, 3 units
SOCL 3150 The Family, 3 units
 - b. COMM 4060 Family Communication, 3 units
COMM 4180 Health Communication, 3 units
SOCL 4700 Medical Sociology, 3 units
SOCL 4720 Sociology of Death, 3 units
SOCL 4730 Alcohol and Alcoholism, 3 units

Note: It is strongly recommended that students complete an internship or immersion program in their major which complements their interest in gerontology.

Minor in Sociology

1. Complete the following (20 units):
SOCL 1010 Introduction to Sociology, 3 units
SOCL 3000 Classical Theory, 4 units
SOCL 3030 Research Methods, 4 units,
2. Select 9 units of upper-division electives approved by the adviser.

Liberal Studies Concentration in Sociology

Please refer to the Liberal Studies section of the catalog.

Social Sciences Concentration in Sociology

Please refer to the Social Sciences program section of the catalog.

Teaching Credentials

Majors in Sociology interested in a Social Sciences Subject Matter Preparation Program credential should review the Social Sciences waiver described in the Social Sciences section of this catalog. Please refer to the Teacher Education section of the Graduate Catalog for a description of other requirements to be completed for the Single Subject Credential.

Learning Objectives

- Achieve knowledge competency in sociology.
- Understand the sociohistorical and theoretical groundings of sociology as a field of study and practice.
- Understand the reasoning process involved in theoretical construction.
- Develop facility for critical thinking, with the ability to separate fact from fallacy, myth from reality.
- Learn to methodologically analyze the complexity of society and social structure, particularly questions of social control and power relations.
- Learn analytical skills and research methodologies, including statistical computer applications, appropriate to the practice of sociology methodologically.
- Develop and apply a sociological perspective professionally and as an active participant in society.
- Develop the capacity to apply concepts and theories of sociology to relevant social policy.
- Communicate effectively in both written and oral form.
- Develop the ability to apply a sociological imagination to one's personal life.

Course Descriptions

Lower Division

SOCL 1010 Introduction to Sociology (3 units)

Basic concepts and perspectives in sociological analysis. Prerequisite to other Sociology courses. Satisfies G.E. area D2. (CAN SOC 2) (Fall, Spring)

SOCL 2000 Intergenerational Experiences and Life Course Developments (3 units)

Provides students with the background for understanding life span development of the "self" and "others" as integrated social, psychological, and physiological beings. Specifically, focuses on cross-generational experiences encompassing post-adolescence, young adulthood, middle age, and the latter part of the life cycle. Attention will be given to special demographics, socialization patterns, role changes, interaction patterns, stereotypes, environmental influences, and critical life events. Satisfies G.E. area E1. (Fall, Spring)

SOCL 2010 Sociology of Sexual Behavior (3 units)

(Same as GEND 2010) Examines a variety of approaches to understanding sexual behavior. Typical patterns of sexual interactions will be contrasted with deviant sex styles. Presents a wide range of conflicting viewpoints on some of the most controversial issues today including abortion, sex education, and HIV/AIDS. Prerequisite: SOCL 1010. (Fall)

SOCL 2240 Social Problems (3 units)

Factual and evaluative considerations in the definitions, explanation, and resolution of social problems. Critical analysis of current approaches to social problems focusing on procedures and fallacies in thinking in society.

Upper Division**SOCL 3000 Classical Theory (4 units)**

The emergence of sociology from social philosophy and the historical development of sociological thought. Corequisite: SOCL 3003. Prerequisite: SOCL 1010 or consent of instructor. (Lecture, 3 hours; activity, 2 hours) (Fall)

SOCL 3030 Research Methods (4 units)

Introduction to research design and methodology in Sociology: theory, implications of theoretical framework, hypothesis formation, conceptualization and measurement of sociological variables, research process, research designs, methods of data collection, sampling procedures, and written reports. Corequisite: SOCL 3033. Prerequisite: SOCL 1010 or equivalent. (Lecture, 3 hours; activity, 2 hours) (Fall)

SOCL 3040 Qualitative Methods (4 units)

Theories and practices of inductive, qualitative research methods in Sociology. Recognition of the value of methodological triangulation in social research. Discussion of the benefits and drawbacks of qualitative research, compared with those of quantitative research. Analysis and practice of various qualitative data-gathering and analysis techniques such as unstructured interviewing, participant observation/field research, content analysis, and developing grounded theory. Students explore methodological and ethical issues involved in all social research, with particular attention to those peculiar to qualitative research such as gaining entrance, developing rapport, maintaining respondents' anonymity, demand characteristics, and debriefing. Prerequisite: SOCL 1010.

SOCL 3120 Criminology (3 units)

(Formerly SOCL 4121) Analysis of the types and incidence of crime in America in contrast with other cultures. Comparison of the various sociological, psychological, and biological causes of crime. Prerequisite: SOCL 1010 or consent of instructor. (Fall)

SOCL 3130 Juvenile Delinquency (3 units)

(Formerly SOCL 4122) Covers the historical development of the juvenile justice system including courts, delinquency treatment, and social policies toward delinquency. Analysis of types and incidence of delinquency, as well as the major sociological forces which are linked to delinquency, i.e., family problems, poverty, racism, unemployment, school failure, juvenile gangs, and health problems. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 3150 The Family (3 units)

Social structure and changing functions of the modern family. Relationship of family to other social institutions. Family roles and interaction. Satisfies G.E. area F3. Prerequisite: SOCL 1010 or consent of instructor. (Fall, Winter, Spring)

SOCL 3160 Sociology of Youth (3 units)

Sociological analysis of the development of self and the socialization of the child and youth in sex and age roles. Prerequisite: SOCL 1010.

SOCL 3170 Sociology of Sex Roles (3 units)

Primarily analyzes the differences in women's and men's roles in the U.S. today. Major issues addressed include sex role socialization, the media's portrayal of sex roles, differences in gender roles in the workplace, and interpersonal dynamics involved in friendships between members of the opposite sex. Also traces historical and contemporary developments in women's and men's liberation movements. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 3180 Sociology of Film (3 units)

A look at the complex interaction of films produced in society and how films influence our society. Current day topics and issues will be explored through American and foreign media productions. Objective of this course is to give students a critical understanding of the influence of films in all aspects of American life. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3200 Social Change (3 units)

Sociology and social change, types and problems of change, factors in rate and direction of change, classic and modern theoretical analysis of social change. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3240 Social Deviance (3 units)

(Formerly SOCL 4240) The study of social behaviors which differ from the norm or expected behavior. Focus is on the reaction of segments of society to these behaviors; i.e., the process by which some behavior is ignored, other behaviors generate social sanctions, and certain behaviors are criminal. Review of the social benefits and function of deviance, as well as the conflict between those social forces which disagree on the proper response to deviant behavior. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3250 Social Issues in Cross-Cultural Perspective (3 units)

Focus on major issues relevant to at least two cultures chosen for in-depth study. The main issues addressed will include poverty, pollution, and educational equality. Other topics that students may choose to study involve children's socialization patterns, health or sexual practices, and the use and impact of the mass media in at least two cultures. Features field experiences to give students experimental knowledge. Satisfies G.E. area G. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3310 Social Inequalities (WP) (4 units)

(Previously Social Stratification) Causes and consequences of socially structured inequalities including socioeconomic class, gender, and body image; focuses on U.S. society within the context of globalization. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score.

SOCL 3320 The Sociology of Men and Society (3 units)

(Same as GEND 3320) A review of existing research and issues related to the social construction of diverse masculinities in contemporary societies. An emphasis on topics such as violence, sexualities, work, families, men's associations, and health. Satisfies G.E. area G.

SOCL 3330 Social Organization in a Traditional Society (3 units)

Examines the social organization of a traditional society (the Alaska natives) in contrast to the social organization of modern, industrialized, urban societies. Roles, statuses, kinship, and social institutions are investigated as integrative within society. This comparative and contrasting approach provides both the Sociology major and non-sociology majors a broad-based perspective in viewing contemporary society. Prerequisite: SOCL 1010 or consent of instructor. (Winter)

SOCL 3400 Contemporary Theory (4 units)

Major contributions to systematic sociological theory. Critical analysis of selected works from Comte, Pareto, Weber, Durkheim, Sorokin, Parsons, and other classical and contemporary sociologists. Prerequisite: SOCL 3000 or consent of instructor. (Spring)

SOCL 3430 Population, Resources, and the American Future (4 units)

Is population a problem in contemporary America? An examination of the effects of rapid population growth and its relationship to the rapid depletion of renewable and nonrenewable resources both now and in the future. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3500 Sociology of Poverty and Hunger (3 units)

Causes and consequences of hunger and homelessness in the U.S. with emphasis on the Central Valley. In a service learning capacity, students work with community agencies that serve and advocate for the homeless.

SOCL 3530 Self and Social Behavior (4 units)

Examines the social underpinnings which contribute to the development of the self. A seminar and an activity in which students keep a journal, engage in self observation and reflections, and make observations of others (especially significant others). As a seminar, students will be expected to exchange and examine ideas about the self from a theoretical as well as an experiential framework. Corequisite: SOCL 3533. Prerequisite: SOCL 1010 or consent of instructor. (Lecture, 2 hours; activity, 4 hours)

SOCL 3600 Gender and Power (4 units)

(Formerly Sex Roles and Power) Causes and consequences of gender relations in society and among individuals, with emphasis on power and gender-related inequalities. Focuses on the United States with examples from other societies and cultures.

SOCL 3630 Tenderloin Lifestyles (4 units)

Allows students to observe and apply directly the concepts of social deviance by staying for a week in San Francisco's Tenderloin or vice area. Class sessions will consist of a review of these concepts and preparation for the field study. Corequisite: SOCL 3633. Prerequisite: Consent of instructor. (Lecture, 2 hours; activity, 4 hours) (Winter)

SOCL 3650 Sociology of Popular Culture (3 units)

Examines U.S. society's dominant cultural values and beliefs regarding meritocracy and class, race, and gendered stratification as reflected in animated films, major carriers of popular culture. Prerequisite: SOCL 1010 or consent of instructor. (Winter)

SOCL 3700 Sociology of Education (3 units)

Classrooms reflect local community social dynamics. Analyzes the relationship between school and local community from a sociological framework and provides methods, concepts, and theories to examine school/community interrelationships. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

SOCL 3810 Body Image and Society (3 units)

Course examines the culture of beauty, body image, and various ways in which the human body is objectified/commodified. Issues addressed may include, but are not limited to, the following: race/ethnic, gender, and social class dynamics regarding body image; the social construction of beauty and resultant inequalities; plastic surgery; body disfigurement, both voluntary (tattooing, piercing) and involuntary; the Americanization of body image and beauty standards worldwide. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 3820 Food and Culture in a Global Society (3 units)

Course provides students with an understanding of the relationship between food and society. Topics include ecological constraints and possibilities; food production, processing, consumption, and distribution; food as symbolic representations of status and power; and food taboos. The relationship between environment, technology, and social organization is developed as it relates to food. The globalization of the agribusiness and food processing and distribution industries is explored. Satisfies G.E. areas F3 and G.

SOCL 3830 Thin and Fat: The Sociology of Eating Disorders (3 units)

Course examines American eating behaviors; race/ethnic, gender, and social class dynamics regarding weight; and various eating disorders, primarily in the United States and other developed countries. Topics include over-eating and obesity, bulimia and anorexia, as well as the social construction of appropriate body weight, the stigmatization of obesity, analysis of the diet and recovery industry, and the media's role in shaping perceptions of body image.

SOCL 3900 Sociological Colloquium (1-2 units)

Depending on the instructor, the colloquium will focus on specific areas of sociological concern, including an analysis of deviance, stratification, race, sex roles, population, religion, etc. May be repeated for a maximum of 4 units. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4000 Introduction to Gerontology (3 units)

(Formerly MDIS 3000, MDIS 4000) A broad overview of the current concepts, issues, and processes associated with human aging and the latter part of the life cycle. Prerequisite: Junior, senior, or graduate standing. (Offered alternate years)

SOCL 4010 Race and Ethnic Relations (3 units)

Sociological analysis of minority group relations; attention to specific racial, ethnic, and religious minorities. Satisfies G.E. area G. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4020 Sociology of Small Group Dynamics (3 units)

Structure and processes of small human groups, theory, research methods, and empirical findings. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4030 Research Analysis (4 units)

Social measurement, data analysis and interpretation, formulation of research designs, and application of research techniques. Includes understanding and performing basic research. Corequisite: SOCL 4032. Prerequisite: SOCL 3030. (Lecture, 3 hours; laboratory, 2 hours) (Spring)

SOCL 4170 Victimology (3 units)

Analysis of historical and contemporary theories and research on victims, victim compensation programs, spouse and child abuse programs, and community responses to crime. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 4190 Treatment of the Offender (3 units)

Examination of counseling theories such as behavior modification, contingency contracting, transactual analysis, psychoanalysis, labeling theory, and humanistic psychology as they apply to community-based and institutional programs. Also reviews the content and structure of specific techniques which have been successful in reducing crime such as family intervention; drug, nutrition, and alcohol counseling; and job skill programs. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 4200 Pornography and Human Sexuality (3 units)

What is pornography? What does pornography tell us about modern societies, the family, and the individual? Is it harmful? Is it necessary? How can it be controlled? What would a society without pornography be like? Selected readings and literary rendering will be the source of ideas, answers, and other questions. Prerequisite: SOCL 1010 or consent of instructor. (Fall, Spring)

SOCL 4230 Sociology of Religion (3 units)

Acquaints students with basic knowledge of religion in society. Explores the basic theories, concepts, and research in sociology. Examines religion and the basic institutions of society.

SOCL 4400 Political Sociology (3 units)

Sociological bases of political attitudes and behavior. Theory and research dealing with political socialization, voting behavior, legitimacy, and authority. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4520 Personality and Society (3 units)

Relations between personality, social structure, and culture. Primary emphasis on roles, socialization, aggression, affiliation, leadership, and norms. Satisfies G.E. area F3. Prerequisite: SOCL 1010 or consent of instructor. (Fall, Spring)

SOCL 4700 Medical Sociology (3 units)

The social causes and consequences of illness in contemporary American society will be explored along with traditional and unique approaches to treating the sick. In addition, factors that prohibit equal access to medical care facilities will be examined. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4710 Sociology of Aging (3 units)

Examination of the dynamics and processes of aging; social and psychological aspects of aging, including attitudes toward the aged. Sociological, social-psychological, and biological theories of the aging process will be explored; social programs for the elderly will be examined. Prerequisite: SOCL 1010 or consent of instructor. (Fall)

SOCL 4720 Sociology of Death (3 units)

Social and institutional factors involved in death, death-related behaviors, attitudes toward death, and institutional influences on the death process. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 4730 Alcohol and Alcoholism (3 units)

An overview of alcoholism and alcohol abuse as a social, economic, and individual problem. Review of exploratory models, symptomatic behavioral indicators, and methods of intervention. Prerequisite: SOCL 1010 or consent of instructor. (Fall)

SOCL 4740 Sociology of Mental Health (3 units)

Students will identify community-based programs for treatment and prevention of mental illness. They will develop knowledge and understanding of the importance of sociological variables in identifying mental health. Prerequisite: SOCL 1010 or consent of instructor. (Spring)

SOCL 4750 Sociology of Drug Use (3 units)

Familiarizes the student with the major sociological theories about drug use and the research investigating the theories' claims. Also, discussion of research on issues in the field of drugs such as the social control efforts and drugs, the effects on both legal and illegal drugs, and the typical users of the various drugs. Prerequisite: SOCL 1010 or consent of instructor. (Fall)

SOCL 4790 Social Welfare Services (3 units)

Historical development of welfare services; analysis of the structure, policies, and issues of public and private welfare services. Prerequisite: SOCL 1010 or consent of instructor. (Fall, Spring)

SOCL 4800 Formal Organizations in Modern Society (3 units)

Analysis of modern bureaucratic organizations and their place in American society. Corporate deviance, organizational change, and contemporary bureaucratic influences on American society will be stressed. Past and present theories of bureaucratic organizations will be examined. Prerequisite: SOCL 1010 or equivalent or consent of instructor. (Fall, Spring)

479 COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

SOCL 4810 Urban Sociology (3 units)

The urban concept: origin and development of urban areas; effects of urbanization, social institutions, and social relations; research methods applied to urban life and form. Prerequisite: SOCL 1010 or consent of instructor.

SOCL 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and department Co-op coordinator. May be repeated for a total of 8 units depending upon the department policy. Prerequisites: Sophomore standing; consent of departmental coordinator. (Fall, Winter, Spring)

SOCL 4920 Nutrition and Criminal Behavior (4 units)

Examines the theories and evidence which show a relationship between diet and behavior. Various diet therapies will be discussed in terms of whether or not they work and why. The laboratory will include analysis of the student's eating patterns to determine actual nutrient consumption. Corequisite: SOCL 4923. Prerequisite: SOCL 1010 or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Spring)

SOCL 4940 Sociological Internship (3-6 units)

Supervised experience relevant to specific aspects of sociology. Intensive field placement in an appropriate agency or organization. Individual meetings and written reports. Each student will be placed in an agency for 10 hours (3 units) to 20 hours (6 units) per week. Course may be repeated for a total of 6 units. Course may be repeated for a total of 6 units. Prerequisites: SOCL 4800 and consent of instructor. (Fall, Spring)

SOCL 4941 Fieldwork in Sociology (1-6 units)

Introduces the student to applied fieldwork experience in Sociology. Under the supervision of a Sociology professor, students will apply methodological field research techniques (e.g. oral interviews, participant observation, administration of questionnaires or interview schedules, and the use of unobtrusive measures). Emphasis is on learning practical application and on guidance and mentoring from professional sociologists. (Fall, Winter, Spring)

SOCL 4950 Selected Topics in Sociology (1-5 units)

(Topics to be specified in Class Schedule) Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

SOCL 4960 Senior Seminar (4 units)

Research, review, and discussion of the contemporary issues facing Sociology. Each student prepares an individual report. Prerequisite: Sociology major, senior status, or consent of instructor. (Spring)

SOCL 4980 Individual Study (1-4 units)

For students capable of independent work at an advanced level. may be repeated up to 6 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

College of Natural Sciences

Roger McNeil, Ph.D., *Dean*

Office: Naraghi Hall of Science — N370
Phone: (209) 667-3153

Thomas J. Carter, Ph.D., *Chair, Department of Computer Science and
Program Director, Cognitive Studies*

Mark Grobner, Ph.D., *Chair, Department of Biological Sciences*

Ian Littlewood, Ph.D., *Chair, Department of Physics, Physical Sciences, and Geology*

Shane Phillips, Ph.D., *Chair, Department of Chemistry*

Viji Sundar, Ph.D., *Chair, Department of Mathematics*

Horacio Ferriz, Ph.D., *Program Director, Geology*

Marvin Johnson, Ph.D., *Program Director, Joint Engineering Program*

(vacant), *Program Director, Environmental Sciences*

Pam Roe, Ph.D., *Program Director, Marine Sciences*

In Spring 2006, California State University, Stanislaus created the College of Natural Sciences, composed of the departments of Biological Sciences; Chemistry; Computer Science; Mathematics; and Physics, Physical Sciences, and Geology. The College of Natural Sciences establishes a scientific community dedicated to providing students the intellectual and technological capacity to contribute to and succeed in their academic and scientific pursuits. It seeks to educate students through quality instruction, experiential learning, research and internship opportunities, and strong academic advisement.

Graduates in the academic disciplines within the College of Natural Sciences possess the analytical, problem-solving, and technical skills that are critical to their success in finding, evaluating, and contributing to the body of knowledge in their field, teaching in many arenas and contributing to the well-being of their communities.



Cognitive Studies ProgramThomas J. Carter, Ph.D., *Program Director***Core Faculty:** Carter (Computer Science), Tuedio (Philosophy),
Myers, L. (Psychology), Wakefield (Psychology)**Adjunct Faculty:** Campbell (Accounting), Stanislaw (Psychology),
Flores (Teacher Education), Taniguchi (History),
Lindsay (Accounting), Wink (Teacher Education),
Savini (Art), Strongin (Psychology)Office: DBH 287
Phone: (209) 667-3815**Bachelor of Arts in Cognitive Studies
Minor in Cognitive Studies**

The Cognitive Studies degree program offers an integrative approach to the study of human consciousness and cognitive processing. This interdisciplinary and multidisciplinary program draws from fields including Philosophy, Computer Science, Psychology, Neuroscience, Linguistics, Art, Biology, and Physics. Cognitive Studies emphasizes strategies for investigating how real (biological) and artificial (computational) brains individually and cooperatively solve problems, form concepts, process language, interpret visual and other sensory input, and develop understandings of the world. Students in the program will examine traditional approaches to understanding the mind, with a strong emphasis on philosophical, psychological, and physiological approaches.

The degree program includes integrative courses at the introductory and advanced levels that draw from, consolidate, and expand the material students have learned in coursework from the various contributing disciplines. Central themes include the view of consciousness as an information processing system, how consciousness arises from basic physiological processes, the emergence of patterns and adaptive pattern-recognition, and nonlinear dynamical methods for modeling complex systems. Focus is on the use of language, symbols, and images for representing, manipulating, and communicating knowledge. Students are encouraged to examine issues associated with human/machine interfaces, and will explore basic processes of memory and decision, the relation of thought to action, and recent advances in machine intelligence.

Adequate investigations of these phenomena require a synthesis of skills, methods, and knowledge, and depend on considerable facility with information technology tools and systems. Thus, in addition to their broad-based conceptual analysis of intelligent systems, students will be trained in a diversity of scientific methods and techniques, including rigorous quantitative analysis and effective computer simulations. The program will help students develop strong skills in using, understanding, and evaluating information technologies such as Internet resources and database systems. Students will develop strong communication skills, and the ability to present and convey information clearly and effectively orally, in writing, and in Internet-based presentations.

The graduate in Cognitive Studies will be prepared for work in fields requiring strong interdisciplinary problem-solving skills and depending on contemporary information technologies. Students also will be prepared for entry into graduate programs in Cognitive Science or related fields.

Bachelor of Arts in Cognitive Studies**Requirements**

1. Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (22 units):
BIOL 1010 Principles of Biology, 3 units
COGS 2100 Introduction to Cognitive Studies, 3 units
COGS 2300 Scientific Methods, Models, and Simulations, 3 units
MATH 1600 Statistics, 4 units **or**
MATH 1620 Probability and Statistics, 4 units
PHIL 2100 Logic, 3 units
PHIL 2230 Modern Philosophy, 3 units
PSYC 2010 Introduction to Psychology, 3 units
3. Complete the major of 31 units, as approved by the major adviser.

The Major (31 units)

1. Required courses (22 units):
COGS/CS 3150 Nonlinear Systems and Chaos, 3 units
COGS 4100 Philosophical Aspects of Cognitive Science, 3 units
COGS 4960 Seminar in Cognitive Studies, 3 units
ENGL 3750 Introduction to Linguistic Theory, 4 units
PHIL 3500 Philosophy of Mind (W/P), 3 units
PSYC 3100 Introduction to Physiological Psychology, 3 units
PSYC 4400 Cognitive Processes, 3 units
 2. Electives (9 units in consultation with adviser/coordinator)
*BIOL 3350 Introductory Genetics, 3 units
*CDEV 3170 Early Cognitive Development, 3 units
*COGS 3100 Communication Networks, 3 units
COGS/PSYC 4440 Psychology of Workplace Performance, 3 units
COGS/PSYC 4700 Intelligence, 3 units
COGS 4960 Seminar in Cognitive Science, 3 units (may be repeated for elective credit)
*CS 4410 Automata, Computability, and Formal Languages, 3 units
*CS 4450 Coding and Information Theory, 3 units
*CS 4480 Artificial Intelligence, 3 units
PHIL 4150 Cognitive Phenomenology, 3 units
PHIL 4260 Twentieth Century Philosophy, 3 units
PHIL 4300 Philosophy of Language, 3 units
*PSYC 3400 Introduction to Perception, 3 units
- *Indicates prerequisites beyond those to the major. Other courses may be approved by major adviser.*

Minor in Cognitive Studies

Requirements (18 units)

1. Required courses (12 units):
 - COGS 2100 Introduction to Cognitive Studies, 3 units
 - COGS 4100 Philosophical Aspects of Cognitive Science, 3 units
 - PSYC 2010 Introduction to Psychology, 3 units, **or**
 - PSYC 2020 Introduction of Psychological Methods, 3 units
 - PSYC 4400 Cognitive Processes, 3 units
 2. Electives (6 units chosen from the following)
 - *BIOL 3350 Introductory Genetics, 3 units
 - *CDEV 3170 Early Cognitive Development, 3 units
 - COGS 2300 Scientific Methods, Models, and Simulations, 3 units
 - *COGS 3100 Communication Networks, 3 units
 - COGS/PSYC 4440 Psychology of Workplace Performance, 3 units
 - COGS/PSYC 4700 Intelligence, 3 units
 - COGS/CS 3150 Nonlinear Systems and Chaos, 3 units
 - COGS 4960 Seminar in Cognitive Science, 3 units
(may be repeated for elective credit)
 - *CS 4410 Automata, Computability, and Formal Languages, 3 units
 - *CS 4450 Coding and Information Theory, 3 units
 - *CS 4480 Artificial Intelligence, 3 units
 - ENGL 3750 Introduction to Linguistic Theory, 4 units
 - PHIL 3500 Philosophy of Mind (WP), 3 units
 - PHIL 4150 Cognitive Phenomenology, 3 units
 - PHIL 4260 Twentieth Century Philosophy, 3 units
 - PHIL 4300 Philosophy of Language, 3 units
 - PSYC 3100 Introduction to Physiological Psychology, 3 units
 - *PSYC 3400 Introduction to Perception, 3 units
- *Additional prerequisites apply. Other courses may be approved by minor adviser.*

Course Descriptions

Lower Division

COGS 2100 Introduction to Cognitive Studies (3 units)

Introduction to issues and methods relevant to the study of natural and artificial cognitive processes. Includes a survey of key developments fueling the Cognitive Revolution along with the major models influencing research on artificial intelligence, nonlinear dynamics (chaos theory), the brain/mind relationship, and their applications to human behavior and information processing. Satisfies G.E. area D2.

COGS 2300 Scientific Methods, Models, and Simulations (3 units)

(Formerly Cognitive Simulations) Introduction to methods used in scientific research, with emphasis on theories, models, and simulations. Focus on quantitative/mathematical tools and techniques for design and analysis of experiments, with particular attention to interdisciplinary approaches useful in cognitive science. Prerequisite: MATH 0105 or passing score on the ELM test, or equivalent.

Upper Division

COGS 3100 Communication Networks (3 units)

The emergence of telecommunications networks is creating new environments for human interactions that are rapidly altering occupational and social dynamics. This course introduces students to the diversity of network technologies and provides them with sufficient hands-on skills to work in this field. Topics include resource sharing, resource access, and communication. Satisfies G.E. area F3. Corequisite: COGS 3102. Prerequisite: Computer background or experience equivalent to CS 1000. (Lecture, 2 hours; laboratory, 2 hours)

COGS 3150 Nonlinear Systems and Chaos (3 units)

(Same as CS 3150) This course addresses theoretical and quantitative methods useful for work with nonlinear systems from many fields. Together with its laboratory, the course provides experience with phase space maps, Poincare sections, basins of attraction, strange attractors, and fractals and fractal dimensionality. It emphasizes systems best described by discrete math. Examples are drawn from physics, biology, cognitive science, economics, and other areas. Corequisite: COGS 3152. Prerequisite: COGS 2300 or consent of instructor. (Lecture, 2 hours; laboratory, 2 hours)

COGS 3300 Cognition and Verbal Behavior (3 units)

Cognitive factors affecting the development and complexity of verbal behaviors are examined within the context of brain function and language environments. Prerequisites: COGS 2100 and 2300.

COGS 4100 Philosophical Aspects of Cognitive Science (3 units)

Intensive examination of the conceptual foundations of Cognitive Science, with an emphasis on the philosophical aspects of current theoretical issues. Analysis will focus on behaviorism and functionalism as models for understanding human cognition. Constructive criticism of the representational model of mind; discussion of the significance of recent developments in neuroscience, and of the connectionist movement in artificial intelligence. Satisfies G.E. area F3. Prerequisite: COGS 2100 or consent of instructor.

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 two paired 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.

COGS 4440 Psychology of Workplace Performance (3 units)

(Formerly COGS 3200 Human Factors; same as PSYC 4440) Workplace designs that ignore the psychological abilities of workers reduce productivity, increase turnover, and in extreme cases trigger injuries or fatalities. This course uses real-world examples to demonstrate these problems and how they can be avoided by applying current theories of human performance.

COGS 4680 Neural Nets and Intelligent Machines (4 units)

This course, with its associated laboratory, deals with the current designs of cognitive machines that exploit the kind of adaptive parallel processing and self-organizing networks used by brains for learning, memory, visual imaging, and pattern recognition. The laboratory will emphasize the exploration of cognitive models using computer simulation. Corequisite: COGS 4682. Prerequisite: COGS 2300 or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

COGS 4700 Intelligence (3 units)

(Same as PSYC 4700) The origins and assessment of intelligence and its role in cognitive functions are examined within the psychometric and neuroscientific frameworks.

COGS 4950 Selected Topics in Cognitive Studies (1-5 units)

Development of a selected branch of cognitive studies. Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

COGS 4960 Seminar in Cognitive Science (3 units)

Seminar will focus on current developments in the neurosciences and cognitive psychology. Prerequisite: Consent of instructor.

COGS 4965 Senior Project (1-4 units)

A senior project developed in an area of Cognitive Studies under the direction of a specific faculty member. Can be taken for a maximum of 6 units total of which 3 units may count toward the major. Prerequisites: Senior standing and consent of instructor.

COGS 4980 Individual Study (1-4 units)

For students capable of independent work who need advanced or specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor and coordinator of the Cognitive Studies program.

Environmental Sciences Concentration

The concentration in Environmental Sciences acquaints students with environmental problems and research in the areas of Biological Sciences, Chemistry, and Physical Sciences. Students will complete courses in each of these areas, participate in interdepartmental seminars, and become involved in the study of an environmentally related problem. Courses are required in each of the departments to help the student better understand the nature and diversity of the environment, as well as the broad scope of research and study necessary to deal effectively with environmental problems.

Each student must satisfy the graduation requirements of the University, including the completion of a major in Biological Sciences, Chemistry, Geology, Physical Sciences, or Physics. In addition, students must complete requirements for the Environmental Sciences concentration as outlined. Students majoring in Physical Sciences may combine the environmental sciences concentration requirements with major requirements to complete the Physical Sciences degree as outlined in the catalog.

Requirements (55 units minimum)*

* *Most of these units will double-count in the major.*

1. Complete the following prerequisites to the Environmental Sciences concentration or their equivalent when available (34-35 units):
 - a. BOTY 1050 Introduction to Botany, 4 units
 - b. ZOOL 1050 Introduction to Zoology, 4 units
 - c. CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
 - d. MATH 1600 Statistics, 4 units, **or**
MATH 4630 Probability Theory, 3 units
 - e. CS 1000 Introduction to Computers, 3 units
 - f. PHYS 2100, 2110 Basic Physics I, II, 10 units, **or**
PHYS 2250, 2260 General Physics I, II, 8 units, **and**
PHYS 2252, 2262 General Physics Lab I, II, 2 units
2. Complete the following coursework for the Environmental Sciences concentration (21-22 units):
 - a. BIOL 4680 Ecology, 4 units
 - b. CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques, 4 units
 - c. MATH 1410 Calculus I, 4 units, **or**
MATH 1910 Calculus with Applications I, 3 units
 - d. NSCI 4960 Seminar in Environmental Science, 1 unit
(two semesters required), 2 units
 - e. PHSC 3000 Energy, Ecology, and Environment, 3 units, **or**
GEOL 3000 Physical and Environmental Geology, 4 units
 - f. BIOL 4980 Individual Study, 4 units, **or**
CHEM 4980 Individual Study, 4 units, **or**
GEOL 4980 Individual Study, 4 units, **or**
PHYS 4980 Individual Study, 4 units

Note: The individual study must be on an environmentally related problem which has been selected in consultation with the adviser. Each student should include additional environmental courses in consultation with the adviser.

Department of Biological Sciences

Mark Grobner, Ph.D., *Chair*

Professors: Grillos, Kelly, Kohlhaas, Roe, Watson, Wolf, Janey Youngblom

Associate Professors: Bruner, Grobner, Schoenly, James Youngblom

Assistant Professors: Gerson, Jones, Stevens, Thao

Office: Naraghi Hall of Science — N259

Phone: (209) 667-3476

**Bachelor of Arts and Bachelor of Science in Biological Sciences
with concentrations in: Botany, Clinical Laboratory Science,
Ecology and Field Biology, Entomology, Environmental Sciences,
Genetics, Marine Biology, Microbiology, and Zoology**

Minor in Biological Sciences

Master of Science in Marine Sciences*

Master of Science in Ecology and Sustainability*

Master of Science in Genetic Counseling*

Liberal Studies degree concentration in Biological Sciences

*Please see the Graduate catalog.

Bachelor of Arts in Biological Sciences

The degree Bachelor of Arts is designed to provide breadth and background in the natural sciences and to allow sufficient flexibility to accommodate the diverse needs of the general student. Persons preparing for careers in such areas as agriculture, industry, and elementary teaching will find this degree adaptable to their career objective.

Bachelor of Science in Biological Sciences

The degree Bachelor of Science is designed to provide the comprehensive background in the sciences required for students planning to seek a career in secondary teaching or additional training for graduate or professional schools. The degree includes coursework usually required for admission to schools of medicine, dentistry, optometry, pharmacy, veterinary medicine, or laboratory technology, and for admission to graduate work in the biological sciences. Students planning to seek advanced or professional degrees should consult their department adviser early in their undergraduate program to determine what courses are required for graduate and professional programs.

Requirements for the Bachelor of Arts or the Bachelor of Science

1. Complete University General Education requirements for the bachelor's degree (51 units).
2. Complete the following prerequisites to the major:
 - a. Required courses in the major field (8 units):
BOTY 1050 Introduction to Botany, 4 units
ZOOL 1050 Introduction to Zoology, 4 units
 - b. Required courses in supporting fields (14 units for the Bachelor of Arts degree; 25-26 units for the Bachelor of Science degree):
 - i. CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
 - ii. CHEM 3010, 3012 Organic Chemistry I, Lab, 4 units
 - iii. Bachelor of Science Students (11-12 units):
 - Mathematics (statistics or calculus), 3-4 units
 - Physics (one-year sequence), 8 units. (A year sequence comparable to PHYS 2100, 2110, or PHYS 2250, 2252, 2260, 2262.)
3. Complete the major of not less than 25 upper-division units for the Bachelor of Arts or not less than 29 upper-division units for the Bachelor of Science, including course requirements as specified for the majors. No more than 8 units of CR-graded coursework from courses graded exclusively CR/NC may apply toward the major.
4. Completion of a minor or concentration is not required.

The Major (34-38 units)

1. Animal and Plant Sciences (8 units)

Note: These must be upper-division, 4- or 5-unit courses with laboratories. With the approval of the major adviser, certain lower-division (4 or 5 units, with lab) bacteriology courses taken at other institutions may be used to satisfy the Botany/Microbiology requirement. Under those circumstances, only 4 units of biology electives may then be at the lower-division level.

- a. Select one course from Entomology or Zoology.
- b. Select one course from Botany or Microbiology.
- c. One of the above courses must deal with the diversity of organisms. (Acceptable courses are indicated by an asterisk (*) in the course description section of the catalog.)
2. Complete BIOL 3310 Cellular and Molecular Biology, 3 units
3. Genetics (5-6 units)
 - a. BIOL 3350 Introductory Genetics, 3 units
 - b. Select one course from the following:
BIOL 4820, 4830, 4840, 4850, 4860, or 4870, 2-3 units
4. Ecology (4 units)
Select one course from the following:
BIOL 4630 Marine Ecology, 4 units
BIOL 4650 Aquatic Biology, 4 units
BIOL 4680 Ecology, 4 units
BOTY 4600 Plant Ecology, 4 units
5. Physiology (4 units)
Select one course from the following:
BOTY 4200 Plant Physiology, 4 units
ZOOL 4230 Animal Physiology, 4 units
ZOOL 4280 Physiology of Human Systems, 4 units

6. Complete 10 units of electives in the Biological Sciences for the Bachelor of Arts degree or 14 units of electives in the Biological Sciences for the Bachelor of Science degree. A maximum of 8 units may be satisfied by courses at the lower-division level with the approval of the major adviser. (BIOL 3000, 3020, 4050, or NSCI 3000 may be used, but no more than 3 units total).
7. Completion of a concentration is optional.

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. 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 4700 Ecology and Invasive Species, 3 units
 - c. Complete one of the following courses:
 - BIOL 4630 Marine Ecology, 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.

3. Entomology

Complete 3 of the following courses:

- ENTO 3000 Principles of Entomology, 4 units
- ENTO 4330 Medical and Veterinary Entomology, 4 units
- ENTO 4800 Agricultural Entomology, 4 units
- ZOOL 4440 General Parasitology, 4 units

Electives:

An additional 4 units selected with assistance of the 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 Concentration section of this chapter.

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 4850 DNA Technology in Forensic Science, 2 units, **or**
 - BIOL 4870 Recombinant DNA, 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 Medical Genetics, 3 units, **or**
 - BIOL 4830 Evolution and Population Genetics, 2 units, **or**
 - BIOL 4840 Genetic Biotechnology, 3 units, **or**
 - BIOL 4860 Cell Culture and Advanced Biotechnology, 2 units

6. Marine Biology

- ZOOL 4420 Invertebrate Zoology I, 4 units (or MSCI 3240)
 - ZOOL 4430 Invertebrate Zoology II, 4 units (or MSCI 3250)
 - BIOL 4630 Marine Ecology, 4 units (or MSCI 3030)
 - BOTY 3130 Morphology of Plants, Algae, and Fungi, 4 units (or MSCI 3310)
- 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
 - BIOL 4310 Histological and Cytological Techniques, 4 units
 - MBIO 4300 Medical Microbiology, 4 units
 - MBIO 4600 Food Microbiology, 3 units
 - MBIO 4700 Host-Parasite Interactions, 3 units
 - MBIO 4950 Selected Topics in Microbiology, 1-4 units

BOTY 3500 Introductory Plant Pathology, 4 units
 ENTO 4330 Medical and Veterinary Entomology, 4 units
 ZOOL 4440 General Parasitology, 4 units

8. **Zoology**

Select at least one course from each of the following groups:

- a. ZOOL 3610 General Vertebrate Zoology, 4 units
 ZOOL 4620 Herpetology, 4 units
 ZOOL 4630 Ornithology, 4 units
 ZOOL 4640 Mammalogy, 4 units
- b. ZOOL 4420 Invertebrate Zoology I, 4 units
 ZOOL 4430 Invertebrate Zoology II, 4 units
 ENTO 3000 Principles of Entomology, 4 units
- c. ZOOL 4230 Animal Physiology, 4 units
 ZOOL 4280 Physiology of Human Systems, 4 units
- d. An additional 4 units selected with assistance of the adviser.

Clinical Laboratory Science Concentration

The curriculum for the Clinical Laboratory Science concentration includes mandatory classes required for eligibility to take the licensure examination for clinical laboratory scientists offered by the California Department of Health Services. Coursework also prepares students for entry into hospital-based, one-year training programs that are prerequisite to the licensure examination.

1. Complete the following required courses:

BIOL 4100 Immunology, 3 units
 MBIO 4300 Medical Microbiology, 4 units
 ZOOL 4440 General Parasitology, 4 units
 BIO 124 Clinical Hematology, 3 units

Note: Bio 124 is available on campus via an intercampus distance education offering through concurrent enrollment with CSU Sacramento.

CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques, 4 units
 CHEM 4400 Biochemistry I, 3 units

Minor in Biological Sciences

Requirements (20 units)

1. Complete the following lower-division courses (8 units):
 BOTY 1050 Introduction to Botany, 4 units
 ZOOL 1050 Introduction to Zoology, 4 units (equivalent courses may be substituted with approval of minor adviser)
2. Complete a minimum of 12 units of upper-division coursework, as approved by minor adviser.

Liberal Studies Concentration in Biological Sciences

Please refer to the Liberal Studies section of the catalog.

Preparation for Graduate Work or Professional Degrees

Biological Sciences majors interested in health careers such as dentistry, medicine, clinical laboratory science, optometry, pharmacy, physical therapy, or veterinary medicine should see the Pre-Health Professions section of this catalog. The University offers the appropriate preprofessional coursework for these areas and the department has fliers which outline the undergraduate courses recommended for each of these career paths.

Consultation with a faculty adviser familiar with preprofessional requirements is strongly recommended at the beginning of the sophomore year.

Students who intend to seek an advanced degree are encouraged to select a minor in the Physical Sciences or Mathematics. A year sequence in college Physics and a year sequence in Organic Chemistry also should be completed. Students interested in an advanced degree in Biochemistry, Ecology, or Molecular Biology should elect a year sequence in Calculus and a course in Statistics.

Students interested in biological laboratory occupations should complete as many courses as possible that focus on laboratory skills and use of equipment, in addition to the traditional Chemistry and Physiology courses completed as part of the Biological Sciences degree.

The following courses also will prepare the student for lab-based graduate or professional degrees:

BIOL 4310 Histological and Cytological Techniques, 4 units
 BIOL 4850 DNA Technology in Forensic Sciences, 2 units
 BIOL 4860 Cell Culture and Advanced Biotechnology, 2 units
 BIOL 4870 Recombinant DNA, 2 units
 CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques, 4 units
 CHEM 4400 Biochemistry I, 3 units
 MBIO 3010 Bacteriology, 3 units
 MBIO 3032 Bacteriology Laboratory, 2 units

Teaching Credentials

Majors in Biological Sciences interested in multiple subject or single subject credentials are referred to the Teacher Education section of the Graduate Catalog for a description of teaching credential programs.

Master of Science in Marine Sciences Marine Biology Concentration

The Department of Biological Sciences in conjunction with Moss Landing Marine Laboratories offers a Master of Science in Marine Sciences degree in areas of Marine Sciences. Please see the Graduate catalog or contact the Department of Biological Sciences office for further information.

Master of Science in Ecology and Sustainability

The Department of Biological Sciences offers a Master of Science in Ecology and Sustainability with concentrations in either Ecological Conservation or Ecological Economics. Please see the Graduate catalog or contact the Department office for further information.

Master of Science in Genetic Counseling

The Department of Biological Sciences offers a Master of Science in Genetic Counseling with coursework offered at the University of California, San Francisco (UCSF), San Francisco State University, and Oakland Kaiser Permanente Medical Center. Please see the Graduate catalog or contact the Department office for further information.

Pre-Health Professional Program

Flora Watson (Biological Sciences), Ph.D., Adviser

Office: Naraghi Hall of Science 229
Phone: (209) 667-3483

Students planning to attend medical, dental, pharmacy, veterinary, optometry, chiropractic, physical therapy, physician assistant, clinical laboratory science, or podiatry schools are usually not required to complete a prescribed undergraduate major, although most do. In general, students interested in a health profession major in biological sciences or chemistry. There are courses that are required to be completed before applying to the professional schools.

Course Requirements

The minimum requirement for admission to most health professional schools is completion of at least 90 semester units; however, a bachelor's degree is recommended. In addition, requirements for a specific professional school may differ from one school to another. Therefore, it is highly recommended that students, while preparing for admission, examine the requirements of their prospective professional schools and, with the assistance of their major adviser, design a program of study.

Experience

It is critical for students to have special health-related experience in addition to their coursework. The experience should have direct patient contact or other interpersonal involvement. The professional schools want to know if the applicants have first-hand knowledge of the realities of a career in a health profession. An undergraduate internship in an appropriate health profession setting is a recommended way to achieve this "real world" experience.

In some situations, experience plays a significant role in the admission selection process. Academic credit may be received for such experiences. Research experience may be useful to some students, but it is not a major requirement for admission to some of the health professions. Consult your major adviser and a member of the Pre-health Professions Committee.

Recommended General Education, Core Curriculum, and Elective Courses

General Education

Commonly required courses include:

Communication — One semester of Public Speaking (for pharmacy schools)

English – One year of English composition and Literature.

(Note: ESL classes do not fulfill the English requirement.)

Psychology – General Psychology

Social Sciences, Humanities, or Foreign Language

(Minimum of 11 semester units)

Core Curriculum

All students who plan to attend a medically related professional school, regardless of major, should take the following core courses:

ZOOL 1050 Introduction to Zoology, with laboratory, 4 units

BOTY 1050 Introduction to Botany, with laboratory, 4 units

CHEM 1100 Principles of Chemistry I, with laboratory, 5 units

CHEM 1110 Principles of Chemistry II, with laboratory, 5 units

CHEM 3010 Organic Chemistry I, 3 units, **and**

CHEM 3012 Organic Chemistry Laboratory, 1 unit

CHEM 3020 Organic Chemistry II, with laboratory, 4 units

CHEM 4400 Biochemistry I, 3 units (highly recommended for dental, medical, and pharmacy schools)

PHYS 2100 Basic Physics I, 5 units, **or**

PHYS 2250 General Physics I, 4 units, **and**

PHYS 2252 General Physics I Laboratory, 1 unit

PHYS 2110 Basic Physics II, 5 units, **or**

PHYS 2260 General Physics II, 4 units, **and**

PHYS 2262 General Physics Laboratory II, 1 unit

MATH 1600 Statistics, 4 units, **and/or**

MATH 1410 Calculus I, 4 units

Additional Electives

(to bring the total number of units to at least 90 semester units)

Most professional schools recommend the following courses. Some of these courses may have prerequisites. These courses will also help prepare for professional admissions tests:

BIO 124 Clinical Hematology, 3 units

Note: BIO 124 is available on campus via a distance education offering with concurrent enrollment from CSU Sacramento.

BIOL 3350 Introductory Genetics, 3 units

BIOL 4100 Immunology, 3 units

CHEM 3020 Organic Chemistry II, 3 units

CHEM 3022 Organic Chemistry II Laboratory, 1 unit
 CHEM 4400 Biochemistry I, 3 units
 MBIO 3010 Bacteriology, 3 units
 MBIO 3032 Bacteriology Laboratory, 2 units
 MBIO 4300 Medical Microbiology, 4 units
 ZOOL 3130 Vertebrate Embryology, 5 units
 ZOOL 3150 Comparative Anatomy of Vertebrates, 5 units
 ZOOL 4280 Physiology of Human Systems, with laboratory, 4 units

Professional Admission Tests

It is to the student's advantage to complete the core curriculum and additional electives before taking the professional admissions test, such as MCAT (Medical College Admission Test), DAT (Dental Admission Test), PCAT (Pharmacy College Admission Test), OAT (Optometry Admission Test), or GRE (Graduate Record Exam for Veterinary School Admission). Application forms, packets, and information are available through the Pre-health Professions Committee. Most professional schools require that all the prerequisite courses be completed by June of the year of intended enrollment.

Pre-health Professions Committee

A Pre-health Professions Committee provides academic advising and assistance to students who are preparing and applying to health professional schools. Questions regarding pre-health profession preparation and application may be directed to the committee via the Department of Biological Sciences at (209) 667-3476.

Learning Objectives

Graduates will demonstrate:

- **Biological knowledge:** Knowledge of the basic principles of biology and unifying themes, the processes shared by living things, and an appreciation of the diversity of life that exists on earth.
- **Lab skills:** The ability to use appropriate laboratory/field procedures, methods and instrumentation to conduct biological investigations and safety issues associated with each.
- **Analytical and quantitative skills:** The ability to formulate scientific questions, design experiments to answer these questions, collect, analyze, interpret and report data.
- **Computer literacy:** This is facilitated through laboratory assignments in introductory chemistry, ecology, physiology, and other courses in the core of the degree.
- **Cognitive skills:** The ability to think critically, synthesize as opposed to memorize information presented to them and use this information to solve problems.

Students will demonstrate:

- **Communication skills:** The ability to communicate effectively orally and in writing (scientific writing).
- **Research skills:** The ability to find, evaluate and integrate published information, to use databases and information technology.
- **Stewardship advocacy:** The understanding and appreciation of the relevance of biology to society, the value of knowledge and the lifelong learning, integrity, and the ability to identify and evaluate ethical issues.
- **Teamwork skills:** The ability to work cooperatively and solve problems in a group.

Course Descriptions

Biology: Lower Division

BIOL 1010 Principles of Biology (3 units)

Introduction to basic biological phenomena common to all living organisms. Cellular and molecular levels of organization, genetics, and the mechanisms of heredity in organic evolution, environmental associations, structure as it relates to function, and reproduction from the molecular to gross structural levels. Satisfies G.E. area B2. (Lecture, 3 hours) (Fall, Winter, Spring)

BIOL 1020 World of Biology Laboratory (1 unit)

(Topics to be specified in Class Schedule) Basic laboratory and/or field studies in various biological areas. Satisfies laboratory requirement in natural sciences. Different topics can be taken for credit under this number, but may be taken only once for GE credit. Satisfies G.E. area B2. Prerequisite: BIOL 1010 or concurrent enrollment. (Laboratory, 3 hours) (Fall, Winter, Spring)

BIOL 2310 Human Genetics (3 units)

Basic concepts of human genetics will be covered including inheritance patterns of traits, genetic diseases, chromosome aberrations, prenatal diagnosis, the Human Genome Project, and evolutionary genetics. Emphasis will be placed on DNA technology as it relates to current genetic issues. (*Note: This course will not meet the upper-division genetics requirement, nor may it be used as an elective for the genetics concentration.*) Satisfies G.E. area B2. (Lecture, 3 hours) (Fall, Spring)

BIOL 2650 Environmental Biology (3 units)

Basic ecological concepts as they apply to present-day resource management and human environmental problems, including wildlife, forest, soil, water, air, and mineral resources. Ecological aspects of air and water pollution, human population growth, pesticide use, and energy consumption. Satisfies G.E. area B2. (Lecture, 3 hours) (Fall, Winter, Spring)

Biology: Upper Division**BIOL 3000 Frontiers in Biology (3 units)**

Consideration of different topics of biology that are currently in the forefront of research and public awareness. Emphasis is on further development of biological principles learned in lower-division general education courses in natural sciences and in preparing people to deal with questions and decisions relating to biological developments affecting their lives. Topics vary from semester to semester but may include genetic engineering, ecology, cancer research, agricultural developments, disease treatment and control, wildlife and endangered species. May also be used to count towards electives in the major. Satisfies G.E. area FI. Prerequisite: Junior standing and completion of lower-division general education in natural sciences and mathematics. (Lecture, 3 hours) (Fall, Spring)

BIOL 3020 Introduction to Evolution (3 units)

An introduction to organic evolution for students unacquainted with the subject. Its implications extend far beyond the confines of biology, ramifying into all phases of human life and activity. May also be used to count towards electives in the major. Satisfies G.E. area FI. Prerequisite: Junior standing and completion of lower-division General Education in natural sciences and mathematics. (Lecture, 3 hours) (Fall, Winter)

BIOL 3100 Biological Illustration (3 units)

Techniques of illustrating to include rough drafts and pencil drawings, ink renderings, graphs, maps, lettering, etc., with emphasis placed on biological materials. Corequisite: BIOL 3103. Prerequisite: Consent of instructor. (Lecture, 2 hours; activity, 3 hours) (Spring)

BIOL 3310 Cellular and Molecular Biology (3 units)

Basic concepts of cellular phenomena dealt with at the molecular level of organization. Prerequisites: BOTY 1050, ZOOL 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours) (Fall, Spring)

BIOL 3350 Introductory Genetics (3 units)

Introduction to classical, molecular, and population genetics. Modern applications including genetic engineering and biotechnology will be discussed. Prerequisites: BOTY 1050, ZOOL 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours) (Fall, Spring)

BIOL 4000 Biogeography (3 units)

The relation between geological history, environment, and the distribution and abundance of living organisms. Includes topics on island biogeography, speciation, extinction, and dispersal. Prerequisites: ZOOL 1050 and BOTY 1050 or consent of instructor. (Lecture, 3 hours)

BIOL 4010 Research and Technical Writing in Biology (WP) (3 units)

Introduction to bibliographic research, design/interpretation of experiments, statistical testing of results, and preparation of technical reports in biology. Satisfies upper-division writing proficiency requirement. Corequisite: BIOL 4012. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score, BOTY 1050, ZOOL 1050, junior standing or consent of instructor, and completion of G.E. area A2 requirements (written communication). (Lecture, 2 hours; laboratory, 3 hours) (Fall)

BIOL 4020 Biology for Decision Making (3 units)

The study of biological principles of genetic engineering/biotechnology, physiology/medicine, and/or environmental biology to enable students to make informed decisions in their lives. Designed specifically for future teachers. (LIBS Integrative: Scientific/Mathematical Inquiry) Corequisite: BIOL 4022. Prerequisites: General Education areas B and FI. (Lecture 2 hours; laboratory 3 hours; field trips)

BIOL 4050 Ecosystem Case Studies (3 units)

Examine how human activities alter the structure and function of ecosystems using local through international examples. Emphasis on the integration of ecosystems components, and roles of science, economic, and social forces in determining policy affecting ecosystems. Satisfies G.E. area FI. Prerequisites: Junior standing and completion of G.E. area B.

BIOL 4100 Immunology (3 units)

Introduction to the basic concepts and principles of acquired and innate immunity as they relate to the human body. Prerequisite: BIOL 3310 or BIOL 3350 or MBIO 3010 or CHEM 4400, or consent of instructor.

BIOL 4110 Concepts in Epidemiology (2 units)

Interactive introduction to the history and basic fundamentals of epidemiology including general uses, methods, and applications. Corequisite: BIOL 4112. Prerequisite: One of the following: MBIO 3010, BIOL 3310, BIOL 3350, ZOOL 4440, CHEM 4400, or consent of instructor. (Lecture, 1 hour; activity, 2 hours)

BIOL 4200 Ecological Agriculture (3 units)

Analysis of ecological patterns and mechanisms of agroecosystems, with emphasis on biodiversity linkages operating between plants, pests, and natural enemies. Topics include environmental and health impacts of genetically engineered plants, pesticide resistance, and critical assessments of integrated pest management, biological control, and sustainability. Case studies from temperate, tropical, and subtropical zones are included to illustrate working examples of ecorational approaches to agriculture. Prerequisite: Course in animal science and plant science or consent of instructor. (Winter)

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: ZOOL 1050 and BOTY 1050 or consent of instructor. (Lecture, 3 hours)

BIOL 4310 Histological and Cytological Techniques (4 units)

Principles and practice of preparing tissues for microscopy study. Corequisite: BIOL 4312. Prerequisite: Two years of college-level biology or equivalent. (Lecture, 2 hours; laboratory, 6 hours) (Fall)

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 FI. Prerequisites: Completion of G.E. area B, junior standing.

BIOL 4610 Elements of Environmental Science (3 units)

An in-depth exploration of fundamental concepts and processes of science from the perspective of environmental biology. Scientific concepts and processes will be examined through readings, discussions, and activities centered on common phenomena of living systems and prominent local and international environmental issues. Designed specifically for future teachers. (LIBS Integrative: Science/Mathematical Inquiry) Prerequisites: Completion of all math and science requirements in the Liberal Studies major sections A and B and upper-division G.E. area F1 with a grade C- or better. (Lecture, 3 hours)

BIOL 4630 Marine Ecology (4 units)

(Formerly Marine Biology) Study of marine communities with emphasis on local communities. Ecology and natural history of plants and animals, and their adaptation to marine environments are stressed. Satisfies ecology elective for the major. Corequisite: BIOL 4632. Prerequisites: BOTY 1050, ZOOL 1050 or equivalent, and one semester invertebrate zoology, or BOTY 3100, or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

BIOL 4650 Aquatic Biology (4 units)

The biota of fresh water with emphasis on the ecology, identification, physiology, and behavior of aquatic organisms. Satisfies the ecology elective for the major. Corequisite: BIOL 4652. Prerequisites: BOTY 1050, ZOOL 1050, and CHEM 1100, 1110, or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

BIOL 4680 Ecology (4 units)

Basic interrelationships of plants and animals within their physical environments. Satisfies the ecology elective for the major. Corequisite: BIOL 4682. Prerequisites: BOTY 1050, ZOOL 1050, and statistics or calculus. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Fall)

BIOL 4700 Ecology and Invasive Species (3 units)

(formerly Ecology and Exotic Species) Study of ecology of invasive species and their effects on other organisms and ecosystems. Prerequisites: BOTY 1050 and ZOOL 1050 or consent of instructor. (Lecture, 3 hours) (Winter)

BIOL 4720 Topics in Rocky Intertidal Biology (4 units)

Field studies of marine rocky intertidal areas of the Central California coastline with in-class data analysis and presentations. Class time variable. Multi-day field trips required. Corequisite: BIOL 4722. Prerequisites: One year of college level Biology courses including BOTY 1050 and ZOOL 1050 or equivalent, and consent of instructor. (Winter)

BIOL 4740 Deep-Sea Biology (4 units)

Observations of deep sea animals, data analysis, and student presentations from deep sea studies. Corequisite: BIOL 4742. Prerequisites: One year of college level Biology including ZOOL 1050 and consent of instructor. (Lecture, 3 hours; laboratory, 3 hours) (Winter)

BIOL 4820 Medical Genetics (3 units)

(Formerly Cytogenetics) Focuses on clinical aspects of human genetics with an emphasis on symptoms, detection, and treatment of various human disorders that have chromosomal, single gene, or multifactorial origin. Genetic counseling and medical ethics are discussed. Prerequisite: BIOL 3350. (Lecture, 3 hours)

BIOL 4830 Evolution and Population Genetics (2 units)

Basic concepts of evolutionary theory and population genetics. Emphasis upon the processes and mechanisms of evolution through genetic changes in populations. Prerequisite: BIOL 3350. (Lecture, 2 hours) (Fall)

BIOL 4840 Genetic Biotechnology (3 units)

(formerly Molecular Genetics) Principles and applications of recombinant DNA technology. Emphasis on the tools of gene manipulation, genomic scale analysis, and bioinformatics. Weekly activity involving DNA analysis software. Corequisite: BIOL 4843. Prerequisite: BIOL 3350. (Lecture, 2 hours; activity, 2 hours)

BIOL 4850 DNA Technology in Forensic Science (2 units)

Applications of DNA technology in forensic investigation will be explored. The laboratory segment will expose students to a variety of molecular biology techniques used in forensic laboratories. The lecture component will introduce fundamental concepts in molecular biology and expound on the analysis and interpretation of results obtained in the lab. Corequisite: BIOL 4852. Prerequisites: BIOL 2310 or 3350; and CHEM 1100, 1102, and 1104, or consent of instructor. (Lecture, 1 hour; laboratory, 3 hours)

BIOL 4860 Cell Culture and Advanced Biotechnology (2 units)

Introduction to tissue culture techniques for analysis of cells under normal and experimental conditions. Emphasis will be placed on application of these techniques for elucidating basic biological functions and their utilization in biotechnology research. Primary focus will be on animal cells, but plant cells also will be examined. Corequisite: BIOL 4862. Prerequisites: BIOL 3350 or BIOL 3310; CHEM 1100, 1110, or equivalent; and consent of instructor. (Lecture, 1 hour; laboratory, 3 hours) (Winter)

BIOL 4870 Recombinant DNA (2 units)

(Replaces BIOL 4842) Introduction to the fundamentals of genetic engineering, including the theory and practice of basic recombinant DNA techniques. Corequisite: BIOL 4872. Prerequisite: BIOL 3350. (Lecture, 1 hour; laboratory, 3 hours) (Winter)

BIOL 4940 Internship in Biology (2-4 units)

Supervised work in an agency or business related to the biological sciences. Six to twelve hours per week. A weekly one-hour seminar will be held to discuss career-related topics and the work experience aspect of the course. Prerequisites: Junior- or senior-level biology major; consent of instructor. (Fall, Spring)

BIOL 4950 Selected Topics in Biological Sciences (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of biological sciences. Topics vary each term, thus different topics may be taken for credit. Corequisite: BIOL 4952.

BIOL 4951 Selected Topics in Biology (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of biological sciences. Topics vary each term, thus different topics may be taken for credit. Corequisite: BIOL 4953.

BIOL 4960 Biology Colloquium (1 unit)

Presentation and discussion of selected biological phenomena through the study of biological literature and research. Topics will include both basic and applied research. May be repeated for a total of 6 units, 2 of which can be applied to the major. (Spring)

BIOL 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Spring)

Botany: Lower Division**BOTY 1050 Introduction to Botany (4 units)**

Introduction to the fundamental aspects of plant biology; taxonomy, anatomy, morphology, physiology, and ecology. Satisfies G.E. area B2. Corequisite: BOTY 1052. Prerequisites: Grade of A or B in high school biology, satisfactory score on biology qualifying examination, or BIOL 1010. (Lecture, 3 hours; laboratory, 3 hours) (CAN BIOL 6) (Fall, Spring)

Botany: Upper Division**BOTY 3000 Principles of Plant Propagation (3 units)**

Techniques, facilities, and materials used in the propagation and maintenance of horticulturally important plants. The water, temperature, and light requirements of domesticated plants also are considered, as well as methods of pest/disease control. Corequisite: BOTY 3002. Prerequisite: BOTY 1050 or equivalent. (Lecture, 2 hours; laboratory, 3 hours; field trips) (Winter)

BOTY 3050 Plants, Agriculture, and Humans (4 units)

Introduction to the uses, propagation, and domestication of plants by humans. Corequisite: BOTY 3052. Prerequisite: BOTY 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Fall odd-numbered years)

***BOTY 3130 Morphology of Plants, Algae, and 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)

BOTY 3500 Introductory Plant Pathology (4 units)

Nature, cause, and control of plant diseases with emphasis on economic agriculture crops. Corequisite: BOTY 3502. Prerequisite: BOTY 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours) (**)

***BOTY 3700 Flowering Plants (4 units)**

Structure, kinds, taxonomic relationships, and classification of local flowering plants with practice in their collection and identification. Satisfies the departmental diversity requirement. Corequisite: BOTY 3702. Prerequisite: BOTY 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

BOTY 4200 Plant Physiology (4 units)

Selected topics pertaining to metabolism, nutrition, and growth of plants. Satisfies the physiology elective for the major. Corequisite: BOTY 4202. Prerequisites: BOTY 1050 or equivalent, BIOL 3310, and CHEM 3010, 3012, or equivalent. (Lecture, 2 hours; laboratory, 6 hours) (Spring)

BOTY 4600 Plant Ecology (4 units)

Study of the interrelationships between plants and their environment, with special emphasis on the structure, development, and causes of distribution of plant communities. Satisfies the ecology elective for the major. Corequisite: BOTY 4602. Prerequisites: One year of college-level biology, including BOTY 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

BOTY 4950 Selected Topics in Botany (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of botany. Topics vary each term, thus different topics may be taken for credit. Corequisite: BOTY 4952. Prerequisite: Consent of instructor.

BOTY 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Entomology: Upper Division***ENTO 3000 Principles of Entomology (4 units)**

Classification, control, life history, structure, ecology, and basic physiology of insects. Satisfies the departmental diversity requirement. Corequisite: ENTO 3002. Prerequisite: ZOOL 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Fall)

***ENTO 4330 Medical and Veterinary Entomology (4 units)**

(Formerly ENTO 3330) Natural history and taxonomy of arthropods of medical (including forensic) and veterinary importance in temperate, tropical, and subtropical regions of the world with emphasis on the role arthropods play as vectors and transmitters of disease. The laboratory involves techniques of collection and taxonomic identification, dissections, and field experiments on carrion-arthropod succession to demonstrate the utility of arthropods in medicolegal investigations. Satisfies the departmental diversity requirement. Corequisite: ENTO 4332. Prerequisite: One year of college-level Biology including ZOOL 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips and experiments) (Fall)

***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 will 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 ZOOL 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

ENTO 4950 Selected Topics in Entomology (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of Entomology. Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

ENTO 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Microbiology: Lower Division**MBIO 2010 Microbiology for Nursing (4 units)**

Introduction to the basic concepts and principles of microbiology as it affects human health. An overview of disease transmission, immunology, physical and chemical methods of disease prevention and control, as well as major infectious diseases of the body systems. Basic laboratory techniques will also be presented. (*Note: This course may not be used as a Biology elective.*) Corequisite: MBIO 2012. Prerequisites: registration in the Nursing program and courses in Biochemistry and Physiology. (Lecture, 3 hours; laboratory, 3 hours)

Microbiology: Upper Division***MBIO 3010 Bacteriology (3 units)**

Morphology, physiology, cultivation, and control of bacteria and other selected microorganisms; their role as agents of change in the natural process important to industry, agriculture, and health. Prerequisites: One year of college-level Biology or equivalent, and CHEM 1110 or equivalent. MBIO 3010 and 3032 together will satisfy the departmental diversity requirement. (Lecture, 3 hours) (Fall, Spring) (**)

***MBIO 3032 Bacteriology Laboratory (2 units)**

Laboratory experiments and demonstrations to illustrate principles and techniques of bacteriology. Prerequisite: MBIO 3010 or concurrent enrollment. MBIO 3010 and 3032 together will satisfy the departmental diversity requirement. (Laboratory, 6 hours) (Fall, Spring)

MBIO 4300 Medical Microbiology (4 units)

Principles of medical microbiology, including pathogenic microbes, epidemiology, infection, disease, and treatment. Corequisite: MBIO 4302. Prerequisites: MBIO 3010 and 3032. (Lecture, 3 hours; laboratory, 3 hours)

MBIO 4600 Food Microbiology (3 units)

Basic concepts related to some biochemical changes by microorganisms in food, including milk and milk products, particularly food spoilage, food poisoning, food preservation, and measures to prevent food spoilage and poisoning. Prerequisite: MBIO 3010 or equivalent. (Lecture, 3 hours) (Spring)

MBIO 4700 Host-Parasite Interactions (3 units)

Concept of host-parasite interactions with emphasis on those microorganisms associated with human health and welfare. Prerequisite: MBIO 3010 or equivalent.

MBIO 4950 Selected Topics in Microbiology (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of microbiology (bacteriology). Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

MBIO 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Natural Science: Upper Division**NSCI 3000 Science for Self-Sufficiency (3 units)**

Theoretical and practical aspects of science related to a self-sufficient life style, including organic agriculture and pest control; plant propagation; food preservation; production of beer, wine, cheese, and other foods; human nutrition; transmission and control of infectious diseases; water treatment and waste disposal; environmental physiology; and production of energy. Satisfies G.E. area F1. Prerequisite: Junior standing. (**)

NSCI 4960 Seminar in Environmental Science (1 unit)

Environmental topics will be presented and discussed by faculty, students, and visiting scientists. May be repeated for a maximum of 4 units. Prerequisite: Upper-division standing or consent of instructor.

NSCI 4961 Teaching Secondary Science (3 units)

An introduction to teaching methodology, philosophy, resources, and strategies for prospective secondary science teachers for grades 7-12. The course is required for the subject matter preparation program for students who intend to earn the Single Subject Credential in Science and is appropriate for those wanting specialized preparation in Biological Science, Chemistry, Geoscience, or Physics. May be used as an elective in the major.

Zoology: Lower Division**ZOOL 1050 Introduction to Zoology (4 units)**

Introduction to basic principles common to the animal kingdom. Covers animal diversity; morphology and physiology of animal cells, tissues, and organ systems; animal reproduction and development; and principles of evolution and specialization. Satisfies G.E. area B2. Corequisite: ZOOL 1052. Prerequisites: Grade of A or B in high school biology; satisfactory score on biology qualifying examination, or BIOL 1010. (Lecture, 3 hours; laboratory, 3 hours; field trips) (CAN BIOL 4) (Fall, Spring)

ZOOL 2230 Physiology (3 units)

Principles of functional anatomy and physiology of organ systems with special reference to human physiology. Does not satisfy the Physiology elective for the major. Prerequisite: BIOL 1010, or ZOOL 1050, or ZOOL 2250. (Lecture, 3 hours) (CAN BIOL 12) (Fall, Spring)

ZOOL 2232 Physiology Laboratory (1 unit)

(Formerly ZOOL 2242) Laboratory experiments, exercises, and demonstrations illustrating the principles of physiology with special reference to human physiology. Prerequisite: ZOOL 2230 or concurrent enrollment. (Laboratory, 3 hours) (Fall, Spring)

ZOOL 2235 Human Physiology (4 units)

Principles of functional anatomy and physiology of organ systems with special reference to human physiology. Laboratory exercises and experiments illustrating the principles presented in lecture. Corequisite: ZOOL 2245. (Lecture, 3 hours; laboratory, 3 hours)

ZOOL 2250 Human Anatomy (4 units)

Gross morphology and anatomy of the organ systems of the human body with emphasis on functional anatomy. Corequisite: ZOOL 2252. Prerequisites: BIOL 1010 and 1020, or ZOOL 1050. (Lecture, 2 hours; laboratory, 6 hours) (CAN BIOL 10) (Fall, Spring)

ZOOL 2660 Birdwatching in Central California (3 units)

Field experience in becoming familiar with the identification, habitats, and habits of birds of Central California. Emphasis on identifying species in the field. Corequisite: ZOOL 2663. Prerequisite: Consent of instructor. (Lecture, 1 hour; activity, 4 hours; field trips) (Winter)

Zoology: Upper Division**ZOOL 3130 Vertebrate Embryology (5 units)**

Comparative study of embryological stages of various selected vertebrate forms and developmental microanatomy of their organ systems. Corequisite: ZOOL 3132. Prerequisite: ZOOL 1050 or equivalent. (Lecture, 3 hours; laboratory, 6 hours) (**)

ZOOL 3150 Comparative Anatomy of Vertebrates (5 units)

Comparative study of microanatomy and gross morphology of organ systems in representative vertebrates. Corequisite: ZOOL 3152. Prerequisite: ZOOL 1050 or equivalent. (Lecture, 3 hours; laboratory, 6 hours) (**)

ZOOL 3600 Introduction to Ethology (3 units)

A general survey of forms of animal behavior and methods of study. Prerequisite: BOTY 1050, ZOOL 1050, or consent of instructor. (Lecture, 3 hours) (**)

***ZOOL 3610 General Vertebrate Zoology (4 units)**

Natural history, behavior, ecology, environmental physiology, and zoogeography of the vertebrates with emphasis on the ecological roles of vertebrates in their natural communities. Laboratory and field studies of local forms. Satisfies the departmental diversity requirement. Corequisite: ZOOL 3612. Prerequisite: One year college-level Biology. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Fall)

ZOOL 3660 Birdwatching in Central California (3 units)

Field experience in becoming familiar with the identification, habits, and habitats of birds of Central California. Emphasis on identifying species in the field. Corequisite: ZOOL 3663. Prerequisites: ZOOL 1050 and consent of instructor. (Lecture, 1 hour; activity, 4 hours; field trips) (Winter)

ZOOL 4151 Animal Cells and Tissues (4 units)

Study of various animal cell types and tissues with emphasis on their microstructure and functional relationships. Photomicrography and microphotography will be part of the laboratory experience. Corequisite: ZOOL 4152. Prerequisites: One year of college-level biology, including ZOOL 1050, plus CHEM 1110. (Lecture, 3 hours; laboratory, 3 hours) (**)

ZOOL 4230 Animal Physiology (4 units)

A physiological approach to the evolution of vertebrate organ systems. Satisfies the Physiology elective for the major. Corequisite: ZOOL 4232. Prerequisites: BIOL 3310 and CHEM 3010, 3012, or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

ZOOL 4250 Vertebrate Endocrinology (3 units)

(Formerly Endocrinology) Study of the role of chemical messengers, or hormones, whether they are of endocrine or neural origin, in the control of physiological processes in vertebrates. Hormone source, synthesis, secretion, physiological roles, and pathophysiology will be stressed. Prerequisites: ZOOL 1050 and CHEM 3010, 3012, or equivalent. (Lecture, 3 hours) (Fall)

ZOOL 4280 Physiology of Human Systems (4 units)

Human physiology presented at cellular and organ system levels: membrane transport, nerve excitation, muscle contraction, cardiovascular physiology, kidney function, hormone function, reproduction, and digestion. Satisfies the Physiology elective for the major. Corequisite: ZOOL 4282. Prerequisites: BIOL 3310 and one term of Organic Chemistry. (Lecture, 3 hours; laboratory, 3 hours) (Fall, Spring)

***ZOOL 4420 Invertebrate Zoology I (4 units)**

Structure, classification, distribution, and life histories of invertebrate groups including Protozoa, Porifera, Cnidaria, Acoelomates, Pseudocoelomates, and related phyla. Satisfies the department diversity requirement. Corequisite: ZOOL 4422. Prerequisites: Three college-level Biology courses, including ZOOL 1050, or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Fall)

***ZOOL 4430 Invertebrate Zoology II (4 units)**

Structure and classification, distribution, and life histories of invertebrate phyla, including Annelida, Arthropoda, Mollusca, and related groups. Satisfies the departmental diversity requirement. Corequisite: ZOOL 4432. Prerequisites: Three college-level Biology courses, including ZOOL 1050, or consent of instructor. ZOOL 4420 recommended. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

***ZOOL 4440 General Parasitology (4 units)**

Parasitism with emphasis on parasites of man. Satisfies the departmental diversity requirement. Corequisite: ZOOL 4442. Prerequisite: Two years of college-level Biology or equivalent. (Lecture, 3 hours; laboratory, 3 hours) (Fall)

***ZOOL 4620 Herpetology (4 units)**

Anatomy, behavior, classification, distribution, ecology, evolution, and life histories of amphibians and reptiles. Satisfies the departmental diversity requirement. Corequisite: ZOOL 4622. Prerequisite: ZOOL 1050 or equivalent, or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring of alternate years)

***ZOOL 4630 Ornithology (4 units)**

Behavior, classification, economic importance, evolution, life histories, migration, and special modifications of birds. Identification in field and laboratory. Satisfies the departmental diversity requirement. Corequisite: ZOOL 4632. Prerequisite: ZOOL 1050 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring of alternate years)

***ZOOL 4640 Mammalogy (4 units)**

Classification, distribution, ecology, behavior, and form and function as they relate to life histories of mammals; identification in the field and laboratory. Satisfies the departmental diversity requirement. Corequisite: ZOOL 4642. Prerequisite: ZOOL 1050 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; weekend field trips). (Spring of alternate years)

ZOOL 4650 Field Study: Wood Duck (1 unit)

Students will become acquainted with the nesting biology of wood ducks during an introductory meeting and weekly field observations. Students will monitor several nest boxes placed near various waterways in Stanislaus County. Copies of field observations will be turned in weekly and at the end of the semester, along with final interpretation of data. May be repeated for up to 2 units. Prerequisite: ZOOL 1050 or consent of instructor. (Spring)

ZOOL 4950 Selected Topics in Zoology (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of Zoology. Topics vary each term, thus different topics may be taken for credit. Prerequisite: Consent of instructor.

ZOOL 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

(*) These courses are acceptable for section 1.c requirement for the major.

(**) These courses are not offered on a yearly basis.

Department of Chemistry

Shane L. Phillips, Ph.D., *Chair*

Professors: Byrd, Perona, Stone

Associate Professor: Phillips

Assistant Professors: Russell, C. Stessman, N. Stessman

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**Bachelor of Arts and Bachelor of Science in Chemistry
with a concentration in Environmental Sciences
Minor in Chemistry
Liberal Studies degree concentration in Chemistry**

Bachelor of Arts in Chemistry

The Bachelor of Arts degree program is designed for students seeking to enter professions requiring moderate training in chemistry combined with training in other areas. Examples are technical sales writing, chemical patent law, library work, and high school teaching, as well as health professions such as medicine, optometry, dentistry, medical technology, pharmacy, physical therapy, and veterinary medicine. Students are advised to take specific courses depending on their field of interest; for example, ZOOL 1050, CHEM 4020, 4400, and ZOOL 3130 or ZOOL 3150, or both, in preparation for dental, medical, or veterinary medical schools.

Further information on the health professions area can be obtained from the Pre-Health Professional Program. (See the Biological Sciences section.)

Bachelor of Science in Chemistry

The Bachelor of Science degree program is accredited by the American Chemical Society (ACS) and provides comprehensive training in chemistry for students wishing to become professional chemists in industry or government, or who plan to attend graduate school. Students wishing to receive a degree accredited by the ACS must complete CHEM 4400, CHEM 4610, and either MATH 2530 or MATH 2460, in addition to the Bachelor of Science degree requirements listed. Students obtaining an accredited degree are eligible to join the ACS immediately upon graduation.

Bachelor of Arts or Bachelor of Science in Chemistry**Requirements**

- Complete University General Education requirements for the bachelor's degree (51 units minimum).
- Complete the following prerequisites to the major; CR grades will not be accepted for chemistry course prerequisites.
 - Complete the following required courses in the major field (14 units):
CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques, 4 units
 - Bachelor of Arts students complete the following required courses in supporting fields (21 units):
 - CS 1500 Computer Programming I, 3 units, or equivalent by advisement
 - MATH 1410, 1420 Calculus I, II, 8 units
 - PHYS 2100, 2110 Basic Physics I, II, 10 units, **or**
PHYS 2250, 2260 General Physics I, II, 8 units, **and**
PHYS 2252, 2262 General Physics Laboratory I, II, 2 units
 - Bachelor of Science students complete the following required courses in supporting fields (25 units):
CS 1500 Computer Programming I, 3 units, or equivalent by advisement
MATH 1410, 1420 Calculus I, II, 8 units
MATH 2410 Multivariate Calculus, 4 units
PHYS 2250, 2260 General Physics I, II, 8 units
PHYS 2252, 2262 General Physics Laboratory I, II, 2 units
- Complete a major of not less than 24 upper-division units as specified for the Bachelor of Arts degree, or 31 upper-division units as specified for the Bachelor of Science degree; of these, no more than eight units of CR-graded coursework in courses graded exclusively CR/NC may apply toward the major. Transferred lower division courses (such as community college courses) may be used to fulfill subject requirements, but these will not count towards the minimum number of upper-division units in the major.
- Completion of a minor is not required.

The Bachelor of Arts Major (24 units)

- Complete the following courses (17 units):
CHEM 3010, 3020 Organic Chemistry I, II, 6 units
CHEM 3012, 3022 Organic Chemistry Lab I, II, 2 units
CHEM 4010 Physical Chemistry I, 3 units
CHEM 4012 Physical Chemistry Lab I, 1 unit
CHEM 4021 Additional Topics in Physical Chemistry, 1 unit
CHEM 4100 Instrumental Analysis, 4 units
- Select a minimum of seven credit hours from the following courses:
CHEM 4020 Physical Chemistry II, 3 units
CHEM 4022 Physical Chemistry Lab II, 1 unit
CHEM 4200 Advanced Inorganic Chemistry, 3 units
CHEM 4212 Advanced Chemistry Laboratory, 2 units
CHEM 4300 Advanced Organic Chemistry, 3 units
CHEM 4400 Biochemistry I, 3 units
CHEM 4402 Biochemistry Laboratory I, 1 unit
CHEM 4420 Biochemistry II (VWP), 3 units
CHEM 4940 Chemistry Internship, 2-4 units

- CHEM 4950 Selected Topics in Chemistry, 1-5 units
CHEM 4960 Research Seminar, 1 unit
CHEM 4961 Seminar on Directed Readings, 1 unit
CHEM 4980 Individual Study, 1-4 units

The Bachelor of Science Major (31 units)

- Complete the following courses (25 units):
CHEM 3010, 3020 Organic Chemistry I, II, 6 units
CHEM 3012, 3022 Organic Chemistry Laboratory I, II, 2 units
CHEM 4010, 4020 Physical Chemistry I, II, 6 units
CHEM 4012, 4022 Physical Chemistry Laboratory I, II, 2 units
CHEM 4100 Instrumental Analysis, 4 units
CHEM 4200 Advanced Inorganic Chemistry, 3 units
CHEM 4212 Advanced Chemistry Laboratory, 2 units
- Select a minimum of six credit hours from the following courses:
CHEM 4300 Advanced Organic Chemistry, 3 units
CHEM 4400 Biochemistry I, 3 units
CHEM 4402 Biochemistry Laboratory I, 1 unit
CHEM 4420 Biochemistry II (VWP), 3 units
CHEM 4610 Computer Methods in Chemistry, 2 units
CHEM 4940 Chemistry Internship, 2-4 units
CHEM 4950 Selected Topics in Chemistry, 1-5 units
CHEM 4960 Research Seminar, 1 unit
CHEM 4961 Seminar on Directed Readings, 1 unit
CHEM 4980 Individual Study, 1-4 units
PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
PHYS 4450 Nuclear and Particle Physics, 3 units
PHYS 4530 Thermal and Statistical Physics, 4 units

Note: The following are required for an ACS-accredited degree (7-8 units).

- CHEM 4400 Biochemistry I, 3 units
- CHEM 4610 Computer Methods in Chemistry, 2 units
- MATH 2460 Introduction to Differential Equations, 2 units **or**
MATH 2530 Linear Algebra, 3 units

Minor in Chemistry

The minor in Chemistry requires successful completion of 18 units in Chemistry as approved by the department, including a minimum of 8 upper-division units, with a grade point average of 2.0 or higher.

Environmental Sciences Concentration

A Chemistry major may complete additional requirements in the sciences and mathematics to qualify for a concentration in Environmental 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 of this catalog.

Liberal Studies Concentration in Chemistry

Please refer to the Liberal Studies section of the catalog.

Teaching Credentials

Majors in chemistry interested in multiple subject or single subject credentials are referred to the Teacher Education section of the Graduate Catalog for a description of teaching credential programs.

Learning Objectives

Students will demonstrate:

- An understanding of atoms, ions, and molecules and their relationship to chemical and physical properties of matter.
- A working knowledge of fundamental chemical principles and how they apply to the real world.
- A firm knowledge of major classes of chemicals, their reactivity, and their physical properties.
- The ability to evaluate the quality and usefulness of their data in reaching a conclusion.
- The ability to effectively communicate scientific information orally and in writing.
- The ability to search and find information in the chemical literature.
- The ability to critically evaluate scientific communications (written and oral).
- Independent work and teamwork in the laboratory.
- Competency multi-tasking in the laboratory.

Students will utilize:

- The scientific method to question, to design and perform experiments, and to devise and evolve theories on chemical phenomena.
- Modern methods of chemical synthesis, characterization, and analysis.
- Modern laboratory instrumentation in their experimental work.

Students will apply:

- Mathematical skills and reasoning to derive quantitative results on which their conclusions are based.
- Fundamental chemical principles to design experiments, collect data, and assess the results.

Students will communicate scientific information in writing.

Students will document experimental work in a scientific format.

Graduates will think critically in analysis of chemical properties.

Course Descriptions**Lower Division****CHEM 1000 Chemistry in the Modern World (3 units)**

Basic principles of chemistry as applied to the world around us. A descriptive course designed to satisfy both the General Education requirements of the non-science student and the chemistry requirement for the subject matter preparation program leading to a multiple subject credential. Not open to students with previous college chemistry. Satisfies G.E. area B1. (Lecture, 3 hours) (Fall, Spring)

CHEM 1002 Chemistry in the Modern World Laboratory (1 unit)

An optional laboratory course to accompany CHEM 1000 or 3070. Experiments will illustrate some of the different types of chemistry relevant to the world we live in. These include polymers, the environment, soaps and detergents, medicinal and food chemistry. Satisfies G.E. area B1. Prerequisite: Prior or concurrent enrollment in CHEM 1000, or 3070. (Fall, Spring)

CHEM 1100 Principles of Chemistry I (5 units)

Fundamental principles of chemistry emphasizing atomic structure, periodic properties, theories of bonding, kinetic theory of gases, solution chemistry. Satisfies G.E. area B1. Corequisites: CHEM 1102 (laboratory) and CHEM 1104 (discussion). Prerequisite: A grade of 50 or higher on the ELM, unless exempt, or completion of MATH 0110 or its equivalent with a C or higher grade. (Lecture, 3 hours; laboratory, 3 hours; discussion, 1 hour) (CAN CHEM 2) (Fall, Spring)

CHEM 1110 Principles of Chemistry II (5 units)

A continuation of CHEM 1100, emphasizing gaseous and ionic equilibria, electrochemical principles, thermodynamics, radio-chemistry, and descriptive chemistry of the elements. Satisfies G.E. area B1. Corequisites: CHEM 1112 (laboratory) and CHEM 1114 (discussion). Prerequisite: CHEM 1100. (Lecture, 3 hours; laboratory, 3 hours; discussion, 1 hour) (CAN CHEM 4) (Fall, Spring)

CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques (4 units)

Principles and practice of volumetric, gravimetric, and instrumental methods of analysis. Corequisite: CHEM 2012. Prerequisite: CHEM 1110. (Lecture, 2 hours; laboratory, 6 hours) (CAN CHEM 12) (Fall)

CHEM 2090 Chemistry and Biochemistry for Nurses (5 units)

Fundamental principles of chemistry and biochemistry as they relate to the nursing curriculum. This integrated lecture and laboratory course will emphasize chemistry as it relates to the human body, drugs, laboratory tests, and solutions. Satisfies G.E. area B1. Corequisite: CHEM 2092 (laboratory). Prerequisite: Passing score on ELM or exemption. (Lecture, 4 hours; laboratory, 3 hours)

CHEM 2950 Selected Topics in Chemistry (1-5 units)

(Topics to be specified In Class Schedule) Development of a selected branch of chemistry. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

Upper Division**CHEM 3010 Organic Chemistry I (3 units)**

Structure, properties, reactions, and stereochemistry of carbon compounds. Reaction mechanisms. Applications of spectroscopy to organic molecules. Carbohydrates, amino acids, and proteins. Concurrent enrollment or prior successful completion of CHEM 3012 is required. Prerequisite: CHEM 1110. (Lecture, 3 hours) (Fall, Spring)

CHEM 3012 Organic Chemistry Laboratory I (1 unit)

Basic laboratory techniques, simple organic syntheses, isolation of natural products, multi-step syntheses, gas-liquid chromatography, thin-layer chromatography, qualitative organic analysis, spectroscopic applications to structure determination. Prerequisite: CHEM 1110. (Laboratory, 3 hours) (Fall, Spring)

CHEM 3020 Organic Chemistry II (3 units)

Continuation of CHEM 3010. Concurrent enrollment or prior successful completion of CHEM 3022 is required. Prerequisite: CHEM 3010. (Lecture, 3 hours) (Fall, Spring)

CHEM 3022 Organic Chemistry Laboratory II (1 unit)

Continuation of CHEM 3012. Prerequisite: CHEM 3012. (Laboratory, 3 hours) (Fall, Spring)

CHEM 3070 The Chemicals in Your Life (3 units)

Basic chemical principles will be used to describe the nature of various problems and processes important to contemporary society. These would include application of chemistry in agriculture, health, the environment, and the home. Satisfies G.E. area FI. Prerequisite: Any course applicable to the General Education requirement in the sciences. (Not applicable to the major or minor in chemistry.) (Fall, Spring)

CHEM 3090 Chemistry in the Elementary School Classroom (3 units)

Emphasis on the principles of chemistry and the impact of chemistry on society. Students use cooperative learning projects to develop experiments and demonstrations applicable to the elementary school classroom. Designed specifically for future teachers. (LIBS Integrative: Scientific/Mathematical Inquiry) Prerequisite: Completion of lower- and upper-division science requirements for the Liberal Studies program. (Not applicable to the major or minor in Chemistry.)

CHEM 3100 Environmental Chemistry (3 units)

Chemical principles will be applied to the study of environmentally related processes and phenomena such as acid rain, natural water chemistry, ozone depletion, the greenhouse effect, the treatment of drinking water, waste disposal, and photochemical smog. Satisfies G.E. area FI. Prerequisite: Any course applicable to the General Education-Breadth requirement in the sciences. (Winter) (Not applicable to the major or minor in Chemistry.)

CHEM 3170 Real World Chemistry (3 units)

Integrates the chemical principles of environmental topics with business principles. Prerequisite: Passing score on the ELM. (Not applicable to the major or minor in Chemistry.) Satisfies G.E. area FI. One of three cluster courses in the G.E. Summit Program (The Real World: A Theatrical Work in Progress). Prerequisite: Consent of Summit Program Coordinator.

CHEM 4010 Physical Chemistry I (3 units)

The three laws of thermodynamics, equilibrium, critical properties of gases, osmosis, phase rule, electrochemistry, chemical kinetics, molecular structure, and spectroscopy. Prerequisites: Successful completion of CHEM 1110, one year of calculus, and one year of physics. (Lecture, 3 hours) (Spring)

CHEM 4012 Physical Chemistry Laboratory I (1 unit)

This laboratory accompanies CHEM 4010. Prerequisites: CHEM 2010 and 4010. Enrollment in CHEM 4010 may be concurrent.

CHEM 4020 Physical Chemistry II (3 units)

Continuation of CHEM 4010. Prerequisites: MATH 1420 and CHEM 4010. (Lecture, 3 hours) (Fall)

CHEM 4021 Additional Topics in Physical Chemistry (1 unit)

An introduction to either chemical kinetics or molecular spectroscopy, depending upon the student's interest. The course is intended for B.A. chemistry majors and others desiring a survey of either of these topics, and is not open to B.S. chemistry majors. Prerequisite: CHEM 4010. (Fall)

CHEM 4022 Physical Chemistry Laboratory II (1 unit)

This laboratory accompanies CHEM 4020. Prerequisites: CHEM 4012 and 4020. Enrollment in CHEM 4020 may be concurrent.

CHEM 4100 Instrumental Analysis (4 units)

Instrumental methods of chemical analysis including discussion of the theory and applications of nuclear magnetic resonance, electron spin resonance, mass spectroscopy, infrared, Raman, visible, ultraviolet, and atomic absorption spectroscopy; specific ion electrode methods; gas and liquid chromatography. Corequisite: CHEM 4102. Prerequisites: CHEM 2010, 3020, and 4010. (Lecture, 2 hours; laboratory, 6 hours) (Fall)

CHEM 4200 Advanced Inorganic Chemistry (3 units)

Atomic structure, periodic properties, theories of bonding, structure, introduction to coordination chemistry, and reactions of representative elements. Prerequisite: CHEM 4020 or consent of instructor. (Lecture, 3 hours) (Spring)

CHEM 4212 Advanced Chemistry Laboratory (2 units)

An advanced level course involving modern synthetic and instrumental techniques with an emphasis on inorganic chemistry. Prerequisites: CHEM 4020, 4100, and concurrent enrollment in CHEM 4200. (Spring)

CHEM 4300 Advanced Organic Chemistry (3 units)

Chemical kinetics, structure-reactivity relationships, molecular orbital theory, orbital symmetry, reactive intermediates, rearrangements and neighboring group effects; nucleophilic aliphatic substitution, photochemistry. Prerequisite: CHEM 3020. (Lecture, 3 hours) (Spring, alternate years)

CHEM 4400 Biochemistry I (3 units)

Basic chemistry of proteins, nucleic acids, and lipids. Introductory enzymology and biochemical thermodynamics will also be included. Prerequisite: CHEM 3020. (Fall)

CHEM 4402 Biochemistry Laboratory I (1 unit)

An introduction to biochemical techniques including chromatography, purification of biological molecules, spectrophotometry, and fluorimetry. Prerequisite: CHEM 4400 or concurrent enrollment. (Laboratory, 3 hours). (Fall)

CHEM 4420 Biochemistry II (WP) (3 units)

An in-depth continuation of CHEM 4400. Additional topics will include anabolic and catabolic pathways of carbohydrate, protein, and lipid metabolism. Satisfies upper-division writing proficiency requirement. Prerequisite: Completion of the Writing Proficiency Screening Test with a passing score and CHEM 4400. (Spring)

CHEM 4610 Computer Methods in Chemistry (2 units)

Computer-based methods applied to problems in chemistry. Corequisite: CHEM 4612. Prerequisites: CHEM 2010, MATH 1420, and CS 1500, or equivalent. (Lecture, 1 hour; laboratory, 2 hours). (Winter, alternate years)

CHEM 4910 Cooperative Education (2-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 8 units. Prerequisites: Sophomore standing; CHEM 2010, 3020, 3022, and consent of the department's Co-op Coordinator. (Fall, Spring)

CHEM 4940 Chemistry Internship (2-4 units)

Designed for students in chemistry who wish to apply their educational experience to a practical situation in a public or private agency. Prerequisites: CHEM 2010, 3020, 3022 and consent of Department Internship Coordinator. (Fall, Winter, Spring)

CHEM 4950 Selected Topics in Chemistry (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of chemistry. Topics vary each term. Different topics may be taken for credit. Corequisite: CHEM 4953. Prerequisite: Consent of instructor.

CHEM 4960 Research Seminar (1 unit)

The presentation of research results or topical literature surveys by students and visiting scientists. May be repeated for a total of 2 units. Prerequisite: CHEM 3010 or consent of instructor. (Spring)

CHEM 4961 Seminar on Directed Readings (1 unit)

The presentation and discussion by students of research papers taken from the current chemical literature. Prerequisite: Consent of instructor. (Spring)

CHEM 4980 Individual Study (1-4 units)

For qualified students desiring to do research or to pursue the study of some specialized topic. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Winter, Spring)

Department of Computer Science

Thomas J. Carter, Ph.D., *Chair*

Professors: Carter, Sarraille

Associate Professor: Silverman

Assistant Professors: Thomas, M., Martin

Office: Demergasso-Bava Hall — DBH 287

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**Bachelor of Science in Computer Science
Minor in Computer Science****Bachelor of Science in Computer Science****Requirements**

1. Complete University General Education requirements for a Bachelor of Arts or Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the major. No more than 8 units of CR-graded coursework may apply toward the prerequisites to the major.
3. Complete the major of not less than 37 upper-division units.
4. Complete one upper-division course in Chemistry or Physics/Physical Sciences (3-4 units)
5. Complete PHIL 4401 Professional Ethics, 3 units.
6. Satisfy the Departmental Writing Proficiency requirement.

Note: No upper-division course which applies to the major or to the electives may be taken on a CR-graded basis except CS 4910 (Cooperative Education), CS 4940 (Practicum in Computer Science), and CS 4960 (Seminar in Computer Science). Prerequisites to the major are expected to be completed before upper-division computer science courses are taken. Completion of a minor is not required.

Departmental Writing Proficiency Requirement

1. Pass the university-wide Writing Proficiency Screening Test (or have the equivalent transferred from another campus).
2. Pass a Computer Science course with a WP designation, or obtain certification from the departmental WVP coordinator.

Prerequisites to the Major

CS 1500 Computer Programming I, 3 units

CS 2500 Computer Programming II, 3 units

CS 2700 Assembly Language and Computer Architecture, 3 units

MATH 1410 Calculus I, 4 units

MATH 1420 Calculus II, 4 units

MATH 1620 Probability and Statistics, 4 units

MATH 2300 Discrete Structures, 3 units

MATH 2530 Linear Algebra, 3 units

And either of these sequences:

PHYS 2250, 2260 General Physics I, II with labs, 10 units, **or**
CHEM 1100, 1110 Principles of Chemistry I, II, 10 units

The Major (37 units)

- Complete the following required courses (16 units):
 - CS 3050 File Processing, 3 units
 - CS 3100 Data Structures and Algorithms, 3 units
 - CS 3740 Computer Organization, 3 units
 - CS 3750 Operating Systems I, 3 units
 - CS 4100 Programming Languages (WP), 3 units
 - CS 4960 Seminar in Computer Science, 1 unit
- Depth Requirement (9 units). Complete three of the following:
 - CS 4300 Compiler Theory, 3 units
 - CS 4410 Automata, Computability, and Formal Languages, 3 units
 - CS 4440 Theory of Algorithms, 3 units
 - CS 4480 Artificial Intelligence, 3 units
 - CS 4800 Software Engineering, 3 units
- Select 12 units from the following courses. A course may not be used as an elective if it is used to satisfy the depth requirement; at least 9 units must be in computer science courses. Units from CS 4910, CS 4940, and CS 4950 may be used with prior departmental approval.
 - CS 3000 Communication Networks, 3 units
 - CS 3150 Nonlinear Systems and Chaos, 3 units
 - CS 3200 Computer Simulation Techniques, 3 units
 - CS 3600 Computer Graphics I, 3 units
 - CS 3850 Object Oriented Programming, 3 units
 - CS 4250 Database Management Systems, 3 units
 - CS 4270 Ecommerce Systems Design, 3 units
 - CS 4300 Compiler Theory, 3 units
 - CS 4410 Automata, Computability, and Formal Languages, 3 units
 - CS 4440 Theory of Algorithms, 3 units
 - CS 4450 Coding and Information Theory, 3 units
 - CS 4480 Artificial Intelligence, 3 units
 - CS 4600 Computer Graphics II, 3 units
 - CS 4750 Operating Systems II, 3 units
 - CS 4800 Software Engineering, 3 units
 - CS 4980 Individual Study, 1–4 units
 - CIS 4770 Systems Analysis and Design, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4530 Abstract Algebra, 3 units
 - PHYS 4250 Analog and Digital Electronics, 4 units

Minor in Computer Science

Complete 24 units of computer science coursework from the courses listed below to include a minimum of 9 upper-division units:

- Complete the following lower-division courses:
 - CS 1500 Computer Programming I, 3 units
 - CS 2500 Computer Programming II, 3 units
 - CS 2700 Assembly Language and Computer Architecture, 3 units
 - One of the following year sequence of courses (6-8 units):
 - MATH 1410, 1420 Calculus I, II, 8 units
 - MATH 1910, 1920 Calculus with Applications I, II, 6 units
- Select a minimum of 9 upper-division units as outlined below:
 - CS 3050 File Processing, 3 units
 - CS 3100 Data Structures and Algorithms, 3 units
 - One upper-division CS course as approved by an adviser, 3 units

Learning Objectives

Students will gain a strong foundation in:

- the elements of physical science (physics or chemistry)
- general problem-solving skills, and implementing solutions as computer programs
- college-level mathematics including calculus, statistics, and linear algebra
- mathematical topics specifically relevant to computer science (discrete mathematics)
- machine-level hardware/architecture and assembly language programming.

Students will demonstrate a foundational understanding of:

- external (file system) data storage systems and algorithms
- internal data structures, associated algorithms, and analytic techniques concerning such data structures and algorithms
- ethical issues affecting professionals working in technical and other fields
- computer operating system principles and associated algorithms and implementation issues

Students will demonstrate an in-depth understanding of:

- computer system organization principles and techniques
- principles of computer programming languages, and associated algorithms and techniques
- several important areas of computer science, including some of the more theoretical aspects of the field

Students will achieve a broad exposure to:

- a variety of more advanced topics in computer science.
- upper-division level explorations in the physical sciences

Students will be able to write clearly and effectively about a topic within the discipline, with language and style appropriate to the discipline.

Students will be able to use the knowledge and skills developed throughout the degree program to do individual exploration of a specific topic in computer sciences, and to provide an oral and written presentation of this material to an audience.

Course Descriptions

Lower Division

CS 1000 Introduction to Computers (3 units)

Introduction to the computer for the non-Computer Science major. Selected computer applications, beginning programming, review of hardware and software, social impact of computing, and the future of the computer. Use of microcomputers. Corequisite: CS 1002. (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

CS 1020 Elements of Computing (1 unit)

Introduction to the computer for the non-computer science major. Selected computer applications, review of hardware and software components of a computer, social impact of computing, and the future of the computer. Use of personal computers, particularly effective use of common tools like word processors and spreadsheets. Enrollment preference will be given to CAMP program participants. Freshman only. (Lecture, 1 hour) (Fall)

CS 1500 Computer Programming I (3 units)

The usual entry course for Computer Science majors. Algorithm development and problem-solving methods. Design and development of computer programs using a structured programming language such as C++. Corequisite: CS 1502. Prerequisite: Two years of high school algebra. (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

CS 2000 Effective Computing (3 units)

To familiarize students with current computing technologies used within education, home, and business environments. Topics include productivity tools such as word processing, spreadsheets, hardware, and operating systems. There also will be discussion of ethical and social issues concerning information technologies. Enrollment preference will be given to Liberal Studies majors. Satisfies G.E. area E1. Students may not use both CS 2000 and CS 4000 to satisfy G.E. requirements. Corequisite: CS 2002. (Credit may not be given for both CS 2000 and CS 4000.) (Lecture, 2 hours; laboratory, 2 hours)

CS 2500 Computer Programming II (3 units)

Continued development of discipline in program design, in style and expression, and in debugging and testing, especially for larger programs. Introduction to algorithmic analysis, string processing, recursion, internal search/sort methods, and simple data structures. Introduction to professional methodologies and ethics. Corequisite: CS 2502. Prerequisite: CS 1500. (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

CS 2700 Assembly Language and Computer Architecture (3 units)

Computer programming at the machine level. Machine language and basic machine architecture, addressing modes, subprogram linkage, program sectioning and overlays, I/O programming, macros, and interrupts. Corequisite: CS 2702. Prerequisite: CS 2500. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

Upper Division

CS 3000 Communication Networks (3 units)

Introduction to the operation of computer networks. Communication standards and protocols, network layers, data and packet transmission, internetworking, network applications, emerging technologies, software monitoring tools, social and ethical issues. Corequisite: CS 3002. Prerequisite: CS 2500 (Lecture, 2 hours; laboratory, 2 hours)

CS 3050 File Processing (3 units)

Study of the physical and logical characteristics of data stored on external storage devices. Data structures used to organize such information. Access methods and details of working with file systems. Corequisite: CS 3052. Prerequisite: CS 2500. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

CS 3100 Data Structures and Algorithms (3 units)

Fundamental concepts and abstraction of data structures. The design and analysis of algorithms involving such data structures as arrays, stacks, queues, lists, trees, strings, graphs, and files. Techniques for estimating the time and memory requirements of computer programs. Several large programming assignments. Prerequisite: CS 2500. (Fall, Spring)

CS 3150 Nonlinear Systems and Chaos (3 units)

(Same as COGS 3150) Addresses theoretical and quantitative methods useful for work with nonlinear systems from many fields. Together with its laboratory, the course provides experience with phase space maps, Poincare sections, basins of attraction, strange attractors, and fractals and fractal dimensionality. Emphasizes systems best described by discrete math. Examples are drawn from physics, biology, cognitive science, economics, and other areas. Corequisite: CS 3152. Prerequisite: COGS 2300 or consent of instructor. (Lecture, 2 hours; laboratory, 2 hours).

CS 3200 Computer Simulation Techniques (3 units)

Introduction to simulation, planning computer simulation experiments, simulation models. Simulation methodology, design of experiments, analysis of data validation of models and results. Programming selected applications using simulation languages such as GPSS or simscript. Corequisite: CS 3202. Prerequisites: MATH 1600 or 1610 or 1620 ECON 3205, and CS 1500 or CIS 2010. (Lecture, 2 hours; laboratory, 2 hours) (Spring)

CS 3600 Computer Graphics I (3 units)

Introduction to computer graphics programming using a current graphics API with emphasis on the use of computer graphics in the sciences and mathematics. Course includes modeling, rendering, animation, interaction, and realism. Corequisite: CS 3602. Prerequisite: CS 2500 (Lecture, 2 hours; laboratory, 2 hours) (Fall)

CS 3740 Computer Organization (3 units)

Overview of logical hardware technologies used in digital computer systems, including memory organization, bus structures, CPU pipelining and parallelism, and control unit organization. Prerequisite: CS 2700. (Spring)

CS 3750 Operating Systems I (3 units)

Introduction to computer operating system design and implementation issues. Historical development of operating systems; management of processes, concurrent processes, storage, and I/O systems; distributed operating systems; protection and security; ethical issues relating to security and privacy; and case studies of operating systems. Corequisite: CS 3752. Prerequisites: CS 3100 and CS 3740. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

CS 3850 Object Oriented Programming (3 units)

Presents the most important object-oriented features of a computer programming language such as C++. Emphasis on effective use of the paradigm. Counts for Computer Science elective credit. Corequisite: CS 3852. Prerequisite: CS 2500 or consent of instructor.

CS 4000 Personal Computing (3 units)

Gives the student the knowledge and experience needed to use a personal computer effectively. A range of computers and software will be available; as much as possible, the student will be able to learn about systems which are directly usable in his or her area of study. Topics include discussions of computer hardware, the range of capabilities of the personal computer, how to evaluate a piece of software, and how software is written. Satisfies G.E. area FI. Students may not use both CS 2000 and CS 4000 to satisfy G.E. requirements. Corequisite: CS 4002. Prerequisite: Upper-division standing. (Credit may not be given for both CS 2000 and CS 4000.) (Lecture, 2 hours; laboratory, 2 hours) (Fall, Winter, Spring)

CS 4100 Programming Languages (WP) (3 units)

Study of programming language concepts such as binding, data structures, string handling, control structures, as embodied in various programming languages. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score and CS 3100. (Spring)

CS 4250 Database Management Systems (3 units)

Modeling, development, and implementation of database systems using storage structures, data definition languages, and data manipulation languages for the relational approach to database management. Database integrity and security problems. Historical development of database systems. Corequisite: CS 4252. Prerequisites: CS 3050 and 3100. (Lecture, 2 hours; laboratory, 2 hours) (Spring)

CS 4270 Ecommerce Systems Design (3 units)

Study of technologies and architectures of large, complex, and robust Ecommerce Systems. Discussion of the design and implementation of major subsystems of Ecommerce Systems. Topics: Java and OO design, n-tier architectures, DB access, Java Servlets, and a significant project. Corequisite: CS 4272. Prerequisites: CS 3050 and basic Java. (Lecture, 2 hours; laboratory, 2 hours)

CS 4300 Compiler Theory (3 units)

Lexical, syntactic, and semantic analyses and syntax directed translation of programming languages. Includes symbol table construction, error diagnostics, and code generation. Corequisite: CS 4302. Prerequisite: CS 4100. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

CS 4410 Automata, Computability, and Formal Languages (3 units)

Finite state concepts; sequential machines and state minimization; Chomsky grammar; algorithms on grammars; computability and Turing machines; non-computable functions. Prerequisite: CS 4100. (Spring)

CS 4440 Theory of Algorithms (3 units)

A systematic study of the design and efficiency analysis of algorithms. Coverage of fundamental techniques of algorithms such as greedy, divide-and-conquer, dynamic programming, graph techniques, probabilistic, and parallel. An introduction to computational complexity theory: problem reduction, NP-complete problems, and other complexity classes. Prerequisites: CS 3100 and MATH 2300. (Spring)

CS 4450 Coding and Information Theory (3 units)

Topics to be selected from error detecting and correcting codes, encryption and decryption techniques, RSA and knapsack codes, algebraic coding theory, Hamming distance, sphere packing and its relation to optimal codes, Hamming, Huffman and Gray codes, entropy, channel capacity and Shannon's theorem, bandwidth and the sampling theorem. Prerequisite: CS 3100 or MATH 2300 or equivalent. (Fall)

CS 4480 Artificial Intelligence (3 units)

Notational systems, structures, and strategies for their choice; search strategies; parallel vs. serial processing; communication and perception; applications in psychology, medicine, and robotics. Prerequisite: CS 3100.

CS 4600 Computer Graphics II (3 units)

Computer graphics algorithms and techniques, implementing the graphics techniques used in CS 3600. Projections and transformations, color models, polygon interpolation, advanced splines, ray tracing, volume rendering, and various specialized techniques. Prerequisites: CS 3600; MATH 2530 or equivalent is recommended. (Spring)

CS 4750 Operating Systems II (3 units)

(Formerly CS 3760) A study of operating systems theory, design, and implementation. Topics may include kernel internals; distributed systems; experimental systems; system programming, generation, and configuration; process coordination; and protection and security. Corequisite: CS 4752. Prerequisite: CS 3750. (Lecture, 2 hours; laboratory, 2 hours) (Spring)

CS 4800 Software Engineering (3 units)

(Formerly CS 3800) Introduction to formal techniques in software design, development, and verification. The students will form teams. Each team will design a significant software project. Corequisite: CS 4802. Prerequisites: CS 3050 and 3100. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

CS 4910 Cooperative Education (1-3 units)

An opportunity to acquire relevant practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and a departmental coordinator. May be repeated for a total of six units. Prerequisites: Sophomore standing and consent of coordinator.

CS 4940 Practicum in Computer Science (1-3 units)

Practical experience through directed work with department faculty/staff to extend coursework knowledge. May be repeated for a total of six units. Prerequisites: Upper-division standing and consent of instructor.

CS 4950 Selected Topics in Computer Science (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of computer science. Topics vary each term. Different topics may be taken for a maximum of 6 units. Prerequisites: Senior standing and consent of instructor.

CS 4951 Selected Topics in Computer Science (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of computer science. Topics vary each term. Different topics may be taken for a maximum of 6 units. Corequisite: CS 4953. Prerequisites: Senior standing and consent of instructor.

CS 4960 Seminar in Computer Science (1 unit)

Presentation and discussion of selected topics in computer science from the current literature. Prerequisites: Senior standing and consent of instructor. (Spring)

CS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

Department of Mathematics

Viji K. Sundar, Ph.D., *Chair*

Professors: Abram, Clarke, Fazal, Feldman, Reneau, Sundar

Associate Professor: Jue

Assistant Professors: Bice, Coughlin, An, Hoover, Rock

Lecturers: Moore, Poole, S., Mitchell

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Bachelor of Arts in Mathematics

Bachelor of Science in Mathematics

Bachelor of Arts in Mathematics with Mathematics Subject Matter Preparation Program

Liberal Studies degree concentration in Mathematics

The degree programs presuppose seven semesters of high school level mathematics: algebra (2 years), plane geometry (1 year), and trigonometry (1/2 year); solid geometry and physics are desirable. Deficiencies may be made up by proper selection of courses in the lower division. Recommended courses in lower-division supporting fields are one year of computer science, or economic theory, or general physics with calculus.

Courses in mathematical computing, mathematics, operations research and statistics are designed to provide quality undergraduate training in the mathematical sciences and to serve the needs of majors in mathematics, the natural and social sciences, and other fields. The degree programs of the Department of Mathematics provide preparation for various careers in the mathematical sciences.

Bachelor of Arts or Bachelor of Science in Mathematics

Requirements

1. Complete University General Education Breadth Requirements for a baccalaureate degree (51 units minimum).
2. Complete the following prerequisites to the major (21, 24, or 26 units):
 - MATH 1410, 1420 Calculus, I, II, 8 units
 - MATH 1620 Probability and Statistics, 4 units
 - MATH 2410 Multivariate Calculus, 4 units
 - MATH 2460 Introduction to Differential Equations, 2 units
 - MATH 2530 Linear Algebra, 3 units

Bachelor of Arts in Mathematics with the Mathematics Subject Matter Preparation Program (SMPP) also requires completion of:

CS 1500/1502 Computer Programming I and Lab, 3 units

MATH 1412 Calculus I Laboratory, 1 unit

MATH 1422 Calculus II Laboratory, 1 unit

Bachelor of Science in Mathematics also requires completion of:

CS 1500/1502 Computer Programming I and Lab, 3 units

3. Complete the major of not less than 30 upper-division units in mathematics. All courses which apply to the major must be completed with a grade of C– or better.
4. Complete the following upper-division courses and units for the desired degree program:
 - a. Bachelor of Arts (without the Mathematics Subject Matter Preparation Program)
 - i. Complete the following courses (18 units):
 - MATH 3400 Set Theory and Logic, 3 units
 - MATH 3600 Theory of Numbers, 3 units
 - MATH 4130 Real Analysis I, 3 units
 - MATH 4140 Real Analysis II, 3 units
 - MATH 4530 Abstract Algebra, 3 units
 - MATH 4600 Complex Variables, 3 units

- ii. Complete two of the following courses (6 units):
 - MATH 3230 Differential Equations, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4430 Operations Research, 3 units
 - MATH 4630 Probability Theory, 3 units
- iii. Complete selected upper-division courses as approved by the major adviser so the total upper-division units in mathematics is 30 (6 elective units).
- b. Bachelor of Arts with the Mathematics Subject Matter Preparation Program
 - i. Complete the following courses (28 units):
 - MATH 3060 Modern Geometry, 3 units
 - MATH 3110 History of Mathematics, 3 units
 - MATH 3400 Set Theory and Logic, 3 units
 - MATH 3600 Theory of Numbers, 3 units
 - MATH 4020 Mathematics for Secondary Teachers, 3 units
 - MATH 4022 Mathematics for Secondary Teachers Laboratory, 1 unit
 - MATH 4130 Real Analysis I, 3 units
 - MATH 4530 Abstract Algebra, 3 units
 - MATH 4630 Probability Theory, 3 units
 - MATH 4960 Senior Seminar in Mathematics (VWP), 3 units
 - ii. One elective selected from the following (3 units):
 - MATH 3230 Differential Equations, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4430 Operations Research, 3 units
 - MATH 4600 Complex Variables, 3 units
- c. Bachelor of Science in Mathematics
 - i. Complete the following courses (24 units):
 - MATH 3230 Differential Equations, 3 units
 - MATH 3400 Set Theory and Logic, 3 units
 - MATH 4130 Real Analysis I, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4430 Operations Research, 3 units
 - MATH 4530 Abstract Algebra, 3 units
 - MATH 4600 Complex Variables, 3 units
 - MATH 4630 Probability Theory, 3 units
 - ii. Complete selected upper-division courses as approved by the major adviser so the total upper-division units in mathematics is 30 (6 elective units)
- 5. The following are strongly recommended for all mathematics majors:
 - a. Satisfy the university upper-division writing proficiency requirement by completing MATH 4960 Senior Seminar in Mathematics.
 - b. Depending on the student's interest and professional objectives, complete one of the following sequences of courses outside the discipline of mathematics:
 - CS 1500, 2500 Computer Programming I, II, 6 units
 - ECON 2500, 2510 Principles of Macroeconomics,
Principles of Microeconomics, 6 units
 - PHYS 2250, 2260 General Physics I, II, 8 units

Mathematics Subject Matter Preparation Program

Fulfills subject matter competency prerequisite for entrance into a credential program for a single subject teaching credential in mathematics.

Complete the following courses and other requirements:

1. Core (36 units):
 - MATH 1410 Calculus I, 4 units
 - MATH 1420 Calculus II, 4 units
 - MATH 1620 Probability and Statistics, 4 units
 - MATH 2410 Multivariate Calculus, 4 units
 - MATH 2460 Introduction to Differential Equations, 2 units
 - MATH 2530 Linear Algebra, 3 units
 - MATH 3060 Modern Geometry, 3 units
 - MATH 3110 History of Mathematics, 3 units
 - MATH 3400 Set Theory and Logic, 3 units
 - MATH 3600 Theory of Numbers, 3 units
 - MATH 4530 Abstract Algebra, 3 units
2. Breadth and Perspective (21 units):
 - CS 1500/1502 Computer Programming I and Lab, 3 units
 - MATH 1412 Calculus I Laboratory, 1 unit
 - MATH 1422 Calculus II Laboratory, 1 unit
 - MATH 4020 Mathematics for Secondary Teachers, 3 units
 - MATH 4022 Mathematics for Secondary Teachers Laboratory, 1 unit
 - MATH 4130 Real Analysis I, 3 units
 - MATH 4630 Probability Theory, 3 units
 - MATH 4960 Senior Seminar in Mathematics (VWP), 3 units

One elective selected from the following:

 - MATH 3230 Differential Equations, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4430 Operations Research, 3 units
 - MATH 4600 Complex Variables, 3 units
3. Other Requirements:

A student must meet specified academic standards to obtain department certification for having completed the Mathematics Subject Matter Preparation Program. A brochure describing the program is available from the Department of Mathematics.

Minor in Mathematics**Requirements** (20 units)

1. Complete MATH 1410, 1420 Calculus I, II, 8 units
2. Select upper-division courses in mathematics as approved by the minor adviser, for a minimum of 12 units.

Liberal Studies Concentration in Mathematics

Please refer to the Liberal Studies section of this catalog.

Teaching Credentials

Majors in mathematics interested in multiple subject or single subject credentials are referred to the College of Education section of the Graduate Catalog for a description of teaching credential programs. Students may fulfill the subject matter prerequisites to enter a teaching credential program to obtain a single subject teaching credential in mathematics by completing the Mathematics Subject Matter Preparation Program previously described.

Learning Objectives

Students will be able to:

- Use problem-solving techniques to solve both standard and nonstandard mathematical problems.
- Use mathematical models to represent and solve real-world problems.
- Use appropriate technology for solving mathematical problems.
- Apply mathematical reasoning in solving complex problems.
- Develop enthusiasm and an appreciation for studying and applying mathematics.
- Read and write mathematical proofs.
- Effectively communicate mathematical concepts in written and oral form.
- Demonstrate understanding of the theory, techniques, and applications of calculus and differential equations, linear algebra, geometry, statistics, and abstract algebra.

In addition, students in the Subject Matter Preparation Program (SMPP) will be able to:

- Explain, using a multitude of methods, mathematical concepts taught in secondary education.
- Make written and oral presentations explaining mathematical concepts, ideas, and techniques.

Course Descriptions**Prebaccalaureate**

Note: Courses numbered 0001-0999 are prebaccalaureate level and do not carry unit credit toward the 120 units required for a bachelor's degree.

MATH 0103 Pre- and Beginning Algebra (4 units)

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. 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 32.

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

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 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.

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

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 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.

Lower Division**MATH 1000 Excursions into Mathematics (3 units)**

An introductory course which provides an overview of contemporary mathematics for students who have no technical background. Emphasizes mathematics as used in real life problems. Topics may be selected from the areas of elementary number theory, metric system, geometry, probability, statistics, power of the pocket calculator, and computers. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110, or a passing score on the ELM test, or equivalent. (CAN MATH 2)

MATH 1030 Elementary Foundations of Mathematics I (3 units)

Elementary set theory, number systems, properties of real numbers, solutions of equations, and inequalities. Recommended for students seeking a multiple subject teaching credential. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110, or a passing score on the ELM test, or equivalent. (CAN MATH 4)

MATH 1040 Elementary Foundations of Mathematics II (3 units)

Continuation of MATH 1030. Functions and graphs, elementary probability and statistics, Euclidean geometry, measure, and introduction to analytic geometry. Recommended for students seeking a multiple subject teaching credential. Prerequisite: MATH 1030 with a grade of C– or better.

MATH 1070 College Algebra (3 units)

Review of basic algebraic topics and basic analytic geometry, complex numbers, functional notation, graphs, polynomials and rational functions, exponential and logarithmic functions, systems of equations, and conic sections. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110 (MATH 0110 strongly recommended), or a passing score on the ELM test, or equivalent.

MATH 1080 Trigonometry (3 units)

Angles, trigonometry of right triangles, trigonometric functions of real numbers, trigonometric identities, trigonometric equations, inverse trigonometric functions, law of sines, law of cosines, polar coordinates, and selected applications. Satisfies G.E. area B3. Prerequisite: MATH 1070 with a grade of C– or better or a passing score on the Trigonometry/Precalculus Screening Test.

MATH 1092 Graphing Calculator Laboratory (1 unit)

Advanced problem solving and collaborative learning utilizing graphing calculators. Instruction and demonstrations will be done with the TI-83 Plus calculator; students may use other comparable graphing calculators. Problems will be taken from first year mathematics, chemistry, biology, and other quantitative areas of study, utilizing directed learning activities.

MATH 1100 Precalculus (4 units)

Introduction to analytic geometry, functions, circular and trigonometric functions, trigonometric identities, transcendental functions, and complex numbers. Satisfies G.E. area B3. Prerequisites: MATH 0106, or 0110 (MATH 0110 strongly recommended), or a passing score on the ELM test or equivalent or a passing score on the Trigonometry/Precalculus Screening Test. (CAN MATH 16)

MATH 1410 Calculus I (4 units)

Inequalities, functions and graphs, limits and continuity, the derivative, differentiation of algebraic and trigonometric functions, applications of differentiation, the definite integral, and applications of the definite integral. Satisfies G.E. area B3. Prerequisite: MATH 1080 or 1100 with a grade of C– or better. (CAN MATH 18)

MATH 1412 Calculus I Laboratory (1 unit)

Advanced problem-solving and collaborative learning in Calculus I mathematics. To receive credit, students must attend one of the 2-hour sessions each week. Prerequisite: MATH 1410 with a grade of C– or better or concurrent enrollment in MATH 1410.

MATH 1420 Calculus II (4 units)

Exponential functions, parametric equations, thorough techniques of integration, applications of the definite integral, introduction to first order ordinary differential equations, L'Hôpital's rules, and infinite series. Prerequisite: MATH 1410 with a grade of C– or better. (CAN MATH 20)

MATH 1422 Calculus II Laboratory (1 unit)

Advanced problem-solving and collaborative learning in Calculus II mathematics. To receive credit, students must attend one of the 2-hour sessions each week. Prerequisite: MATH 1420 with a grade of C– or better or concurrent enrollment in MATH 1420.

MATH 1500 Finite Mathematics (3 units)

Counting processes, elementary probability, systems of linear equations and inequalities, matrices, linear programming, simplex method, Markov chains, selected applications. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110, or passing score on the ELM examination, or equivalent. (CAN MATH 12)

MATH 1600 Statistics (4 units)

Introductory course designed for students in the behavioral, biological, and social sciences. The description of sample data, probability and probability distributions, sampling and estimation, testing hypotheses, correlation and regression, introduction to analysis of variance. Satisfies G.E. area B3. Corequisite: MATH 1602. Prerequisite: MATH 0106, or 0110, or a passing score on the ELM test, or equivalent (Lecture, 3 hours; laboratory, 2 hours) (CAN STAT 2)

MATH 1610 Statistics for Decision Making (3 units)

Introductory course for students in business administration. Data summarization, review of probability distributions, estimation, hypothesis testing, correlation, regression. May use statistical computer packages. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110, or a passing score on the ELM test, or equivalent.

MATH 1620 Probability and Statistics (4 units)

Introductory course for mathematics and computer science majors. Combinatorics, probability and random variables, descriptive statistics, estimation, hypothesis testing, and correlation and regression. Use of computers for simulation and statistical analysis. Prerequisite: MATH 1410 with a grade of C– or better.

MATH 1910 Calculus with Applications I (3 units)

The fundamental concepts of calculus and their applications to problems in the behavioral, biological, chemical, decision, and social sciences will be introduced. Functions, graphs, limits, the derivative, and definite integral. Not open to students who are seeking a Bachelor of Arts degree in mathematics, or physics; nor is it open to students seeking a Bachelor of Science degree in chemistry, physics, or mathematics. Satisfies G.E. area B3. Prerequisite: MATH 0106, or 0110 (MATH 0110 strongly recommended), or a passing score on the ELM test, or equivalent. (CAN MATH 30)

MATH 1920 Calculus with Applications II (3 units)

Fundamental concepts of calculus and their applications to problems in the behavioral, biological, chemical, decision, and social sciences will be introduced. Logarithmic and exponential functions, trigonometric functions, techniques of integration, applications of the definite integral, and introduction to calculus in higher dimensions. Not open to students seeking a Bachelor of Arts degree in mathematics or physics; nor is it open to students seeking a Bachelor of Science degree in chemistry, physics, or mathematics. Prerequisite: MATH 1910 or 1410 with a grade of C– or better. (CAN MATH 32)

MATH 2300 Discrete Structures (3 units)

(Formerly MATH 3500) Discrete mathematical structures and their application in computer science. Sets, logic, proof, relations, and functions. Topics selected from combinatorics, recurrence equations, and graph theory. Prerequisite: MATH 1100 or both MATH 1070 and MATH 1080 with a grade of C– or better.

MATH 2410 Multivariate Calculus (4 units)

Vectors in three dimensions, solid analytic geometry, partial differentiation, multiple integration, differentiation under the integral sign, and vector field theory. Prerequisite: MATH 1420 with a grade of C– or better. (CAN MATH 22)

MATH 2460 Introduction to Differential Equations (2 units)

First order differential equations, second order linear differential equations with constant coefficients, power series solutions, and selected applications. Prerequisite: MATH 2410 with a grade of C– or better or consent of instructor.

MATH 2530 Linear Algebra (3 units)

Linear equations and matrices, vector spaces, inner product spaces, linear transformations, determinants, eigenvalues and eigenvectors, and selected applications. Prerequisite: MATH 1420 with a grade of C– or better or consent of instructor. (CAN MATH 26)

MATH 2670 Linear and Abstract Algebra for Teachers (4 units)

Covers California Subject Matter Requirements in linear and abstract algebra, including algebra of vectors and matrices and building blocks in abstract algebra (emphasizing groups and extending to rings and fields). Prerequisite: MATH 1070 with a grade of C or better.

MATH 2950 Selected Topics in Mathematics (1-5 units)

(Topics to be specified in the class schedule) Development of a selected branch of mathematics. Topics may vary each term.

Upper Division**MATH 3030 Geometry for Teachers (3 units)**

Mathematical connections across the curriculum. Real numbers and geometry. Number patterns and geometric patterns. Geometry and algebra. Transformational geometry. Geometric probability and statistics. Recommended for students seeking a multiple subject teaching credential. Not applicable to the major or minor in mathematics. Satisfies G.E. area FI. Prerequisites: MATH 1030 and 1040 with a grade of C– or better, junior standing, or consent of instructor.

MATH 3040 Insights from Mathematics (3 units)

Mathematical connections across the disciplines. Mathematical topics selected from various disciplines such as art, music, philosophy, politics, and the natural sciences. Not applicable to the requirements for the majors or minor in mathematics. Designed specifically for future teachers. (LIBS Integrative: Scientific/ Mathematical Inquiry) Prerequisite: Completion of all lower division math and science requirements in the Liberal Studies major and upper division G.E. FI, with grades of C- or better.

MATH 3060 Modern Geometry (3 units)

Logic of proofs, Hilbert's Axiom System. Incidence, separation, congruence, and continuity. Geometry and real numbers. Neutral Geometry, Non-Euclidean Geometry. Transformations. Prerequisite: MATH 1420 with a grade of C– or better.

MATH 3110 History of Mathematics (3 units)

Origin and development of mathematical ideas from early civilization to the present time. Recommended for prospective and in-service teachers. Prerequisite: MATH 1420 with a grade of C– or better.

MATH 3230 Differential Equations (3 units)

Topics selected from linear systems, existence and uniqueness theorems, singular points, stability theory, transform analysis, and partial differential equations. Prerequisites: MATH 2460 and 2530 with grades of C– or better, or consent of instructor.

MATH 3350 Applied Mathematical Models (3 units)

Roles of mathematical models in society. Use of mathematical models to solve real world problems. Models in behavioral, life, management, and social sciences will be emphasized. Not applicable to the requirements for the majors or minor in mathematics. Satisfies G.E. area FI. Prerequisite: MATH 1040, 1500, 1600, 1610, or 1620 with a grade of C– or better.

MATH 3400 Set Theory and Logic (3 units)

(Formerly MATH 3420) Basic set theory and logic (especially as they apply to writing and understanding mathematical proofs), relations, functions, the Well-Ordering Theorem, and mathematical induction. Prerequisite: MATH 1420 with a grade of “C-” or better.

MATH 3600 Theory of Numbers (3 units)

(Formerly MATH 4500) Study of the properties of integers including mathematical induction, well ordering principle, Euclid's algorithm, divisibility properties, prime numbers, congruence of numbers, calculations, conjectures, selected advanced topics, and selected applications. Prerequisite: MATH 1420 with a grade of C– or better.

MATH 4020 Mathematics for Secondary Teachers (3 units)

Effective communication of mathematical ideas. Techniques for developing mathematical understanding and skills. Analysis and modeling of various forms of delivery of instruction. Prerequisites: MATH 2410 and MATH 2530, each with a grade of C– or better, senior standing, or consent of instructor.

MATH 4022 Mathematics for Secondary Teachers Laboratory (1 unit)

Construction of mathematics to be taught. Communication with mathematics students. Being a classroom facilitator and tutor at a local school for at least twenty hours. Prerequisite: MATH 2410 and MATH 2530, each with a grade of C– or better, senior standing, or consent of instructor.

MATH 4130 Real Analysis I (3 units)

The real number system, sequences, topology of the real line, limits, continuity, and differentiation. Prerequisites: MATH 2410, 2530, 3400, and six additional upper-division units in mathematics (other than MATH 3030, 3040, 3350, 4020, and 4022) with a grade of C– or better or consent of instructor.

MATH 4140 Real Analysis II (3 units)

Riemann integral, infinite series, uniform convergence, and metric spaces. Prerequisite: MATH 4130 with a grade of C– or better or consent of instructor.

MATH 4330 Numerical Analysis (3 units)

Topics selected from floating point arithmetic, errors, nonlinear equations, interpolation, numerical integration, linear systems, and numerical solution of differential equations. Prerequisites: MATH 2410, 2460, 2530, and CS 1500 with grades of C– or better or consent of instructor.

MATH 4430 Operations Research (3 units)

Linear programming theory and applications. Network analysis. Topics selected from game theory, dynamic programming, integer programming, queueing theory, inventory theory, project planning, and scheduling techniques. Prerequisite: MATH 2530 with a grade of C– or better or consent of instructor.

MATH 4530 Abstract Algebra (3 units)

An introduction to the development of the algebraic structures that arise in mathematics and their applications. Topics will be selected from groups, rings, integral domains, fields, and selected applications. Prerequisites: MATH 2410, 2530, 3400, and six additional upper-division units in mathematics and/or computer science with grades of C– or better (other than MATH 3030, 3040, 3350, 4020, 4022, or CS 4000) or consent of instructor.

MATH 4600 Complex Variables (3 units)

Complex numbers, analytic functions, Cauchy–Riemann equations, Cauchy's theorem, Laurent series, calculus of residues, and selected applications. Prerequisite: MATH 2410 with a grade of C– or better.

MATH 4630 Probability Theory (3 units)

Concepts of sample space, probability, random variable, expectation, moment, elementary combinatorial analysis; moment generating function, distribution, and density function. Emphasis on theory and applications. Prerequisites: MATH 1620 and 2410 with grades of C– or better or consent of instructor.

MATH 4640 Statistical Inference (3 units)

Review of relevant probability distributions. Estimation, hypothesis testing, regression, correlation, and analysis of enumerative data. Emphasis on theory and applications. Prerequisites: MATH 2530 and 4630 with grades of C– or better, or consent of instructor.

MATH 4910 Cooperative Education (1-4 units)

Provides an opportunity to acquire relevant, practical experience in supervised paid employment within the discipline. Students are placed in private or public sector positions under the supervision of the employer and departmental Co-op coordinator. May be repeated for a total of 6 units. At most two units of MATH 4910 and/or MATH 4940 are applicable to the requirements for the majors or minor in mathematics. Prerequisites: Sophomore standing; consent of department Cooperative Education coordinator.

MATH 4940 Internship in Mathematics (1-4 units)

Designed for students in mathematics who want to apply their educational experience as an intern to a practical situation in a public or private agency. At most two units of MATH 4910 and/or MATH 4940 are applicable to the requirements for the majors or minor in mathematics. Prerequisite: Consent of Department Internship Coordinator.

MATH 4950 Selected Topics in Mathematics (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of mathematics. Topics vary each term. Different topics may be taken for credit. Prerequisites: Senior standing and consent of instructor.

MATH 4960 Senior Seminar in Mathematics (WP) (3 units)

Synthesizes mathematical knowledge and skills acquired in lower- and upper-division mathematics courses. Oral and written communication of mathematical ideas and problem solving will be emphasized. Satisfies upper-division writing proficiency requirement. Prerequisites: Completion of the Writing Proficiency Screen Test with a passing score; MATH 1620, 2410, 2530, each with a grade of C– or better, completion of General Education-Breadth Requirement A, Communication Skills, declared major in mathematics or enrollment in Mathematics Subject Matter Preparation Program, senior standing, and 15 upper-division units in mathematics applicable to a degree in mathematics or the Mathematics Subject Matter Preparation Program with a grade of C– or better.

MATH 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Senior standing and consent of instructor.

**Department of Physics,
Physical Sciences, and Geology**

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Geology

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**Bachelor of Science in Geology
with a concentration in Applied Geology
Minor in Geology
Liberal Studies degree concentration in Earth Sciences**

The Bachelor of Science degree in Geology is designed to provide the kind of comprehensive background required for students who wish to seek additional training in graduate and/or professional schools. A concentration in Applied Geology serves as professional preparation for employment as hydrologist, engineering geologist, and environmental geologist.

Bachelor of Science in Geology

Requirements

1. Complete University General Education requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites to the major (24 units):
 - a. MATH 1070 College Algebra (3 units) and MATH 1080 Trigonometry (3 units) [or MATH 1100 Precalculus (4 units) or MATH 1410 Calculus I (4 units) in place of MATH 1070]
 - b. CHEM 1100 Principles of Chemistry I (5 units)
 - c. PHYS 2100 Basic Physics I (5 units)
 - d. GEOL 2100 Principles of Geology (3 units) and GEOL 2102 Principles of Geology Lab (1 unit)
 - e. GEOL 2200 History of Earth and Life (3 units) and GEOL 2202 History of Earth and Life Laboratory (1 unit)

3. Complete the major of not less than 51 upper-division units as specified for the Bachelor of Science degree. Some of these units can be counted toward completion of the Applied Geology concentration.
4. Completion of a minor or a concentration is not required.

The Major (51 units)

1. Complete the following required courses (39 units):
 - GEOL 3250/3252 Mineralogy, 4 units
 - GEOL 3810 Hydrogeology, 4 units
 - GEOL 4100/4102 Igneous and Metamorphic Petrology, 4 units
 - GEOL 4350 Geophysical Exploration, 4 units
 - GEOL 4360/4362 Structural Geology, 4 units
 - GEOL 4380/4382 Sedimentary Rocks and Depositional Environments, 4 units
 - GEOL 4390 Paleontology and Stratigraphy, 4 units
 - GEOL 4400 Applied Geology, 3 units
 - GEOL 4402 Applied Geology Laboratory, 1 unit
 - GEOL 4500 Field Geology (WVP), 4 units
 - GEOL 4700 Plate Tectonics, 3 units
2. Select a minimum of 12 units from the following electives. No more than two courses from list b. can be used to satisfy this requirement. Substitution of courses is permitted by approval of adviser.
 - a.
 - GEOL 3050/3053 Environmental Geology, 4 units
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3800/3802 Optical Mineralogy, 3 units
 - GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology, 3 units
 - GEOL 4810/4813 Development and Management of Water Resources, 4 units
 - CHEM 1110 Principles of Chemistry II, 5 units
 - PHYS 2110 Basic Physics II, 5 units
 - MATH 1410 Calculus I, 4 units
 - MATH 1420 Calculus II, 4 units
 - b.
 - GEOL 2300 Numerical Analysis of Geologic Data, 3 units
 - GEOL 2500 Dinosaurs, 3 units
 - GEOL 3500 Earthquakes and Volcanoes, 3 units
 - GEOL 4000 Geologic Field Excursions, 2 units
 - GEOG 4750 Geographic Information Systems, 3 units
 - GEOG 4120 Geomorphology, 3 units
 - CHEM 3100 Environmental Chemistry, 3 units

Applied Geology Concentration

(10 units)

Students wishing to have the Applied Geology Concentration may do so by completing at least three of the following courses to satisfy the elective course requirements of the BS degree.

GEOL 3050 Environmental Geology, 4 units

GEOL 4810 Development and Management of Water Resources, 4 units

GEOG 4750 Geographic Information Systems, 3 units

CHEM 3100 Environmental Chemistry, 3 units

Minor in Geology**Requirements** (18 units)

1. Complete the following lower-division courses:

GEOL 2100 Principles of Geology, 3 units

GEOL 2102 Principles of Geology Lab, 1 unit

GEOL 2200 History of Earth and Life, 3 units

GEOL 2202 History of Earth and Life Lab, 1 unit

Note: Equivalent substitution permitted with approval of minor adviser.

2. Complete upper-division Geology courses as approved by minor adviser, 10 units.

Liberal Studies Concentration in Earth Sciences

Please refer to the Liberal Studies section of the catalog.

Teaching Credentials

Students interested in a single subject teaching credential in the sciences must consult with their adviser about the subject matter competency requirements.

Learning Objectives

Geology majors will be able to:

- Demonstrate literacy in Earth's processes.
- Classify, identify and interpret geologic materials.
- Produce and interpret geologic maps and cross-sections.
- Collect and interpret quantitative scientific data related to earth processes.
- Apply fundamentals of chemistry, physics, math and computer science to solving geologic problems.
- Effectively communicate scientific ideas and results verbally and in writing.
- Retrieve, assimilate and evaluate factual data.
- Use, formulate and test multiple working hypotheses based on the scientific method.
- Use keen observational skills in the laboratory.
- Use keen observational skills in the field.
- Visualize subsurface structures and processes in 3 dimensions.
- Demonstrate depth and breadth of knowledge in one or more advanced specialty fields (advanced electives).

- Recognize, appreciate and communicate scientific uncertainty.
- Conduct independent field work.
- Understand geologic time, evolution, and global processes (e.g., plate tectonics).
- Propose workable solutions to societal problems related to resource exploration and development, construction with the Earth, and environmental issues related to Earth processes.
- Use up-to-date concepts when teaching Earth Science in the classroom.

Course Descriptions**Lower Division****GEOL 2000 California Geology (3 units)**

(Formerly GEOL 2001 Regional Geology of California) Geology of California, with field studies of the Sierra Nevada, San Andreas fault, Coast Ranges, and Central Valley. Plate tectonics, geologic time, evolution and history of California, and its life. Satisfies G.E. area B1 (includes field trips) (Fall, Spring)

GEOL 2100 Principles of Geology (3 units)

An introductory course in physical geology dealing with materials and the internal and external processes of the Earth. Includes global plate tectonics processes responsible for producing and sculpturing geological features of the Earth's crust. Satisfies G.E. area B1. (Lecture, 3 hours) (CAN GEOL 2) (Fall, Spring)

GEOL 2102 Principles of Geology Laboratory (1 unit)

Laboratory to accompany GEOL 2000, 2100 or GEOL 2400. Classification of minerals and rocks; reading and interpreting topographic and geologic maps; studies of selected problems in plate tectonic, structural geology, groundwater and mass movement. One required field trip. Satisfies G.E. area B1. Pre- or corequisite: GEOL 2000, 2100, or 2400. [Required for Geology majors and those seeking a teaching credential under the science waiver program; otherwise optional.] (Laboratory, 3 hours, including a field trip.) (Fall, Spring)

GEOL 2200 History of Earth and Life (3 units)

(Formerly Historical Geology) The evolution and history of Earth and life. Emphasis on past geographic, climatic, and evolutionary changes and causes of past mass extinctions. Comparisons to today's climate change and extinctions. One required field trip. Students with a major or minor in Geology or those seeking a teaching credential in the sciences must take the accompanying lab concurrently (GEOL 2202). Satisfies G.E. area B1. (Lecture, 3 hours, including required field trips) (CAN GEOL 4) (Spring)

GEOL 2202 History of Earth and Life Laboratory (1 unit)

Optional laboratory to accompany GEOL 2200 (History of Earth and Life). Topics of lab exercises will include common minerals and rocks, especially sedimentary rocks and depositional environments, relative time, rock and fossil stratigraphy, radiometric dating techniques, stratigraphic sequences, geologic maps and cross sections, fossils, paleoecology, and evolution. Lab is required for Geology majors and minors and those seeking a teaching credential under the Science Subject Matter Preparation Program; otherwise optional. Satisfies G.E. area B1. Concurrent enrollment: GEOL 2200. (CAN GEOL 4) (Spring)

GEOL 2300 Numerical Analysis of Geologic Data (3 units)

Course covers the various mathematical techniques commonly used by Earth scientists. Includes equation manipulation, trigonometry, logarithms and exponential functions, statistics, matrix algebra, numerical methods for differentiation and integration, and Excel-based computer literacy. Prerequisite: MATH 1100 or consent of instructor. (Fall of odd-numbered years)

GEOL 2400 Introduction to Earth Science (3 units)

Examination of the Earth, its place in the solar system and universe, and its surface, interior, hydrosphere, and atmosphere. Relationships among these earth systems, major earth processes, natural resources, and natural disasters are examined. Satisfies G.E. area B1. (Lecture, 3 hours, including required field trips)

GEOL 2500 Dinosaurs (3 units)

Examines evolutionary history and extinction of dinosaurs; past climatic, environmental, and geographic changes; current topics in dinosaur paleobiology such as feathered dinosaurs, mass extinctions, polar dinosaurs, and new discoveries. Satisfies G.E. area B1. (Fall)

Upper Division**GEOL 3050 Environmental Geology (4 units)**

(Formerly GEOL 3000) Explores environmental remediation, mineral and energy resources, solid waste disposal, and protection of water resources. Includes three field trips and one Forum Day. ITV presentation. Satisfies G.E. area F1. Corequisite: GEOL 3053. (Lecture, 3 hours; activity, 2 hours) Prerequisites: None; recommend GEOL 2100. (Spring of odd years)

GEOL 3250 Mineralogy (4 units)

(Formerly GEOL 4300) Course concerning minerals. Examines crystallography; crystal chemistry; genesis; physical properties; behavior in igneous, metamorphic, and sedimentary environments; minerals in ore deposits; optical properties; and identification both in hand specimen and with optical microscope. Corequisite: GEOL 3252. Prerequisites: GEOL 2100 and GEOL 2102. CHEM 1100 to be taken concurrently if not taken previously, or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

GEOL 3500 Earthquakes and Volcanoes (3 units)

Application of the scientific method and geologic principles to study the nature, causes and consequences of earthquakes and volcanoes. Satisfies G.E. area F1. Prerequisite: Completion of lower-division General Education in natural sciences and mathematics, or consent of instructor. (Lecture, 3 hours) (Fall, Spring)

GEOL 3600 Physical Oceanography (3 units)

Course examines the oceans from a geologic perspective and integrates aspects of physics, chemistry, and biology. Upper-division elective in Geology, elective for Science Subject Matter Preparation Program, required for Geology Subject Matter Preparation Program. No prerequisites; GEOL 2100 is recommended. ITV presentation. Satisfies G.E. area F1. (Lecture, 3 hours) (Spring of odd-numbered years)

GEOL 3650 Geohazards: The Geological Science of Natural Disasters (3 units)

Examines the scientific method and applies it to the study of natural disasters, including earthquakes, volcanic eruptions, soil erosion and pollution, stream pollution and flooding, landslides, solid waste disposal, atmospheric geohazards, and severe weather geohazards. Designed specifically for future teachers. (LIBS Integrative: Scientific/Mathematical Inquiry) Corequisite: GEOL 3652. Prerequisite: Completion of all G.E. or Liberal Studies requirements in area B. (Lecture, 2 hours; laboratory, 3 hours)

GEOL 3800 Optical Mineralogy (3 units)

Optical properties of minerals; identification of selected minerals by optical methods; theory and use of polarizing microscope for determining optical properties of minerals. Corequisite: GEOL 3802. Prerequisites: GEOL 2100 and GEOL 2102. (Lecture, 2 hours; laboratory, 3 hours)

GEOL 3810 Hydrogeology (4 units)

Course addresses the movement of water through the ground, the relationship between geology and groundwater flow, the chemistry of groundwater, and the development of groundwater as a resource. Corequisite: GEOL 3812. Prerequisites or corequisites: GEOL 2100 and 2200, or consent of instructor. (Lecture, 3 hours; laboratory or field trips, 3 hours) (Spring of odd-numbered years)

GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology (3 units)

A study of the linkages between geology, hydrogeology, and soil sciences; emphasis on soil genesis, including weathering and alteration of organic compounds, soil texture, soil structure, soil profile, soil classification, soil testing, and soil conservation. Prerequisites: GEOL 2100 and GEOL 2102 or consent of instructor. (Lecture, 3 hours)

GEOL 4000 Geologic Field Excursions (2 units)

(Formerly California Field Excursions) Provides students with directed field experiences, involving long weekends or winter semester travel to study geologically significant areas in California, the United States, or abroad. Course may be repeated to different destinations. Corequisite: GEOL 4003. Prerequisite: Recommended but not required GEOL 2000, GEOL 2100, or GEOL 2200. (Lecture, 1 hour; activity, 2 hours)

GEOL 4100 Igneous and Metamorphic Petrology (4 units)

(Formerly GEOL 3700) The origin, description, and interpretation of igneous and metamorphic rocks. Lecture focuses on concepts, processes, theory, and research concerning the genesis of igneous and metamorphic rocks; laboratory focus is on identification, classification, and interpretation. Course entails use of optical microscope to study rocks. Field trips. Corequisite: GEOL 4102. Prerequisites: GEOL 2100 and GEOL 2102; GEOL 3250. (Lecture, 3 hours; laboratory, 3 hours)

GEOL 4350 Geophysical Exploration (4 units)

Geophysical exploration techniques: seismic wave propagation; seismic recording instruments; seismic reflection and refraction methods; gravity surveys; magnetic surveys; and geological interpretation of geophysical data. Pre or corequisites: PHYS 2110, MATH 1070, and MATH 1080, or consent of instructor. (Lecture, 4 hours) (Fall of odd-numbered years)

GEOL 4360 Structural Geology (4 units)

Structural geology deals with the ways that rocks respond to deforming forces. The ultimate aim of structural geology is to establish the history of displacements, strains, stresses, strain rates, temperatures, and pressures that the crust and upper mantle have experienced. Corequisite: GEOL 4362. Prerequisites: GEOL 2100 and GEOL 2102. (Lecture, 3 hours; laboratory, 3 hours) (Fall, alternate years)

GEOL 4380 Sedimentary Rocks and Depositional Environments (4 units)

(Formerly Sedimentary Rocks) Modern depositional environments are investigated to interpret sedimentary rock deposits (facies model approach). Labs on sedimentary rock identification, description, and analysis. Field exercises on modern and ancient depositional environments. Field trips are required. Corequisite: GEOL 4382. Prerequisites: GEOL 2100, 2102, 2200, and 2202. (Lecture, 3 hours; laboratory, 3 hours) (Fall of even-numbered years)

GEOL 4390 Paleontology and Stratigraphy (4 units)

(Formerly Stratigraphy) Paleontology, the study of fossils, includes fossil preservation, identification, paleoecology, and evolution. Stratigraphy, the distribution of sedimentary rocks in time and space, includes stratigraphy based on rocks, fossils, chemical, and geophysical properties. Lab and field exercises. Corequisite: GEOL 4392. Prerequisites: GEOL 4380 and GEOL 4382. (Lecture, 3 hours; laboratory, 3 hours, including required field trips)

GEOL 4400 Applied Geology (3 units)

A practical course about the nature of professional geologic work. Includes discussions about engineering geology (the application of geology to the solution of engineering problems, including civil and sanitary engineering), soil mechanics, rock mechanics, hydrogeology, resource exploration (minerals and petroleum), and environmental geology. Pre- or corequisites: GEOL 3250, GEOL 4350, and GEOL 4390, or consent of instructor. (Spring, even-numbered years)

GEOL 4402 Applied Geology Laboratory (1 unit)

Laboratory to accompany GEOL 4400. Soil mechanics, rock mechanics, slope stability analysis, rockfall analysis, seismic engineering, coastal erosion, waste management, exploration for mineral resources, environmental geology. Corequisite: GEOL 4400. (Laboratory, 3 hours, including some field trips) (Spring, even-numbered years)

GEOL 4500 Field Geology (WP) (4 units)

Field methods; use of geological maps in field study; locate and study specific geologic structures; preparation of local maps and formal geologic reports. Satisfies upper-division writing proficiency requirement. Corequisite: GEOL 4502. Prerequisites: Completion of the Writing Proficiency Screening Test with a passing score; GEOL 2100 and GEOL 2102 or consent of instructor. (Lecture, 2 hours; laboratory or field work, 6 hours) (Spring, alternate years)

GEOL 4700 Plate Tectonics (3 units)

(Formerly GEOL 3400) Study of plate tectonic theory — the unifying theory in geology. Continental drift, sea-floor spreading, paleomagnetism, seismic evidence, petrology, geochemistry, structural geology, paleontology, and ore geology, both in support of and implied by the theory, are examined. Prerequisites or corequisites: GEOL 3250, GEOL 4100, and GEOL 4380. (Spring of odd-numbered years)

GEOL 4810 Development and Management of Water Resources (4 units)

(Formerly Water Resources Development and Management) Addresses the growing challenges related to water supply, sustainable solutions to these challenges, strategies for development of water resources, watershed management, and drought management. ITV lectures, three field visits, and one Forum Day. Satisfies G.E. area F1. Corequisite: GEOL 4813. (Lecture, 3 hours; activity, 2 hours) (Fall of even-numbered years)

GEOL 4940 Geology Internship (1-3 units)

Intended for students who are serving as interns or conducting fieldwork with private or governmental agencies. May be repeated for a total of 6 units. Prerequisites: Upper-division standing and consent of adviser. (Fall, Spring)

GEOL 4950 Selected Topics in Geology (1-5 units)

(Topics to be specified in the Schedule of Classes.) Special studies in selected areas of geology. Course content may vary each term; different titles may be taken for credit. Prerequisite: Upper-division standing or consent of instructor. (Fall, Spring)

GEOL 4980 Individual Study (1-4 units)

For the student capable of independent study in geology; may be field-oriented or the study of some specialized topic. Prerequisite: Consent of instructor. (Fall, Spring)

Physics and Physical Sciences

Professors: Chow, Johnson, M., Littlewood, Zhang

Assistant Professor: Mokhtari

Bachelor of Arts and Bachelor of Science in Physics

Bachelor of Arts in Physical Sciences

with concentrations in Applied Physics,
Earth and Space Sciences, or Environmental Sciences

Minor in Microelectronics

Minor in Physics

Minor in Physical Sciences

Liberal Studies degree concentration in Physics and Physical Sciences

Bachelor of Arts and Bachelor of Science in Physics

The Physics curriculum gives students a thorough understanding of the fundamentals and modern applications of physics. The Bachelor of Science program prepares the student for graduate school, a career in scientific research and development, or industrial work. It is also intended for students preparing for interdisciplinary studies on the graduate level in fields such as astronomy and astrophysics, atmospheric science, biophysics, engineering, environmental science, geophysics, or physical oceanography.

The Bachelor of Arts degree program is designed for students seeking to enter professions requiring a moderate training in physics. The lower-division requirements of both degree programs also may be used to prepare for study in engineering. After completion, the student may transfer to engineering programs for upper-division coursework and study in engineering.

Requirements

1. Complete University General Education requirements for the Bachelor of Arts or Bachelor of Science degree (51 units minimum).
 2. Complete the following prerequisites to the major (32-35 units):
 - a. Required courses in major field (10 units):
 - PHYS 2250, 2260 General Physics I, II, 8 units
 - PHYS 2252, 2262 General Physics Laboratory I, II, 2 units
 - b. Required courses in supporting fields (22-25 units):
 - CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
 - MATH 1410, 1420 Calculus I, II, 8 units
 - MATH 2410 Multivariate Calculus, 4 units
- Bachelor of Arts students complete additionally:
- CS 1500 Computer Programming I, 3 units

3. Complete the major of not less than 25 upper-division units as specified for the Bachelor of Arts degree, or 35 upper-division units as specified for the Bachelor of Science degree. No courses graded CR may be counted towards the major except for eight units graded exclusively CR/NC.
4. Completion of a minor is not required.

The Bachelor of Arts Major (25 units)

1. Complete the following courses (22 units):
 - PHYS 3010 Introduction to Mathematical Physics I, 3 units
 - PHYS 3100 Classical Mechanics, 4 units
 - PHYS 3320, 3330 Electricity and Magnetism I, II, 6 units
 - PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
 - PHYS 4102 Advanced Physics Laboratory, 2 units
 - PHYS 4250 Analog and Digital Electronics, 4 units
2. Complete at least three credit hours from the following courses:
 - PHYS 4450 Nuclear and Particle Physics, 3 units
 - PHYS 4560 Solid State Physics, 3 units
 - PHYS 4900 Modern Optics and Lasers, 3 units

The Bachelor of Science Major (35 units)

1. Complete the following courses (32 units):
 - PHYS 3010 Introduction to Mathematical Physics I, 3 units
 - PHYS 3100 Classical Mechanics, 4 units
 - PHYS 3320, 3330 Electricity and Magnetism I, II, 6 units
 - PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
 - PHYS 4102 Advanced Physics Laboratory, 2 units
 - PHYS 4250 Analog and Digital Electronics, 4 units
 - PHYS 4510 Quantum Mechanics I, 3 units
 - PHYS 4520 Quantum Mechanics II, 3 units
 - PHYS 4530 Thermal and Statistical Physics, 4 units
 2. Select three units of upper-division electives in physics and physical sciences.
- Note: The department recommends the following electives:*
- PHYS 3020 Introduction to Mathematical Physics II, 3 units
 - PHYS 4450 Nuclear and Particle Physics, 3 units
 - PHYS 4560 Solid State Physics, 3 units
 - PHYS 4900 Modern Optics and Lasers, 3 units
 - ASTR 3000 Contemporary Astronomy, 3 units

Minor in Physics

Requirements (18 units)

Complete 18 units in Physics as approved by the minor adviser, to include at least 8 upper-division units.

Minor in Microelectronics

This degree minor provides a theoretical and practical understanding of analog/digital signal processing techniques and microprocessor interfacing techniques, with an emphasis on the design and implementation of instrumentation for scientific experiments.

Requirements (25 units)

- Complete the following lower-division courses (14 units):
 - CS 1500 Computer Programming I, 3 units
 - CS 2500 Computer Programming II, 3 units
 - CS 2700 Assembly Language and Computer Architecture, 3 units
 - PHYS 2260 General Physics II, 4 units
 - PHYS 2262 General Physics Laboratory II, 1 unit
- Complete the following upper-division courses (11 units):
 - CS 3740 Computer Organization, 3 units
 - PHYS 4250 Analog and Digital Electronics, 4 units
 - PHYS 4300 Microprocessor Electronics, 3 units
 - PHYS 4302 Microprocessor Laboratory, 1 unit

Liberal Studies Concentration in Physics

Please refer to the Liberal Studies section of the catalog.

Bachelor of Arts in Physical Sciences

This interdisciplinary degree prepares students for a greater diversity of professions requiring an understanding of the fundamentals of the physical sciences, including courses in: astronomy, chemistry, environmental sciences, geology, marine sciences, meteorology, and physics.

A student may pursue a Physical Sciences major by electing one of the following three concentrations: applied physics, earth and space sciences, or environmental sciences. The major may also be pursued without a concentration by completing sufficient upper-division units in two areas of interest chosen from astronomy, chemistry, environmental sciences, geology, marine science, and physics. Consult with a departmental adviser as to the areas of interest and to the proper selection of courses.

Students interested in environmental design, technical administration in government and industry, laboratory technology, legal work pertaining to patents, or scientific librarianship and journalism may elect this major as an opportunity to acquire an education tailored to their individual needs.

The Physical Sciences major whose interest is in marine geology and physical oceanography will be required to enroll in upper-division coursework at the Moss Landing Marine Laboratories for fulfillment of major requirements. Please refer to the Marine Sciences section of the Graduate Catalog.

Physical Sciences majors interested in medical school, dental school, and other health professions such as pharmacy, physical therapy, or optometry should work out a plan of study as soon as possible with their major adviser and the Pre-Health Professions Committee. See the Pre-Health Professions section of this catalog within the Biological Sciences section.

Requirements

- Complete University General Education requirements for the Bachelor of Arts degree (51 units minimum).
- Complete the following prerequisites to the major (28 units):
 - PHYS 2250, 2260 General Physics I, II, 8 units, **and** PHYS 2252, 2262 General Physics Lab I, II, 2 units, **or** PHYS 2100, 2110 Basic Physics I, II, 10 units
 - CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
 - MATH 1410, 1420 Calculus I, II, 8 units
- Complete the major of not less than 24 upper-division units of physical sciences.
- No courses graded CR may be counted toward the major except for 8 units taken in courses graded exclusively CR/NC.
- No minor is required.

The Major

Complete upper-division courses of not less than 24 units by satisfying either 1 or 2 below:

- The student who pursues a Physical Sciences major without a concentration must select two areas of interest in Physical Sciences and complete upper-division courses of not less than 12 units from these areas. The student may, in consultation with the adviser, complete any other courses in Physical Sciences or Mathematics to meet the total required for the major of 24 upper-division units.
- The student also may pursue a Physical Sciences major by completing one of the following concentrations and other appropriate upper-division courses to satisfy the total required units for the major of 24 upper-division units

Applied Physics Concentration

Requirements (25 units)

- Complete the following courses (13 units):
 - PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
 - PHYS 4102 Advanced Physics Lab, 2 units
 - PHYS 4250 Analog and Digital Electronics, 4 units
 - PHYS 4930 Lasers and Holography, 4 units
- Select 12 upper-division units in Physical Sciences or Mathematics, in consultation with the adviser.

Earth and Space Sciences Concentration

Requirements (24 units)

- Select 12 units from the following:
 ASTR 3000 Contemporary Astronomy, 3 units
 GEOL 3050 Environmental Geology, 4 units
 GEOL 3250 Mineralogy, 4 units
 GEOL 4700 Plate Tectonics, 3 units
- Select 12 upper-division units in physical sciences or mathematics, in consultation with the adviser.
 One elective course may be chosen from the following:
 GEOG 3100 Climatology, 3 units
 GEOG 3700 Cartography, 3 units
 GEOG 4120 Geomorphology, 3 units

Environmental Sciences Concentration

Requirements (24 units)

- Complete the upper-division requirements of the Environmental Sciences concentration, 13 units. (See the Environmental Sciences section of this chapter.)
- Select an additional 11 upper-division units of courses in consultation with the adviser.

Minor in Physical Sciences

Requirements (18 units)

Complete 18 units in physical sciences as approved by the minor adviser, to include at least 8 units in upper-division.

Liberal Studies Concentration in Physical Sciences

Please refer to the Liberal Studies section of the catalog.

Learning Objectives

Physics majors will:

- Acquire a basic understanding of the core areas in physics, including classical mechanics, electricity and magnetism, quantum mechanics, and thermodynamics.
- Be able to solve physical problems in a wide range of contexts of physics.
- Have an understanding of scientific method and how to apply it.
- Develop analytical skills and apply them to solve problems in physics.
- Apply mathematical skills and reasoning to solve problems and to derive quantitative results on which their conclusions are based.
- Develop basic laboratory skills and become familiar with measurements and data analysis techniques used in physics and other physical sciences.

- Demonstrate the ability to evaluate the quality and usefulness of their data in reaching a conclusion.
- Use scientific software to present and analyze their data scientifically.
- Learn to participate and contribute effectively as a team member in an experiment.
- Demonstrate the ability to communicate scientific information orally and in writing.
- Demonstrate the ability to search and find information in the physics literature.
- Demonstrate the ability to critically evaluate scientific communications (written or oral).
- Learn to participate and contribute effectively in a team discussion on physics.

Course Descriptions

Physics: Lower Division

PHYS 1500 Energy and Matter (3 units)

Survey of the basic concepts and principles of physics. Topics will range from classical Newtonian mechanics to modern theories of the atom and the nucleus. Satisfies G.E. area B1. Prerequisite: MATH 0106 or MATH 0110, or a passing score on the ELM test or equivalent. (Lecture, 3 hours) (Fall, Spring)

PHYS 1502 Energy and Matter Laboratory (1 unit)

Optional laboratory to accompany PHYS 1500. Satisfies G.E. area B1. Prerequisite: PHYS 1500 or concurrent enrollment in PHYS 1500. (Fall, Spring)

PHYS 2100 Basic Physics I (5 units)

(Formerly PHYS 1100) General physics without using calculus, Newtonian mechanics, wave motion, heat, and thermodynamics. Designed for general students and for students preparing for biology or medicine. Satisfies G.E. area B1. Corequisites: PHYS 2102 and 2104. Prerequisites: Algebra and trigonometry, or consent of instructor. (Lecture, 3 hours; discussion, 1 hour; laboratory, 3 hours) (CAN PHYS 2) (Fall, Spring)

PHYS 2110 Basic Physics II (5 units)

(Formerly PHYS 1110) Continuation of PHYS 2100. Electricity and magnetism, light, optics, atoms, and nuclei. Satisfies G.E. area B1. Corequisites: PHYS 2112 and PHYS 2114. Prerequisite: PHYS 2100. (Lecture, 3 hours; discussion, 1 hour; laboratory, 3 hours) (CAN PHYS 4) (Fall, Spring)

PHYS 2250 General Physics I (4 units)

Calculus-based general physics course for science and mathematics majors. It covers basic mechanics, including motion in a plane, conservation of energy and momentum, rotational motion and angular momentum, harmonic motion and gravitation. Satisfies G.E. area B1. Corequisite: PHYS 2254. Prerequisite: MATH 1410 or consent of instructor. (CAN PHYS 8) (Fall)

PHYS 2252 General Physics Laboratory I (1 unit)

(Formerly PHYS 2350) Laboratory to accompany PHYS 2250. Satisfies G.E. area B1. Prerequisite: PHYS 2250 or concurrent enrollment in PHYS 2250. (Fall)

PHYS 2260 General Physics II (4 units)

Continuation of PHYS 2250. Covers electricity and magnetism, including electrostatics, basic circuits, magnetostatics, Faraday's Law and Induction, and electromagnetic oscillations. Corequisite: PHYS 2264. Prerequisites: PHYS 2250 and MATH 1420 or concurrent enrollment in MATH 1420. (Lecture, 3 hours; discussion, 1 hour) (CAN PHYS 12) (Spring)

PHYS 2262 General Physics Laboratory II (1 unit)

(Formerly PHYS 2360) Laboratory to accompany PHYS 2260. Prerequisite: PHYS 2260 or concurrent enrollment in PHYS 2260. (Spring)

PHYS 2270 General Physics III (3 units)

Continuation of PHYS 2260, covering thermodynamics, waves, optics, and introductory quantum mechanics. Prerequisites: PHYS 2250 and MATH 1420. (Lecture, 3 hours) (CAN PHYS 14)

PHYS 2272 General Physics Laboratory III (1 unit)

(Formerly PHYS 2370) Continuation of PHYS 2262, covering thermodynamics, waves and optics, and modern physics. Prerequisites: PHYS 2260 and MATH 1420.

Physics: Upper Division**PHYS 3010 Introduction to Mathematical Physics I (3 units)**

Matrix algebra, tensors, formulations of the partial differential equations of classical and quantum physics, and the mathematical methods required for their solutions; integral transformations, theory of residues and conformal mapping, special functions. Examples are given from all fields of physics. Prerequisite: PHYS 2260. (Lecture, 3 hours)

PHYS 3020 Introduction to Mathematics Physics II (3 units)

Continuation of PHYS 3010. Prerequisite: PHYS 3010. (Lecture, 3 hours)

PHYS 3080 How Things Work (3 units)

An introduction to physics and the ways in which different aspects of the subject are combined in designing many of the machines and appliances which are in common everyday usage. Satisfies G.E. area F1. (Lecture, 3 hours)

PHYS 3100 Classical Mechanics (4 units)

Dynamics of particles and rigid bodies, gravitation. Lagrangian and Hamiltonian dynamics, theory of oscillations, and the wave equation. Prerequisite: PHYS 2260. (Lecture, 4 hours)

PHYS 3200 Heat, Light, and Sound (3 units)

An examination of several forms of energy and how we experience them in our everyday lives. It includes discussions of heat, light, and sound. Designed specifically for future teachers. (LIBS Integrative: Scientific/Mathematical Inquiry) Corequisite: PHYS 3203. Prerequisite: Completion of all G.E. requirements in areas B1 and F1, all with a grade C- or higher. (Lecture, 2 hours; activity, 2 hours)

PHYS 3320 Electricity and Magnetism I (3 units)

Electrostatics, magnetostatics, electric current, electromagnetic induction, Maxwell's equations, electromagnetic waves, radiative reaction, electric and magnetic properties of materials, properties of wave guides. Prerequisite: PHYS 2260. (Lecture, 3 hours)

PHYS 3330 Electricity and Magnetism II (3 units)

Continuation of PHYS 3320. Prerequisite: PHYS 3320. (Lecture, 3 hours)

PHYS 3520 Modern Physics and Quantum Mechanics (3 units)

Special relativity, origin of quantum theory, the nuclear atom and Bohr theory, elements of quantum mechanics and applications, atomic and nuclear physics, some properties of solids, and elementary particles. Satisfies G.E. area F1. Prerequisite: PHYS 2260 or consent of instructor. (Lecture, 3 hours)

PHYS 3550 Physics for War, Physics for Peace (3 units)

Discusses the scientific background behind some of the technologies which have found applications in both the civilian and military spheres. Satisfies G.E. area F1. One of two paired courses in the G.E. Summit Program (War and Peace). Prerequisites: Completion of lower-division area C2 requirements and consent of Summit Program Coordinator. (Lecture, 3 hours)

PHYS 4102 Advanced Physics Laboratory (1 unit)

Project type experiments in mechanics, heat, electricity, and magnetism, optics, atomic physics, nuclear physics, etc. Prerequisite: PHYS 3520 or consent of instructor. May be repeated for a maximum of 6 units. (Laboratory, 3 hours)

PHYS 4250 Analog and Digital Electronics (4 units)

(Formerly PHYS 4210 and PHYS 4220) An introduction to analog and digital electronics. Topics will be chosen from the following: AC and DC circuit analysis, diodes, transistors and operational amplifiers, feedback, active filters, transducers, Boolean logic, basic gates, sequential logic, flip-flops, counters, and an introduction to microprocessors. Corequisite: PHYS 4252. Prerequisite: PHYS 2260. (Lecture, 3 hours; laboratory, 3 hours)

PHYS 4450 Nuclear and Particle Physics (3 units)

Elements of nuclear structure; nuclear transformation; nuclear models; electromagnetic, weak, and strong interactions; properties of Leptons and Hadrons; symmetries and conservation laws; resonance particles, quarks and subhadronic particles; tools of nuclear and particle physics research. Prerequisite: PHYS 2260 or consent of instructor. (Lecture, 3 hours)

PHYS 4510 Quantum Mechanics I (3 units)

Development of Schrodinger's equation and its interpretations. Mathematical techniques for solution of problems in one and three dimensions. Perturbation and scattering theory. Solution of the hydrogen atom problem. Application to atomic phenomena. Prerequisite: PHYS 3520 or consent of instructor.

PHYS 4520 Quantum Mechanics II (3 units)

Continuation of PHYS 4510. Prerequisite: PHYS 4510. (Lecture, 3 hours)

PHYS 4530 Thermal and Statistical Physics (4 units)

Thermodynamics and statistical mechanics. A unified approach following Gibbs, based on a microscopic description using quantum states. Fermi, Bose, and "Classical" systems are discussed with applications to standard and current topics. Prerequisite: PHYS 3520 or consent of instructor. (Lecture, 4 hours)

PHYS 4560 Solid State Physics (3 units)

Crystal structure, metal crystals, molecular crystals. Thermal, electrical, magnetic properties of crystals. Free electron model of metals, band theory of solids. Prerequisite: PHYS 3520 or consent of instructor. (Lecture, 3 hours)

PHYS 4900 Modern Optics and Lasers (3 units)

Principles of geometrical optics, reflection, refraction, polarization, coherence and interference, Kirchhoff's diffraction theory, Fourier methods in optics, optics of solids, lasers and holography. Prerequisite: PHYS 2260 or consent of instructor. (Lecture, 3 hours)

PHYS 4950 Selected Topics in Physics (1-5 units)

(Topics to be specified in Class Schedule) Development of a selected branch of physics. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Upper-division standing or consent of instructor.

PHYS 4980 Individual Study (1-4 units)

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisites: Upper-division standing and consent of instructor.

PHYS 4990 Undergraduate Thesis (1-2 units)

Undergraduate thesis research. May be repeated for a total of 3 units. Prerequisites: Senior status with a major in physics, and GPA of 3.25 in all Physics major courses completed at CSU Stanislaus.

Physical Sciences: Lower Division**PHSC 1300 Environmental Pollution (3 units)**

Survey of the pollution of the air, water, and land environment. The physical and chemical aspects of pollution by chemicals, pesticides, wastes, radioactivity, heat, and noise. Nuclear energy and radioactive pollution, solar energy, and other alternative energies and their environmental effects. Satisfies G.E. area B1. (Lecture, 3 hours)

PHSC 2100 Atmosphere, Weather, and Climate (3 units)

An introduction to weather and climate phenomena, with emphasis on the weather events that occur in California. Basic principles concerning behavior of the atmosphere and the physical processes underlying weather phenomena. Topics include cloud forms, precipitation, pollution, storms, weather maps, and elementary weather forecasting. Satisfies G.E. area B1. (Lecture, 3 hours)

Physical Sciences: Upper Division**PHSC 4950 Selected Topics in Physical Sciences (1-5 units)**

(Topics to be specified in Class Schedule) Development of a selected branch of physical science. Topics may vary each term. Different topics may be taken for credit. Prerequisite: Consent of instructor.

PHSC 4980 Individual Study (1-4 units)

For students capable of independent work in need of advanced and specialized study. The Physical Sciences department encourages students to submit proposals in areas of their interest. Proposals should outline their projects and exhibit concrete plans for their successful completion. May be repeated for a total of 6 units. Prerequisites: Upper-division standing and consent of instructor.

Astronomy: Lower Division**ASTR 2100 Descriptive Astronomy (3 units)**

Development of astronomical thought from Ptolemy to Einstein; the Earth and the moon; atoms; light and the tools of astronomers; planets, comets, and meteors; the sun, stars, stellar evolution; galaxies and cosmology. Satisfies G.E. area B1. (Lecture, 3 hours) (Fall, Spring)

ASTR 2112 Astronomy Laboratory (1 unit)

Telescope observations of the moon, planets, their satellites, and sunspots. Laboratory experiments related to astronomy. Satisfies G.E. area B1. Prerequisite: ASTR 2100 or concurrent enrollment in ASTR 2100.

Astronomy: Upper Division

ASTR 3000 Contemporary Astronomy (3 units)

A survey of recent developments in astronomy; gamma ray, x-ray, ultraviolet, infrared, and gravitational astronomy; stars, interstellar molecules, stellar evolutions, neutron stars, pulsars, and black holes; galaxies, radio galaxies, quasars; new trends in cosmological thinking, new findings of space programs about the planets and the sun. Satisfies G.E. area FI. Prerequisite: Upper-division standing or consent of instructor. (Lecture, 3 hours)

Joint Engineering Program

Marvin Johnson, Ph.D., *Program Director*

Office: Naraghi Hall of Science — N164
Phone: (209) 667-3466

CSU Stanislaus and the University of the Pacific (UOP) are offering a unique joint program for students seeking a career in engineering. Students may earn a bachelor's degree at CSU Stanislaus in Computer Science, Mathematics, Physics, or another major in the sciences and continue taking courses at UOP to earn a bachelor's degree in Engineering. Through this program, preparation and opportunities can be enhanced for a career in engineering by also obtaining a degree in Computer Science, Mathematics, Physics, or another science. Industry is interested in hiring graduates who are articulate, versatile, and well-rounded—assets that will increase substantially with a second degree.

Employers know that, when combined with the engineering degree, a second degree in math or science leads to increased depth and technical strength. And this program is a great opportunity for students to earn as they learn. A Cooperative Education component offers full-time paid practical experience under the supervision of an engineer with a degree.

To participate in this program, students enroll at CSU Stanislaus and complete all General Education requirements, the prerequisites to both majors, and the CSU Stanislaus major. Then they can transfer easily to UOP to complete one of several Engineering majors with three years of additional full-time study.

After completing one year at UOP, with proper planning, students will be eligible to receive a CSU Stanislaus bachelor's degree. Through a joint agreement between CSU Stanislaus and UOP, an approved Transfer Program Agreement provides a guaranteed admission to UOP's Engineering major.

Students will be required to complete a minimum of 30 specified units at CSU Stanislaus and achieve an overall grade point average of 2.00 and a 2.75 in courses indicated on the Transfer Program Agreement. By carefully planning a full-time program of study, two bachelor's degrees can be received in no more than six years. This timeframe includes an opportunity to enroll in a Cooperative Education program, thereby earning an income, and obtaining valuable practical experience and knowledge of the industry.

California State University, Stanislaus Administration

Hamid Shirvani, Ph.D., L.H.D. (Hon)

President

William Covino, Ph.D.

Provost and Vice President for Academic Affairs

Stacey Morgan-Foster, J.D.

Vice President for Student Affairs

Mary Stephens, M.B.A.

Vice President for Business and Finance

Rebecca Phillips Abbott, M.A.

Interim Vice President for University Advancement

Carl Whitman, M.I.S.

Associate Vice President for Information Technology/CIO

Fred Hilpert, Ph.D.

Faculty Ombudsman Officer and Senior Advisor to the President
on Special Projects

Lauren Gee, J.D., Esq.

Campus Compliance Officer

Academic Affairs

William Covino, Ph.D.

Provost and Vice President for Academic Affairs

Diana Demetrulias, Ed.D.

Vice Provost/Associate Vice President, Assessment & Quality Assurance

Ted Wendt, Ph.D.

Associate Vice President for Faculty Affairs

Roger Pugh, M.A.

Associate Vice President for Enrollment Management

Carl Brown, Ph.D.

Dean, College of Education

Roger McNeil, Ph.D.

Dean, College of Natural Sciences

Nael Aly, Ph.D.

Dean, College of Business Administration

Carolyn Stefanco, Ph.D.

Dean, College of Humanities and Social Sciences

Gary Novak, Ph.D.

Dean, College of Human and Health Sciences

Daryl Moore, FRSA

Dean, College of the Arts

Carl Bengston, M.L.S.

Dean, Library Services



Dave Hamlett, M.S.

Director, CSU Stanislaus-Stockton Center

Hildred Heath, M.A.

Director, Office of International Education

M. Kathleen Silva, Ph.D.

Director, Institutional Research

Vice Provost**Diana Demetrulias, Ed.D.**

Vice Provost/Associate Vice President, Assessment & Quality Assurance
(vacant)

Assistant Vice President, Research and Sponsored Programs

Enrollment Services**Roger Pugh, M.A.**

Associate Vice President for Enrollment Management

Lisa Bernardo, B.A.

Dean of Admissions/Registrar

Matthew Sanchez, M.P.A.

Director, Financial Aid and Scholarships

Robert Bechill, M.S.

Interim Director, University Extended Education

Faculty Affairs**Ted Wendt, Ph.D.**

Associate Vice President for Faculty Affairs

Armin Schulz, Ed.D.

Director, Faculty Center for Excellence in Teaching and Learning

Business and Finance**Mary Stephens, M.B.A.**

Vice President for Business and Finance

Robert Gallegos

Assistant Vice President, Facilities and Support Services

Nancy Havens, CPA, MPA

Associate Vice President, Financial Management

Steve Jaureguy, M.A.

Chief of Police/Director of Public Safety

Mary Kobayashi-Lee, B.A.

Director, Human Resources

Clyta Polhemus, B.A.

Executive Director, Auxiliary Business Services

Information Technology**Carl Whitman, M.I.S.**

Associate Vice President for Information Technology/Chief Information Officer

Charles Holmberg, M.B.A.

Director, Administrative Technology Support

David Klein, P.E.

Director of Network and Communications Services

Brian Duggan, M.A.

Interim Director, Distance Learning

Student Affairs**Stacey Morgan-Foster, J.D.**

Vice President for Student Affairs

Fernando Beltran, B.A.

Interim Director, Educational Opportunity Program

Daniel Berkow, Ph.D.

Director, Counseling Services

Leland Bettencourt, M.S.W., L.C.S.W.

Director, Disability Services

Melissa Borrelli, J.D.

Senior Director of Administration

Jean Grech-Conde, M.Ed.

Senior Director of Campus Life and Director of Housing and Residential Life

Robert Harris, M.S.

Associate Athletics Director for Administration

MaryLouisa Herrera, B.A.

Director, Tutoring Services

Christine Hollister, M.P.A.

Director, Career Development Services

Jennifer Humphrey, M.P.A.

Assistant Director, Housing and Residential Life

Ronald Noble, M.S.W.

Dean of Students/Associate Vice President for Student Affairs

Rob Pecot, M.Ed.

Interim Director, Student Leadership and Development

Lee Renner, M.A.

Senior Director of Retention and Advising

Jessi Reyes-Murray, M.P.A.

Director, Student Support Services

Milton Richards, Ed.D.

Director, Athletics

Jill Tiemann-Gonzalez, B.S.

Director, Budget and Special Projects

Hung Tsai, M.A.

Assistant Athletics Director, Sports Information

(vacant)

Associate Athletics Director for Compliance/Team Management

Bruce Wilbur, M.D.

Interim Director, Student Health Center

University Advancement**Rebecca Phillips Abbott, M.A.**

Interim Vice President for University Advancement

Tiffani Burns

Director, Major Gifts

Kristin Olsen, B.A.

Director, Public and Institutional Relations

Larry Peters, B.A.

Director, University Communications

(vacant)

Director, Advancement Services

(vacant)

Director, Alumni Relations and Annual Giving

(vacant)

Director, Corporate and Foundation Relations

Faculty

(This list includes tenure-track faculty, full-time lecturers and program directors. It was current as of July 2007. Faculty awarded Emeritus honors while participating in the Faculty Early Retirement Program are also listed here.)

- ABRAM, Thomas J. (1983), Professor of Mathematics; B.A. 1974, M.S. 1976, California State University, Northridge; Ph.D. 1983, University of California, Santa Barbara
- ABU KHALIL, As'ad (1993), Professor of Politics/Public Administration; B.A. 1981, M.A. 1983, American University of Beirut; Ph.D. 1988, Georgetown University, Washington, D. C.
- AFONSO, Daniel R. (1999), Associate Professor of Music; B.M.E. 1990, Universidade do Rio de Janeiro; M.M. 1996, University of Missouri, Kansas City; D.M.A. 2003, University of Iowa
- AKWABI-AMEYAW, Kofi (1990), Professor of Anthropology; B.A. 1970, University of Ghana; M.A. 1981, University of Cincinnati; Ph.D. 1988, University of Florida
- ALCALA-VAN HOUTEN, Luzmaria (2006), Assistant Professor of Nursing; B.S. 1994, California State University, Los Angeles; M.S. 2005, University of California, San Francisco
- ALY, Nael A. (1984), Dean, College of Business Administration; Professor of Operations Management; B.S. 1974, M.S. 1978, Alexandria University, Egypt; M.S. 1981, Ph.D. 1985, University of Oklahoma
- AN, Jung-Ha (2007), Assistant Professor of Mathematics; B.S. 1995, M.S. 1997, Chonbuk National University, Chonbuk, South Korea; Ph.D. 2005, University of Florida, Gainesville
- ANDREWS, Donna (2007), Assistant Professor of Teacher Education; B.S. 1981, M.Ed. 1982, St. Lawrence University; Ph.D. 1994, Ohio State University
- ANDRÉS, Carlos M. (2001), Associate Professor of Spanish; M.A. 1989, Ohio State University; Ph.D. 1995, University of Wisconsin-Madison
- AROUNSACK, S. Steve (2006), Lecturer, Department of Biological Sciences; B.S. 1999, M.S. 2001, California State University, Stanislaus; Ph.D. 2006, University of California, Davis
- ASHER, Rita Ann (1982), Professor of Psychology; B.S. 1975, State University College at Fredonia (New York); M.S. 1979, Ph.D. 1984, Texas Tech University
- BADAL, Ashour (2005), Lecturer, Department of Management, Operations, and Marketing; B.A. 1992, California State University, Stanislaus; M.A. 1994, California School of Professional Psychology; M.A. 1997, Ph.D. 2001, The Fielding Institute
- BAKER, Kurt D. (2002), Associate Professor of Psychology; B.A. 1985, Utah State University; M.A. 1990, Ph.D. 1994, Memphis State University
- BARGETTO-ANDRÉS, Teresa M. (2001), Associate Professor of Spanish; M.A. 1989, Ohio State University; Ph.D. 1997, University of Wisconsin-Madison
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Andrew Janz	Student Representative

Directors

Bill Ahlem	Patty Griffin
Dorothy Bizzini	Paul Kortschak
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Matthew Bruno	Steve Mort
Moses Elam	Matt Swanson
Bob Endsley	Nick Trani
Ed Fitzpatrick	Robert Triebisch
Ron Foster	Jane Vilas
Steve Gemperle	Paula Zagaris Leffler
Ernie Gemperle	Director Emeritus

Emeritus Faculty

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AHANOTU, Austin Metumara (1970), Professor of History, Emeritus, B.A. 1967; Berea College; M.A. 1968, Ph.D. 1971, University of California, Los Angeles

ALMY, John (1971), Professor of Organic/General Chemistry, Emeritus; B.A. 1964, Johns Hopkins University; Ph.D. 1969, University of California, Los Angeles

ALTER, Richard D. (1979), Professor of Communication Studies, Emeritus; B.A. 1961, Ohio Wesleyan University; M.A. 1965, Ph.D. 1967, University of Utah

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BANKS, Amberse M. (1978), Lecturer in Mathematics, Emeritus; B.S. 1950, California State University, Fresno; M.S. 1958, Emory University; M.S. 1970, Western Washington University

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BLODGETT, Harriet H. (1989), Professor of English, Emerita; A.B. 1954, Queens College, New York; M.A. 1956, University of Chicago; Ph.D. 1968, University of California, Davis

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- BOWERS, Donald W. (1971), Professor of Sociology, Emeritus; B.A. 1967, M.A. 1969, Ph.D. 1973, University of Utah
- BOYER, Laura M. (1987), Librarian (Reference Coordinator), Emerita; A.B. 1956, George Washington University; A.M. 1959, University of Denver; A.M. 1961, George Peabody College
- BRUGGMAN, Joseph E. (1960), Professor of Music, Emeritus; B.A. 1941, San Jose State University; M.A. 1947, Ed.D. 1949, Columbia University
- CAMARATA, Martin L. (1964), Professor of Art, Emeritus; B.S. 1956, State University of New York at Buffalo; M.A. 1957, New York University
- CHANG, Shang-Wang (1969), Professor of Mathematics, Emeritus; B.E. (Engineering) 1947, Tohoku University, Japan; M.S. 1961, Kansas State Teachers College; Ph.D. 1969, Iowa State University
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- CHOW, Tai-Low (1969), Professor of Physics, Emeritus; B.S. 1958, National Taiwan University; M.S. 1963, Case Western Reserve University; Ph.D. 1970, University of Rochester
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- CRIST, William D. (1969), Professor of Economics, Emeritus; B.S. 1960, M.A. 1962, Ph.D. 1972, University of Nebraska
- CRUZ, Julia G. (1990), Professor of Spanish; B.A. 1962, M.A. 1977, Ph.D. 1982, The University of Texas at Austin
- CUNNINGHAM, Robert S. (1982), Professor of Computer Science, Emeritus; B.A. 1964, Drury College; M.A. 1966, Ph.D. 1969, University of Oregon; M.S. 1982, Oregon State University
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- FARRAR, Charles R. (1960), Professor of Education, Emeritus; B.A. 1949, M.A. 1950, Humboldt State University; Ed.D. 1963, Stanford University
- FINLEY, T. Peter (1970), Lecturer and Department Chair in Liberal Studies, Emeritus; Director of Academic Advising; B.A. History, 1958, B.A. English, 1964, Ph.D. 1972, University of Washington
- FISK, Robert S. (1995), Professor of Mathematics, Emeritus; B.S. 1960, M.S. 1962, Ph.D. 1977, University of Wyoming
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- HABASHI, Zaki (1965), Professor of Physical Education, Emeritus; B.S. 1944, Higher Institute of Physical Education, Cairo, U.A.R.; M.A. 1957, University of Wyoming; L.L.B. 1962, University of Alexandria, U.A.R.; Ed.D. 1961, University of Colorado
- HACKWELL, Glenn A. (1961), Professor of Zoology, Emeritus; B.S. 1957, M.S. 1958, Brigham Young University; Ph.D. 1967, Oregon State University; Registered Professional Entomologist, 1972, Entomological Society of America
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- KEELER, Judith A. (1969), Professor of Zoology, Emerita; B.A. 1966, Whittier College; M.S. 1969, Ph.D. 1973, Northwestern University
- KIMLICKA, Thomas M. (1978), Professor of Psychology, Emeritus; A.B. 1973, University of California, Berkeley; M.S. 1976, Ph.D. 1978, Washington State University
- KIMYAI, Abbas (1984), Professor of Geology, Emeritus; B.A. 1956, Teachers College, Tehran, Iran; B.S. 1956, Tehran University; Ph.D. 1964, New York University
- KOBUS, Doni K. (1986), Professor of Education, Emeritus; B.S. 1968, Cornell University; M. Ed. 1975, Ed.D. 1985, University of the Pacific
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- MACK, Gerhard G. (1970), Professor of Language & Literature: German, Emeritus; A.B. 1965, California State University, Los Angeles; M.A. 1967, Ph.D. 1971, University of Southern California
- MAYOL, Pete S. (1968), Professor of Botany, Emeritus; B.S.A. 1957, University of the Philippines; M.S. 1965, Oklahoma State University; Ph.D. 1968, Purdue University
- McCREARY, Jamie M. (1975), Professor of Psychology, Emeritus; B.S. 1971, University of Pittsburgh; M.A. 1972, Ph.D. 1975, University of Florida
- McDERMOTT, Douglas W. (1970), Professor of Drama, Emeritus; A.B. 1958, Pomona College; M.A. 1960, University of North Carolina; Ph.D. 1963, University of Iowa
- McGEE, Winston E. (1976), Professor of Art, Emeritus; B.J. 1948, A.M. 1949, University of Missouri
- MIDDLETON-KEIRN, Susan (1981), Professor of Anthropology/Women Studies, Emerita; B.A. 1967, M.A. 1970, Ph.D. 1975, University of Florida
- MOREN, Martha M. (1971), Professor of Physical Education, Emerita; B.S. 1967, M.S. 1971, California State University, Hayward
- MORGAN, Cynthia L. (1974), Professor of Psychology, Emerita; former Dean, CSU Stanislaus Stockton Center; B.A. 1968, Temple University; M.A. 1971, Ph.D. 1974, University of Wisconsin, Madison
- MORICONI, R. J. (1968), Professor of Education, Emeritus; A.B. 1955, M.A. 1957, Stanford University; Ed.D. 1967, University of Florida
- NAPTON, Lewis K. (1971), Professor of Archaeology, Emeritus; B.S. 1959, Montana State University; M.A. 1965, University of Montana; Ph.D. 1970, University of California, Berkeley
- NELSON, Wayne E. (1970), Professor of Physical Education, Emeritus; B.S. 1951, M.S. 1957, University of Wisconsin; Ed.D. 1970, University of New Mexico
- NORTON, Max C. (1961), Professor of Communication Disorders, Emeritus; B.A. 1951, M.A. 1955, University of the Pacific; Ph.D. 1962, University of Denver
- OPPENHEIM, Samuel A. (1971), Professor of History, Emeritus; B.A. 1962, University of Arizona; A.M. 1964, Harvard University; Ph.D. 1972, Indiana University
- PANDELL, Alexander J. (1970), Professor of Chemistry, Emeritus; B.S. 1964, San Francisco State University; Ph.D. 1968, Stanford University

- PAPAGEORGE, Andrew J. (1984), Professor of Management, Emeritus; B.S. 1943, U.S. Naval Academy; M.B.A. 1954, Stanford University; Ph.D. 1967, University of California, Los Angeles
- PARKER, J. Carlyle (1963), University Archivist, Emeritus; A.B. 1957, Brigham Young University; M.L.S. 1958, University of California, Berkeley
- PARTON, Ralf (1963), Professor of Art, Emeritus; Diploma 1953, Albright Art School; B.A. 1954, State University of New York at Buffalo; M.A. 1955, Columbia University
- PIERCE, Wayne S. (1971), Professor of Botany, Emeritus; A.B. 1964, Humboldt State University; M.S. 1967, Ph.D. 1971, Washington State University
- PISKOTI, James (1969), Professor of Art, Emeritus; B.S. 1967, University of Michigan; M.F.A. 1969, Yale University
- PITMAN, Leon S. (1969), Professor of Human Geography, Emeritus; B.S. 1965, Brigham Young University; M.A. 1966, University of Oklahoma; Ph.D. 1973, Louisiana State University
- RASMUSSEN, John P. (1962), Professor of History, Emeritus; B.A. 1955, California State University, Fresno; M.A. 1959, Ph.D. 1962, Stanford University
- RENNING, H. Dieter (1970), Professor of Economics, Emeritus; Dr. rer. pol. (Doctor of Economics) 1961, University of Freiburg, Germany
- REUBEN, Paul P. (1971), Professor of Language & Literature: English, Emeritus; B.A. 1961, Patna College, India; M.A. 1963, Patna University, India; Ph.D. 1970, Bowling Green State University
- RUSHDOONY, Haig A. (1961), Professor of Education, Emeritus; A.B. 1949, M.A. 1953, San Francisco State University; Ed.D. 1961, University of California, Berkeley
- SANTOS, Robert L. (1970), Librarian/University Archivist, Emeritus; B.S. 1969, California State University, Stanislaus; M.A. 1970, University of Southern California
- SANTOS, Robert Lee (1980), International Students Advisor; Student Services Professional, Academic Related III, Emeritus; B.A. 1968, California State University, Stanislaus; M.A. 1970, California State University, Sacramento; Ph.D. 1979, Southern Illinois University at Carbondale
- SCHWARCZ, Ervin H. (1967), Professor of Physics, Emeritus; B.S. 1945, Ohio State University; M.S. 1948, Ph.D. 1955, University of Michigan
- SETTERA, George E., Jr. (1971), Professor of Language and Literature, Emeritus; B.S. 1964, Portland State University; Ph.D. 1971, University of Oregon
- SHAW, Gary C. (1969), Professor of Political Science, Emeritus; B.A. 1966, Utah State University; M.A. 1967, Ph.D. 1970, Michigan State University
- SHERMAN, Stanley E. (1969), Professor of Psychology, Emeritus; B.A. 1956, University of California, Berkeley; B.D. 1959, Berkeley Baptist Divinity School; M.A. 1966, San Jose State University; Ph.D. 1969, University of Washington; Certified Clinical Psychologist 1970, State of California
- SMITH, Priscilla R. (1968), Professor of Education, Emerita; A.B. 1941, John R. Stetson University; M.Ed. 1955, National College Education; Ed.D. 1963, University of Denver
- SMURR, J. W. (1967), Professor of History, Emeritus; B.A. 1950, M.A. 1951, University of Montana; Ph.D. 1960, Indiana University
- THOMPSON, Evan M. (1965), Professor of Organic/General Chemistry, Emeritus; B.A. 1960, Ph.D. 1964, Brigham Young University
- TORDOFF, Walter III (1970), Professor of Zoology, Emeritus; B.A. 1965, University of Massachusetts; M.S. 1967, Ph.D. 1971, Colorado State University
- TOWELL, Janet H. (1990), Professor of Teacher Education, Emerita; B.S. 1972, M.A. 1979, Appalachian State University; Ed.D. 1985, University of Maryland, College Park
- TRIPI, Frank J. (1971), Professor of Sociology, Emeritus; B.A. 1961, M.A. 1963, California State University, Los Angeles; Ph.D. 1971, University of California, Los Angeles

- VANDERMOLEN, Ronald J. (1969), Professor of History, Emeritus; B.A. 1961, Calvin College; M.A. 1962, DePaul University; Ph.D. 1969, Michigan State University
- VAN REGENMORTER, Robert J. (1981), Professor of Accounting, Emeritus; B.A. 1963, Ferris State College; M.B.A. 1966, Michigan State University; Ph.D. 1973, Oklahoma State University; C.P.A. 1974, State of Tennessee (inactive)
- VELLENGA, Daniel R. (1986), Professor of Finance, Emeritus; B.S. 1961, M.B.A. 1963, University of Illinois, Urbana; Ph.D. 1974, Michigan State University
- WADE, Jere D. (1969), Professor of Drama, Emeritus; B.A. 1958, M.A. 1966, University of California, Davis; Ph.D. 1972, University of Oregon
- WAGNER, Irma Guzman (1995), Dean, School of Education; Professor of Teacher Education, Emerita; B.A. 1961, San Jose State University; M.A., Ph.D. 1976, Claremont Graduate School
- WASHINGTON, Delo E. (1972), Professor of Black Studies, Emerita; B.A. 1957, Spelman College; M.S.W. 1959, Atlanta University; Ph.D. 1977, University of California, Berkeley
- WEBSTER, William G. (1976), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education), Emeritus; B.S. 1951, Southern University, Baton Rouge; M.S. 1967, California State University, Hayward; Ed.D. 1976, University of the Pacific
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- WILLIAMS, Jack W. (1969) Professor of Language and Literature: English, Emeritus; B.A. 1962, M.A. 1966, University of Colorado
- WOLD, John T. (1970), Professor of Political Science, Emeritus; B.A. 1965, California Lutheran University; M.A. 1968, Ph.D. 1972, Johns Hopkins University
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The California State University

The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became the California State University and Colleges, and in 1982 the system became the California State University. Today, the campuses of the CSU include comprehensive and polytechnic universities and, since July 1995, the California Maritime Academy, a specialized campus.

The oldest campus — San José State University — was founded in 1857 and became the first institution of public higher education in California. The newest—CSU Channel Islands—opened in fall 2002, with freshmen arriving in fall 2003.

Responsibility for the California State University is vested in the Board of Trustees, whose members are appointed by the Governor. The Trustees appoint the Chancellor, who is the chief executive officer of the system, and the Presidents, who are the chief executive officers of the respective campuses.

The Trustees, the Chancellor, and the Presidents develop systemwide policy, with implementation at the campus level taking place through broadly based consultative procedures. The Academic Senate of the California State University, made up of elected representatives of the faculty from each campus, recommends academic policy to the Board of Trustees through the Chancellor.

Academic excellence has been achieved by the California State University through a distinguished faculty whose primary responsibility is superior teaching. While each campus in the system has its own unique geographic and curricular character, all campuses, as multipurpose institutions, offer undergraduate and graduate instruction for professional and occupational goals as well as broad liberal education. All the campuses require for graduation a basic program of “General Education Requirements” regardless of the type of bachelor’s degree or major field selected by the student.

The CSU offers more than 1,800 bachelor’s and master’s degree programs in some 240 subject areas. Many of these programs are offered so that students can complete all upper division and graduate requirements by part-time, late afternoon, and evening study.

In addition, a variety of teaching and school service credential programs are available. A limited number of doctoral degrees are offered jointly with the University of California and with private institutions in California. Continuing to expand its educational scope, seven CSU campuses will offer educational doctorate programs in fall 2007, and six more campuses will launch programs in 2008. The Ed.D. programs will meet workforce demands for advanced training for administrators in California’s public K-12 school systems and community colleges.

Enrollments in fall 2006 totaled 417,000 students who were served by 46,000 faculty and staff. The system awards about half of the bachelor’s degrees and a third of the master’s degrees granted in California. Nearly 2.5 million persons have been graduated from CSU campuses since 1960.

The California State University International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of The California State University (CSU). Since its inception in 1963, the CSU International Programs has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 15,000 CSU students have taken advantage of this unique study option.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or special study center abroad. The International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 70 recognized universities and institutions of higher education in 20 countries, the International Programs also offers a wide selection of study locales and learning environments.

Australia	Griffith University Macquarie University Queensland University of Technology University of Queensland University of Western Sydney Victoria University
Canada	The universities of the Province of Quebec including: Bishop's University Concordia University McGill University Université Laval Université de Montréal Université du Quebec system
Chile	Pontificia Universidad Católica de Chile (Santiago)
China	Peking University (Beijing)
Denmark	Denmark's International Study Program (the international education affiliate of the University of Copenhagen)
France	Institut des Etudes Françaises pour Étudiants Étrangers, L'Académie d'Aix-Marseille (Aix-en-Provence) Universités de Paris III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII, the Institute of Oriental Languages and Civilizations, and Université Evry.
Germany	University of Tübingen and a number of institutions of higher education in the Federal state of Baden-Württemberg
Ghana	University of Ghana, Legon

Israel	Tel Aviv University The Hebrew University of Jerusalem University of Haifa
Italy	CSU Study Center (Florence) Università degli Studi di Firenze La Accademia di Belle Arti Firenze
Japan	Waseda University (Tokyo)
Korea	Yonsei University (Seoul)
Mexico	Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro
New Zealand	Lincoln University (Christchurch) Massey University (Palmerston North)
South Africa	University of Kwazulu Natal Nelson Mandela Metropolitan University
Spain	Universidad Complutense de Madrid Universidad de Granada
Sweden	Uppsala University
Taiwan	National Taiwan University (Taipei) National Tsing Hua University
United Kingdom	Bradford University Bristol University Hull University Kingston University Sheffield University University of Wales Swansea
Zimbabwe	University of Zimbabwe (Harare)

International Programs pays all tuition and administrative costs for participating California resident students to the same extent that such funds would be expended to support similar costs in California. Participants are responsible for all personal costs, such as transportation, room and board, living expenses, and home campus fees. Financial aid, with the exception of Federal Work-Study, is available to qualified students.

To qualify for admission to the International Programs, students must have upper division or graduate standing at a CSU campus by the time of departure. Students at the sophomore level may, however, participate in the intensive language acquisition programs in France, Germany, and Mexico. California Community Colleges transfer students are eligible to apply directly from their community colleges.

Students must also possess a current cumulative grade point average of 2.75 or 3.0, depending on the program for which they apply. Some programs also have language study and/or other coursework prerequisites.

Additional information and application materials may be obtained on campus, or by writing to The California State University International Programs, 401 Golden Shore, Sixth Floor, Long Beach, California 90802-4210. Visit us on the World Wide Web at www.gateway.calstate.edu/csuienet/.

Availability of Institutional and Financial Assistance Information

The following information concerning student financial assistance may be obtained from the Director of Financial Aid/Scholarships, Mary Stuart Rogers (MSR) Building, Room 100, (209) 667-3336:

1. Student financial assistance programs available to students who enroll at CSU Stanislaus;
2. The methods by which such assistance is distributed among recipients who enroll at CSU Stanislaus;
3. The means, including forms, by which application for student financial assistance is made and requirements for accurately preparing such application;
4. The rights and responsibilities of students receiving financial assistance; and
5. The standards the student must maintain to be considered to be making satisfactory progress for the purpose of establishing and maintaining eligibility for financial assistance.

The following information concerning the cost of attending CSU Stanislaus is available from the Financial Aid/Scholarships Office, (209) 667-3336:

1. Fees and tuition (where applicable);
2. Estimated costs of books and supplies;
3. Estimates of typical student room and board costs and typical commuting costs; and
4. Any additional costs of the program in which the student is enrolled or expresses a specific interest.

Information concerning the refund policy of CSU Stanislaus for the return of unearned tuition and fees or other refundable portions of costs is available from the Financial Services Office, (209) 667-3063.

Information concerning CSU Stanislaus policies regarding any refund due to the Federal Title IV student assistance programs as required by the regulations is available from the Financial Aid Office, (209) 667-3336.

Information concerning the academic programs of CSU Stanislaus may be obtained from the Vice Provost for Academic Affairs, MSR 370, (209) 667-3082 and may include:

1. The current degree programs and other educational and training programs;
2. The instructional, laboratory, and other physical plant facilities which relate to the academic program;
3. The faculty and other instructional personnel;

4. Data regarding student retention at CSU Stanislaus and, if available, the number and percentage of students completing the program in which the student is enrolled or expressed interest; and
5. The names of associations, agencies, or governmental bodies which accredit, approve, or license the institution and its programs, and the procedures under which any current or prospective student may obtain or review upon request a copy of the documents describing the institution's accreditation, approval, or licensing.

Information regarding special facilities and services available to handicapped students may be obtained from Disability Services, MSR 210, (209) 667-3159.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from the Dean of Students Office, MSR 340, (209) 667-3144.

Information concerning policies, procedures, and facilities for students and others to report criminal actions or other emergencies occurring on campus may be obtained from Public Safety/University Police Services, PSS, (209) 667-3114. The department also releases an annual campus security report.

Information regarding student retention and graduation rates and, if available, the number and percentage of students completing the program in which the student is enrolled or has expressed interest may be obtained from the Institutional Research Office, MSR 360, (209) 667-3281.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that CSU Stanislaus dedicates to its men's and women's teams may be obtained from the Athletics Department, G7, (209) 667-3016.

Information concerning teacher preparation programs, including the pass rate on teacher certification examinations, may be obtained from the Credential Processing Center, DBH 303, (209) 667-3534.

Information concerning grievance procedures for students who feel aggrieved in their relationships with the university, its policies, practices and procedures, or its faculty and staff may be obtained from the Dean of Students Office, MSR 340, (209) 667-3144.

Average Support Cost Per Full-Time Equivalent Student and Sources of Funds

The total support cost per full-time equivalent student includes the expenditures for current operations, including payments made to students in the form of financial aid, and all fully reimbursed programs contained in state appropriations. The average support cost is determined by dividing the total cost by the number of full-time equivalent students (FTES). The total CSU 2007/08 final budget amounts were \$2,788,910,000 from state General Fund appropriations (not including capital outlay funding), \$1,016,931,000 from State University Fee (SUF) Revenue, \$403,278,000 from other fee revenues, and reimbursements for a total of \$4,209,119,000. The number of projected 2007/08 full-time equivalent students (FTES) is 348,262. The number of full-time equivalent students is determined by dividing the total academic student load by 15 units per term (the figure used here to define a full-time student's academic load).

The 2007/08 average support cost per full-time equivalent student based on General Fund appropriation and State University Fee revenue only is \$10,928 and when including all sources as indicated below is \$12,086. Of this amount, the average student fee support per FTE is \$3,551, which includes all fee revenue in the CSU operating fund (e.g. State University Fee, nonresident tuition, application fees, miscellaneous course fees).

2006/07	Average Cost Amount	Per FTE Student	Percentage
Total Support Cost	\$4,209,119,000	\$12,086	100%
• State Appropriation	2,788,910,000	8,008	66%
• Student Fee Support ¹	1,016,931,000	2,920	24%
• Other Income & Reimbursements ²	403,278,000	1,158	10%

¹Student fee support represents campus 2007/08 final budget submitted State University Fee revenue.

²The other income and reimbursements represent campus other fee 2007/08 final budget revenues submitted, as well as reimbursements in the CSU Operating Fund.

The average CSU 2007/08 academic year resident, undergraduate student fees required to apply to, enroll in, or attend the university is \$3,199. However, the costs paid by individual students will vary depending on campus, program, and whether a student is part-time, full-time, resident, or nonresident.

Career Services

The Career Services Office may furnish, upon request, information about the employment of students who graduate from programs or courses of study preparing students for a particular career field. Any such data provided must be in a form that does not allow for the identification of any individual student.

This information includes data concerning the average starting salary and the percentage of previously enrolled students who obtained employment. The information includes data collected from recent graduates of the campus.

Determination of Residence for Tuition Purposes

The law governing residence for tuition purposes at the California State University is California Education Code sections 68000-68090, 68120-68134, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900-41916. This material can be viewed on the Internet by accessing the California State University's website at www.calstate.edu/GC/resources.shtml.

Each campus's Admissions Office is responsible for determining the residence status of all new and returning students based on the Application for Admission, Residency Questionnaire, Reclassification Request Form, and, as necessary, other evidence furnished by the student. A student who fails to submit adequate information to establish eligibility for resident classification will be classified as a nonresident.

Generally, establishing California residence for tuition purposes requires a combination of physical presence and intent to remain indefinitely. An adult who, at least one full year prior to the residence determination date for the term in which enrollment is contemplated, can demonstrate both physical presence in the state combined with evidence of intent to remain in California indefinitely may establish California residence for tuition purposes. A minor normally derives residence from the parent(s) they reside with or most recently resided with.

Evidence demonstrating intent may vary from case to case but will include, and is not limited to, the absence of residential ties to any other state, California voter registration and voting in California elections, maintaining California vehicle registration, driver's license, and active California bank accounts, filing California income tax returns and listing a California address on federal tax returns, owning residential property or occupying or renting an apartment where permanent belongings are kept, maintaining active memberships in California professional or social organizations, and maintaining a permanent military address and home of record in California.

Non-citizens establish residence in the same manner as citizens, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States.

Exceptions to the general residence requirements are contained in California Education Code sections 68070-68084 and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41906-41906.5, and include, but are not limited to, members of the military and their dependents, certain credentialed employees of school districts and most students who have attended three years of high school in California and graduated or attained the equivalent. Whether an exception applies to a particular student cannot be determined before the submission of an application for admission and, as necessary, additional supporting documentation. Because neither campus nor Chancellor's Office staff may give advice on the application of these laws, applicants are strongly urged to review the material for themselves and consult with a legal adviser.

Nonresident students seeking reclassification are required to complete a supplemental questionnaire including questions concerning their financial dependence, which will be considered along with physical presence and intent in determining reclassification.

Residence determination dates are set each term. They are:

Fall	September 20
Winter	January 5 (CSU Stanislaus only)
Spring	January 25
Summer	June 1

The residence determination dates for the four stages of CalStateTEACH are as follows:

Stage 1	September 20	Stage 3	June 1
Stage 2	January 5	Stage 4	September 20

Students classified as non-residents may appeal a final campus decision within 120 days of notification by the campus. A campus residence classification appeal must be in writing and submitted to:

The California State University
Office of General Counsel
401 Golden Shore, 4th Floor
Long Beach, CA 90802-4210

The Office of General Counsel can either decide the appeal or send the matter back to the campus for further review.

Students incorrectly classified as residents or incorrectly granted an exception from nonresident tuition are subject to reclassification as nonresidents and payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student is subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations.

Resident students who become nonresidents or who no longer meet the criteria for an exception must immediately notify the Admissions Office.

Changes may have been made in the rate of nonresident tuition and in the statutes and regulations governing residence for tuition purposes in California between the time this information is published and the relevant residence determination date. Students are urged to review the statutes and regulations stated above.

Impacted Programs

The CSU designates programs as impacted when more applications from minimally CSU-eligible students are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus where they are offered; others are impacted only at some campuses. Candidates for admission must meet supplementary admission criteria if applying to an impacted program.

The CSU will announce during the fall filing period those programs that are impacted and the supplementary criteria campuses will use. Detailed impactation information is available at www.calstate.edu/AR/impactioninfo.shtml and via www.csumentor.edu. An announcement will also be published in the *CSU Review*, distributed to high school and college counselors, and made available online at www.calstate.edu/AR/csureview. Information about the supplementary criteria also is also provided to program applicants.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in impacted programs at more than one campus should file an application at each campus for which they seek admissions consideration.

Supplementary Admission Criteria

Each campus with impacted programs uses supplementary admission criteria in screening applicants. Supplementary criteria may include ranking on the freshman eligibility index, the overall transfer grade point average, completion of specified prerequisite courses, and a combination of campus-developed criteria. Applicants are required to submit scores on either the SAT or the ACT. For fall admission, applicants should take tests as early as possible and no later than October of the preceding year.

The supplementary admission criteria used by the individual campuses to screen applicants appear periodically in the *CSU Review* and are made available by the campuses to all applicants seeking admission to an impacted program. Details regarding the supplemental admissions criteria are also provided at www.calstate.edu/AR/impactioninfo.shtml.

Immigration Requirements for Licensure

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (P.L. 104-193), also known as the Welfare Reform Act, includes provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information concerning the regulation of these requirements is available from Ms. Hildy Heath, Director of the Office of International Education. Contact (209) 667-3117 or stop in at the Student Services Building Room 144.

Eligibility Index Table

For California High School Graduates or Residents of California

GPA	ACT SAT		ACT SAT			ACT SAT			ACT SAT			ACT SAT		
	Score	Score	GPA	Score	Score	GPA	Score	Score	GPA	Score	Score	GPA	Score	Score
3.00 and above	2.81	14 660	2.60	18 820	2.39	22 990	2.18	26 1160						
qualifies with	2.80	14 660	2.59	18 830	2.38	22 1000	2.17	26 1170						
any score	2.79	14 670	2.58	18 840	2.37	22 1010	2.16	27 1180						
2.99 10 510	2.78	14 680	2.57	18 850	2.36	23 1020	2.15	27 1180						
2.98 10 520	2.77	14 690	2.56	19 860	2.35	23 1020	2.14	27 1190						
2.97 10 530	2.76	15 700	2.55	19 860	2.34	23 1030	2.13	27 1200						
2.96 11 540	2.75	15 700	2.54	19 870	2.33	23 1040	2.12	27 1210						
2.95 11 540	2.74	15 710	2.53	19 880	2.32	23 1050	2.11	28 1220						
2.94 11 550	2.73	15 720	2.52	19 890	2.31	24 1060	2.10	28 1220						
2.93 11 560	2.72	15 730	2.51	20 900	2.30	24 1060	2.09	28 1230						
2.92 11 570	2.71	16 740	2.50	20 900	2.29	24 1070	2.08	28 1240						
2.91 12 580	2.70	16 740	2.49	20 910	2.28	24 1080	2.07	28 1250						
2.90 12 580	2.69	16 750	2.48	20 920	2.27	24 1090	2.06	29 1260						
2.89 12 590	2.68	16 760	2.47	20 930	2.26	25 1100	2.05	29 1260						
2.88 12 600	2.67	16 770	2.46	21 940	2.25	25 1100	2.04	29 1270						
2.87 12 610	2.66	17 780	2.45	21 940	2.24	25 1110	2.03	29 1280						
2.86 13 620	2.65	17 780	2.44	21 950	2.23	25 1120	2.02	29 1290						
2.85 13 620	2.64	17 790	2.43	21 960	2.22	25 1130	2.01	30 1300						
2.84 13 630	2.63	17 800	2.42	21 970	2.21	26 1140	2.00	30 1300						
2.83 13 640	2.62	17 810	2.41	22 980	2.20	26 1140	Below 2.00 does							
2.82 13 650	2.61	18 820	2.40	22 980	2.19	26 1150	not qualify for							
							regular admission							

The CSU uses only the SAT mathematics and critical reading scores in its admission eligibility equation. The SAT and ACT writing scores are not currently used by CSU campuses.

Intrasystem and Intersystem Enrollment Programs

Students enrolled at any CSU campus will have access to courses at other CSU campuses on a space available basis unless those campuses or programs are impacted. This access is offered without students being required to be admitted formally to the host campus and sometimes without paying additional fees. Although courses taken on any CSU campus will transfer to the student's home CSU campus as at least elective credit, students should consult their home campus academic advisers to determine how such courses may apply to their degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California Community Colleges. Additional information about these programs is available from Admissions & Records, MSR 120, (209) 667-3152.

CSU Concurrent Enrollment – matriculated students in good standing may enroll at both their home CSU campus and a host CSU campus during the same term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

CSU Visitor Enrollment – matriculated students in good standing enrolled at one CSU campus may enroll at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

Intersystem Cross Enrollment – matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

Making Up Missing College Preparatory Subject Requirements

Lower division applicants who did not complete subject requirements while in high school may make up missing subjects in any of the following ways:

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better. One college course of at least three semester or four quarter units will be considered equivalent to one year of high school study.
3. Earn acceptable scores on specified examinations.

Please consult with any CSU Admission Office for further information about alternative ways to satisfy the subject requirements. Due to enrollment pressures, many CSU campuses do not admit or enroll lower division transfer students.

Family Educational Rights and Privacy Act (FERPA) (also Known as the Buckley Amendment)

Policy and Procedures - Rights and Obligations

It is the policy of California State University, Stanislaus, to honor all rights and to comply with all obligations arising under the Family Educational Rights and Privacy Act (FERPA).

What is FERPA?

FERPA is a federal law that protects the privacy of student educational records under designated circumstances. All schools or universities that receive federal funds are subject to FERPA requirements. Primary rights of students under FERPA include:

- The right to have some control over the disclosure of certain information and educational records
- The right to inspect and review educational records
- The right to seek to amend or supplement educational records

Record Rights

Students who are over the age of eighteen or attending a university are considered an “eligible student,” meaning the rights to their records have transferred from their parents to themselves.

Annual Notification of Rights

Students shall be notified of FERPA rights on an annual basis, by publication in the California State University, Stanislaus Catalog, the California State University, Stanislaus Schedule of Classes, and the California State University, Stanislaus, World Wide Web site.

FERPA Rights, Obligations, Procedures

Who is Responsible for Upholding FERPA Protections?

All members of the campus with access to, oversight of, or responsibilities for the maintenance of student records are responsible for upholding FERPA protections. Student rights under FERPA may impose compliance obligations upon faculty members within the classroom, and upon associated classroom practices, in addition to those obligations imposed upon staff and managers within administrative departments responsible for creating, maintaining, and securing student data and records. Individuals may, under certain circumstances, be held legally responsible for the release of confidential information protected by FERPA.

Faculty and Academic Departments

The posting or display of emblems of academic performance, and the disclosure of information contained in confidential student records, generally require official student consent. That consent may be gained, for example, by circulating a statement of consent collectively to all students in a classroom for their signature of official endorsement.

Administrative Units

Steps should be taken to adequately and appropriately protect student records in compliance with law and policy.

Accessing Student Records

Students Seeking Access to the Student’s Own Records

Students wishing to view the contents of their Educational Records must contact the appropriate records custodian in the office maintaining the records they seek, generally the Office of Admissions and Records, to request an appointment to view these records. Access to inspect records shall normally be granted to the student making the request no later than fifteen (15) working days following the date of the request from the student. Original records shall not leave the office where the records are maintained.

Fees for Copies of Records

While the student retains the right to inspect his or her records, the California State University, Stanislaus is not generally required under FERPA to provide copies of documents contained in the educational record. With the exception of transcripts, which may be subject to separate provisions, requests for copies of records may be subject to an administrative copying fee.

Limitations on Access to Educational Records

The following limitations exist regarding the student’s right to inspect and review records:

- The University retains the right to deny copies of records if the student has an unpaid or delinquent financial obligation to the University, pursuant to Section 42381, Title 5, California Code of Regulations, and the California State University’s Executive Order 145.
- When a record contains information about more than one student, the student may inspect and review only the records that relate to him or her.
- Students may not access information pertaining to the financial status of his or her parents.
- Students may not access confidential letters and confidential statements of recommendation placed in educational records prior to 1975, or confidential letters and statements of recommendations for which the student has waived the right to review.
- Individuals do not have the right, under FERPA, to inspect and review their admissions application, if that application was denied.

Parental Access to Records

Parents are not eligible to access their child’s non-directory information unless the student has authorized this release; or unless the student has been claimed as a dependent on their parents’ federal income taxes.

Parents, legal guardians, or other relevant family members seeking information contained within protected student records, including grade reports, should be directed to the Office of the Vice President for Student Affairs or the Office of Admissions and Records.

Faculty, Staff, and Administrators Seeking Access

Requests should be submitted to the appropriate records custodian, generally the campus admissions and records officer or equivalent departmental or college official, who shall maintain copies of requests submitted and granted. Requests must demonstrate a legitimate educational interest, or a legitimate rationale for access in the case of university officials requesting access to student educational records.

Who is Responsible for Ensuring FERPA Compliance?

The Offices of the Vice President for Student Affairs, Business and Finance, Development and University Relations, and Academic Affairs all have obligations and input regarding the proper maintenance of relevant student records, and the proper implementation and adherence to protocols designed to uphold FERPA rights and obligations, within their respective units, colleges, and departments.

What Student Information is Covered By FERPA?

FERPA establishes two categories of information:

Directory Information

Pre-established categories of information available to the public:

- Student name
- Address
- Telephone number
- Date and place of birth
- Honors and awards
- Dates of attendance
- University-assigned e-mail
- Photograph
- Enrollment Status
- Weight and height of members of the athletic team
- Degrees received
- Major field of study

BUT: Eligible students/parents may request non-disclosure, and must be given the opportunity and reasonable time to so request.

Non-Directory Information is not available to the general public:

- Social Security number/Student identification number
- Race/ethnicity/nationality/gender
- Grades
- Course schedules
- Transcripts
- Disciplinary files/actions

Releasing Information

Directory information will be released to a member of the public upon submission of the appropriate request form to the university Admissions & Records Office. As noted, students have the right to request non-disclosure of directory information.

Non-directory information will only be released upon written authorization from the student.

Student Requests for Non-Disclosure of Directory Information

Students can file a form with the Admissions & Records Office if they do not want public information included in the directory.

Disclosure of Non-Directory Records Without Student Consent

Under certain circumstances, the campus is permitted to release information without the student's consent. Examples of individuals or circumstances prompting permissible disclosure without consent include, but are not necessarily limited to:

- School officials who have a legitimate educational interest in the records.
- Parents of an eligible student who is claimed as a dependent for income tax purposes.
- Appropriate parties in a health or safety emergency.
- The parent or legal guardian of a student under the age of 21, when that student has broken University policy or state or federal law as it applies to the use and/or possession of alcohol or controlled substances.
- In cases involving the results of a disciplinary hearing where the alleged victim has been subject to a crime of violence.
- To comply with federal laws, such as the Patriot Act.
- To comply with other federal or state legislation passed subsequent to FERPA, including but not limited to the Tax Payer Relief Act.
- To comply with a California judicial order or lawfully issued subpoena.

References

U.S. Department of Education; Family Educational Rights and Privacy Act (FERPA)
<http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The University uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. 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 educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

Student Body Fee Establishment/Abolishment Procedure

The law governing the California State University provides that fees defined as mandatory, such as a student body association fee and a student body center fee, may be established. A student body association fee must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89300). A student body center fee may be established only after a fee referendum is held which approves by a two-thirds favorable vote the establishment of the fee (Education Code, Section 89304). The student body fee was established at CSU Stanislaus by student referendum on November 19, 1987. The campus President may adjust the student body association fee only after the fee adjustment has been approved by a majority of students voting in a referendum established for that purpose (Education Code, Section 89300). The required fee shall be subject to referendum at any time upon the presentation of a petition to the campus President containing the signatures of 10 percent of the regularly enrolled students at the University. Once bonds are issued, authority to set and adjust student body center fees is governed by provisions of the State University Revenue Bond Act of 1947, including, but not limited to, Education Code, sections 90012, 90027, and 90068. Student body association fees support a variety of cultural and recreational programs, childcare centers, and special student support programs.

The process to establish and adjust other campus-based mandatory fees requires consideration by the campus fee advisory committee and a student referendum. The campus President may use alternate consultation mechanisms if he/she determines that a referendum is not the best mechanism to achieve appropriate and meaningful consultation. Results of the referendum and the fee committee review are advisory to the campus President. The President may also request the Chancellor to establish the mandatory fee.

For more information or questions, please contact Colleen Nickles, Senior Director of Financing & Treasury in the CSU Chancellor's Office, at (562) 981-4579 or cnickles@calstate.edu.

Student Conduct

Title V, California Code of Regulations Article 2. Student Conduct

41301. Standards for Student Conduct

The University is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community must choose behaviors that contribute toward this end. Student behavior that is not consistent with the Student Conduct Code is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences.

(a) Student Responsibilities

Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and contribute positively to student and university life.

(b) Unacceptable Student Behaviors

The following behavior is subject to disciplinary sanctions:

1. Dishonesty, including:
 - a. Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage.
 - b. Furnishing false information to a University official, faculty member, or campus office.
 - c. Forgery, alteration, or misuse of a University document, key, or identification instrument.
 - d. Misrepresenting oneself to be an authorized agent of the University or one of its auxiliaries.
2. Unauthorized entry into, presence in, use of, or misuse of University property.
3. Willful, material and substantial disruption or obstruction of a University-related activity, or any on-campus activity.
4. Participating in an activity that substantially and materially disrupts the normal operations of the University, or infringes on the rights of members of the University community.
5. Willful, material and substantial obstruction of the free flow of pedestrian or other traffic, on or leading to campus property or an off-campus University related activity.
6. Disorderly, lewd, indecent, or obscene behavior at a University related activity, or directed toward a member of the University community.
7. Conduct that threatens or endangers the health or safety of any person within or related to the University community, including physical abuse, threats, intimidation, harassment, or sexual misconduct.
8. Hazing, or conspiracy to haze, as defined in Education Code Sections 32050 and 32051:

“Hazing” includes any method of initiation or pre-initiation into a student organization, or any pastime or amusement engaged in with respect to such an organization which causes, or is likely to cause, bodily danger, physical harm, or personal degradation or disgrace resulting in physical or mental harm, to any student or other person attending any school, community college, college, university or other educational institution in this state; but the term “hazing” does not include customary athletic events or other similar contests or competitions.

A group of students acting together may be considered a “student organization” for purposes of this section whether or not they are officially recognized. Neither the express or implied consent of a victim of hazing, nor the lack of active participation while hazing is going on is a defense. Apathy or acquiescence in the presence of hazing is not a neutral act, and is also a violation of this section.

9. Use, possession, manufacture, or distribution of illegal drugs or drug-related paraphernalia, (except as expressly permitted by law and University regulations) or the misuse of legal pharmaceutical drugs.
10. Use, possession, manufacture, or distribution of alcoholic beverages (except as expressly permitted by law and University regulations), or public intoxication while on campus or at a University related activity.
11. Theft of property or services from the University community, or misappropriation of University resources.
12. Unauthorized destruction, or damage to University property or other property in the University community.
13. Possession or misuse of firearms or guns, replicas, ammunition, explosives, fireworks, knives, other weapons, or dangerous chemicals (without the prior authorization of the campus president) on campus or at a University related activity.
14. Unauthorized recording, dissemination, or publication of academic presentations (including handwritten notes) for a commercial purpose.
15. Misuse of computer facilities or resources, including:
 - a. Unauthorized entry into a file, for any purpose.
 - b. Unauthorized transfer of a file.
 - c. Use of another’s identification or password.
 - d. Use of computing facilities, campus network, or other resources to interfere with the work of another member of the University community.
 - e. Use of computing facilities and resources to send obscene or intimidating and abusive messages.
 - f. Use of computing facilities and resources to interfere with normal University operations.
 - g. Use of computing facilities and resources in violation of copyright laws.
 - h. Violation of a campus computer use policy.
16. Violation of any published University policy, rule, regulation or presidential order.
17. Failure to comply with directions of, or interference with, any University official or any public safety officer while acting in the performance of his/her duties.

18. Any act chargeable as a violation of a federal, state, or local law that poses a substantial threat to the safety or well-being of members of the University community, to property within the University community or poses a significant threat of disruption or interference with University operations.
19. Violation of the Student Conduct Procedures, including:
 - a. Falsification, distortion, or misrepresentation of information related to a student discipline matter.
 - b. Disruption or interference with the orderly progress of a student discipline proceeding.
 - c. Initiation of a student discipline proceeding in bad faith.
 - d. Attempting to discourage another from participating in the student discipline matter.
 - e. Attempting to influence the impartiality of any participant in a student discipline matter.
 - f. Verbal or physical harassment or intimidation of any participant in a student discipline matter.
 - g. Failure to comply with the sanction(s) imposed under a student discipline proceeding.
20. Encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

(c) Application of this Code

Sanctions for the conduct listed above can be imposed on applicants, enrolled students, students between academic terms, graduates awaiting degrees, and students who withdraw from school while a disciplinary matter is pending. Conduct that threatens the safety or security of the campus community, or substantially disrupts the functions or operation of the University is within the jurisdiction of this Article regardless of whether it occurs on or off campus. Nothing in this Code may conflict with Education Code section 66301 that prohibits disciplinary action against students based on behavior protected by the First Amendment.

(d) Procedures for Enforcing this Code

The Chancellor shall adopt procedures to ensure students are afforded appropriate notice and an opportunity to be heard before the University imposes any sanction for a violation of the Student Conduct Code.

41302. Disposition of Fees: Campus Emergency; Interim Suspension

The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended, no additional tuition or fees shall be required of the student on account of the suspension.

During periods of campus emergency, as determined by the President of the individual campus, the President may, after consultation with the Chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The President may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension.

During the period of interim suspension, the student shall not, without prior written permission of the President or designated representative, enter any campus of the California State University other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

College Board Advanced Placement Examination Policy

AP Exam Title	Required Score	Course Equivalency	Units Allowed	G.E. Area	Major Credit
Art					
History of Art	3	Art 2515 Art 2520	6	C.1 C.1	Yes Yes
Studio Art: Drawing	3	Art 1000	3	C.1	Yes
2-D Design	3	Art 1100	3	C.1	Yes
3-D Design	3	Art 1200	3	C.1	Yes
Biology	3	Biol 1010	8	B.2	Yes
Biology Lab		Biol 1020		B.2	Yes
Chemistry	3	Chem 1100 Includes Lab Credit	5	B.1***	Yes
Computer Science A	3	CS 1500	3	None	Yes
Computer Science AB	3	CS 1500 CS 2500	6	None None	Yes Yes
Economics (Macro.)	3	Econ 2500	3	D.2.a	Yes
Economics (Micro.)	3	Econ 2510	3	D.2.a	Yes
English/Language & Comp.	3	Engl 1001	3	A.2	No
English/Literature & Comp.	3	Engl 1001 Engl 1010	6	A.2 C.2	No No
Environmental Science	3	PHSC 1300	3	B.1	No
French Language	3	Fren 2010 Fren 2020	8	C.3 C.3	Yes Yes
French Literature	3	None	6	C.3	No
German Language	3	None	8	C.3	No

AP Exam Title	Required Score	Course Equivalency	Units Allowed	G.E. Area	Major Credit
German Literature	3	None	6	C.3	No
Govt. and Politics/Compar.	3	None	3	D.2.a	No
Govt. and Politics/U.S.*	3	PS 1201*	3	D.1.b*	Yes*
History/European	3	None	6	D.2.a	No
History/United States	3	Hist 2600	6	D.1.a	Yes
Latin/Literature	3	None	3	C.3	No
Latin/Virgil	3	None	6	C.3	No
Mathematics/ Calculus AB	3	Math 1100 Math 1410	6	B.3 B.3	No Yes
Mathematics/ Calculus BC	3	Math 1410 Math 1420	6	B.3 None	Yes Yes
Music Theory	3	Mus 1220 Mus 1230	6	None None	Yes Yes
Physics B	3	Consult Dept.	6	B.1***	Yes
Physics C/Mechanics Electricity	3	Phys 2250** Phys 2260**	4	B.1*** B.1***	Yes** Yes**
& Magnetism					
Psychology	3	Psyc 2010	3	D.2.b	Yes
Spanish Language	3	Span 2010 or 2011 Span 2020 or 2015	8	C.3	Yes
Spanish Literature	3	None	6	C.3	No
Statistics	3	MATH 1600 or Math 1610 or Math 1620	3	B.3	Yes
World History	3	Hist 1010 & 1020	6	D.2.a	Yes

* Does not include California State & Local Government.

** Consult Physics Department for Lab Credit in the major.

*** Includes General Education lab credit.

**College Level Examination Program (CLEP)
General Examination Credit Allowances***

Test Title	Min.* Score	Sem. Units	CSUS Course	Gen. Ed. Area
English Humanities (This exam is a mixture of literature/art/music. Three units elective credit allowed.)	N/A 50	0 6	None None	None C.3
Mathematics	N/A	0	None	None
Natural Sciences (Wide range of topics, basic principles and concepts science. Three units elective credit allowed.)	50	3	None	None
Social Sciences (Three units elective credit allowed.)	50	6	None	D.2.a **

Notes:

* All CLEP exam scores are reported on a scale of 20-80. Effective July 1, 2001, the American Council on Education (ACE) recommended raising the minimum credit score to 50 for all CLEP General and Subject exams (with the exception of four-semester foreign language examinations: French, German and Spanish Languages). All exams will be administered on computer only.

* Represents the mean test score of students who participated in a national norming study and have earned a grade of C in the respective course.

** Does not include California State and Local Government.

**College Level Examination Program (CLEP)
Subject Credit Allowances**

Test Title	Min. Score*	Semester Units Allowed	CSUS Equivalent Course	Gen. Ed Area
Principles of Accounting	50	6	None	None
American Government	50	3	PSCI 1201**	D1a**
History of the United States I: Colonizations to 1877	50	3	None	D1a
History of the United States II: 1865 to Present	50	3	None	D1a
American Literature	50	6	ENGL 2200, 2210	C2, C3

Semester Test Title	CSUS Min. Score*	Gen. Ed Units Allowed	Equivalent Course	Area
General Biology (No lab) Calculus w/Elementary Functions	50	6	BIOL 1010	B2
General Chemistry (No lab)	50	6	CHEM 1100, 1110	B1
College French	50	6 (or)	FREN 1010, 1020	C3
College French	62	12	FREN 2010, 2020	C3
College German	50	6 (or)	None	C3
College German	63	12	None	C3
College Spanish	50	6 (or)	SPAN 1010, 1020	C3
College Spanish	66	12	SPAN 2010, 2020	C3
College Algebra	50	3	None	B3
College Algebra/ Trigonometry	50	3	None	B3
English Literature	50	6	ENGL 2100, 2110	C2, C3
Freshman College Composition with essay	50	6	ENGL 1001	A2
Human Growth & Development	50	3	None	None
Information Systems & Computer Appl.	50	3	None	None
Introductory Business Law	50	3	None	None
Introduction to Educational Psychology	50	3	None	None
Analysis & Interpreting Literature	50	6	ENGL 1010	C2, C3
Principles of Macroeconomics	50	3	ECON 2500	D2a
Principles of Management	50	3	None	None
Principles of Marketing	50	3	None	None
Principles of Microeconomics	50	3	ECON 2510	D2a
Introductory Psychology	50	3	PSYC 2010	D2b
Introductory Sociology	50	3	None	None
Trigonometry	50	3	None	None
Western Civilization I: Ancient Near East to 1648	50	3	None	D2a
Western Civilization II: 1648 to Present	50	3	None	D2a

Notes:

* All CLEP exam scores are reported on a scale of 20-80. Effective July 1, 2001, the American Council on Education (ACE) recommended raising the minimum credit score to 50 for all CLEP General and Subject exams (with the exception of four-semester foreign language examinations: French, German and Spanish Languages). All exams will be administered on computer only.

* Represents the mean test score of students who participated in a national norming study and have earned a grade of C in the respective course.

** This examination does not include California State and Local Government.

Learning Disabled Student G.E.-Breadth Requirement Waiver

A student with a diagnosed learning disability or neurological disorder, which significantly impairs academic performance in a specified area, may be eligible for a waiver of a General Education-Breadth (GEB) requirement. A student desiring to pursue this option should contact the office of Disabilities Resource Services at (209-667-3159) and submit a copy of the documentation of his/her disability. The documentation will then be reviewed by the appropriate Disabilities Resource Services professional to determine if the severity of the student's disability qualifies him/her for a waiver of a GEB requirement.

Note: Students for whom the GEB requirement is waived are required instead to complete additional coursework in a related area of the GEB program which will substitute for the requirement that has been waived.

The student's documentation must meet the following requirements:

- a. The student with a learning disability must have documentation showing deficits in the area under consideration, and these deficits must severely compromise the student's skills in this academic area.
- b. The student with a neurological disorder must have documentation that specifically states that the disorder severely compromises the student's skills in the academic area under consideration.
- c. Additional testing and/or documentation may be required if the submitted documentation does not meet the standards used by the California State University System.

The following procedures describe how a student should apply for a waiver of a GEB requirement once it has been established that the student qualifies for this academic accommodation:

1. If appropriate, the student will (a) have taken any required placement tests (e.g., Entry Level Mathematics exams) with appropriate testing accommodations and (b) have attempted any appropriate developmental course(s) (e.g., mathematics) with accommodations in both testing and instructional methods.
2. The student must be registered with the Office of Disabilities Resource Services.
3. The student will submit a "Student Petition for Exception to University Requirement" to the appropriate Disabilities Resource Services professional.
4. The student will also submit a letter to the appropriate Disabilities Resource Services professional that addresses the following:
 - a. Type of disability
 - b. Previous "good-faith" efforts made in the academic area under consideration and support services utilized in these efforts
 - c. Potential for success at the University
 - d. Chosen major

Note: The waiver of a GEB requirement is only allowed if the course under consideration is neither a requirement within the student's major nor a prerequisite.

5. The Disabilities Resource Services professional will recommend approval of the waiver of the GEB requirement to the Vice Provost for Academic Affairs or his/her designee.

Note: The course used to substitute for the GEB requirement will be determined by the Vice Provost for Academic Affairs (or his/her designee), in consultation with the appropriate Disabilities Resource Services professional.

6. The Vice Provost for Academic Affairs (or his/her designee), in consultation with the appropriate Disabilities Resource Services professional, will decide whether the substitution and/or waiver is warranted. If the waiver is approved, the Office of Enrollment Services will be notified.
7. If the student wishes to appeal the decision, a request may be submitted to the University-Wide Appeals Committee.

Note: Students who decide to pursue a teaching credential, waiver program, or licensure, will still be required to demonstrate proficiency on state-mandated tests (e.g., CBEST, PRAXIS, licensing exams) and/or in coursework in the waiver program (e.g., MATH 1030, MATH 1040).

Learning Disabled Student Course Substitutions in the Major, Minor, or Concentration

A student with a diagnosed learning disability, neurological disorder, or physical disability which significantly impairs academic performance in a specified area, may be eligible for a waiver of a requirement in the student's major, minor, concentration, or specified prerequisites. Substitutions are only allowed if the course is not deemed by the Department to be essential to the academic integrity of the program in question. A student desiring to pursue this option should contact the Department Chair in the major or minor to inquire whether a waiver is permitted.

Note: Students for whom a requirement is waived are required instead to complete additional course work that will substitute for the requirement that has been waived.

If the Department determines that a waiver of this course is permitted, then the student must submit documentation of the disability to the office of Disabilities Resource Services. The documentation must meet the following requirements:

- a. The student with a learning disability must have documentation showing deficits in the area under consideration, and these deficits must severely compromise the student's skills in this academic course.
- b. The student with a neurological disorder must have documentation that specifically states that the disorder severely compromises the student's skills in the academic course under consideration.
- c. The student with a physical disability must have documentation that specifically states that the student is unable to perform the physical tasks necessary in the academic course under consideration.
- d. Additional testing and/or documentation may be required if the submitted documentation does not meet the standards used by the California State University System.

The following procedures describe how a student should apply for a waiver of a major, minor, concentration, or prerequisite requirement once (a) the Department has determined that a waiver is permitted and (b) Disabilities Resource Services has established that a student with a learning disability, neurological disorder, or physical disability qualifies for this academic accommodation:

1. The student must be registered with Disabilities Resource Services.
2. The student will submit a "Student Petition for Exception to University Requirement" to the Department Chair.
3. The student will also submit a letter to the Department Chair that addresses the following:
 - a. Type of disability
 - b. Previous "good-faith" efforts made in the academic area under consideration and support services utilized in these efforts
 - c. Potential for success in this major or minor
4. The Department Chair, in consultation with the appropriate Disability Resource Services professional, shall make a decision about the appropriateness of the petition. If approved, then the Department Chair (a) will write a memo to Enrollment Services regarding this decision, with a copy going to Disability Resource Services and (b) will determine, in consultation with the appropriate Disability Resource Services professional, which course will substitute for the waived requirement.
5. If the student wishes to appeal the decision of the Department, a request may be submitted to the University-Wide Appeals Committee.

or

The Department's decision shall be considered final.

Note: If a student decides to pursue a teaching credential, waiver program, or licensure, s/he will still be required to demonstrate proficiency on state-mandated tests (e.g., CBEST, licensing exams) and/or in coursework in the waiver program (e.g., MATH 1030, MATH 1040).

Course Numbering System

Course Level Identification

- 0001–0999 Prebaccalaureate courses. These courses do not carry unit credit toward the 120 units required for a bachelor's degree and are 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 advisor.
- 5000–5999 Graduate courses. Open only to qualified graduate students. (Last-semester seniors within 9 units of graduation may enroll for postbaccalaureate credit with 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. These courses are 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). These courses are 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.

Special Course Numbers

For uniformity, certain types of courses have been listed under a single number by all departments and divisions as follows:

- 491X Cooperative Education
 494X, 594X Internship/Field Work
 295X, 495X, and 595X Selected Topics
 496X Senior Seminars
 498X, 598X Individual Study
 499X and 599X Thesis
 596X Graduate Project
 7005 Continuing Thesis or Project

Note: In previous years, the fourth digit may have been used to indicate course unit value.

Explanation of Course Notations

The notations used in course descriptions listed under the various departments are as follows:

1. Courses offered for varying units are so indicated, e.g., (2-4 units).
2. A notation such as (Formerly 4500) at the beginning of a course description indicates the course was previously numbered 4500 and credit for both courses is not allowed.
3. To assist in planning an academic program, many courses in this catalog are marked to indicate when they will be offered, e.g., fall, winter, spring, or summer. It is possible courses without those designations will not be offered during 2006-2007. Check the Schedule of Classes.



Index

A

- Academic (College Year) Calendar, 10
- Academic Affairs, 558
- Academic Competitiveness Grant (ACG), 52
- Academic Programs, 13
- Academic Standards, 84
- Accounting Concentration, 182
- Accreditation, Institutional and Program, 4
- Acting Emphasis, 164
- Adding and Dropping Courses, 66
- Additional Baccalaureate Degree Requirements, 94
- Administration, CSU Stanislaus, 558
- Admission Requirements, 29
- Adult Students (also see Reentry Student and Reentry Programs), 31
- Advanced Placement Program, 33
- Advising Resource Center, 58
- African American Studies Minor, 389
- Agricultural Biology Concentration, 307
- Agricultural Business/Economics Concentration, 308
- Agricultural Business Concentration, 177
- Agricultural Studies, Bachelor of Arts, 306
- Agricultural Studies Minor, 310
- Agricultural Studies Special Concentration, 310
- Alumni, 15
- American Language and Culture Program (ALCP), 21
- Anthropology, Bachelor of Arts, 316
- Anthropology Minor, 317
- Application Filing Periods, 25
- Application Process, 25
- Applied Geography Concentration, 330
- Applied Geology Concentration, 539
- Applied Physics Concentration, 548
- Applied Studies, Bachelor of Science, 173
- Art, Bachelor of Arts, 123
- Art, Bachelor of Fine Arts, 121
- Art History Concentration, 124
- Art History Minor, 127
- Art Minor, 126
- Associated Students, Inc., 56
- Astronomy, 554
- Athletics, 7, 14, 60
- Attendance, 68
- Audit, 85
- Average Support Cost, 595

B

Baccalaureate Degree Requirements, 92
Biological Sciences, Bachelor of Arts and Bachelor of Science, 489
Biological Sciences Minor, 493
Bookstore, CSU Stanislaus, 5
Botany Concentration, 491
Business Administration, Bachelor of Science, 175
Business Administration Minor, 177
Business and Finance, 559

C

Cal Grants, 52
California Articulation Number, 43
California State University, 590
Campuses of the California State University, 586
Career Services, 595
Career Services Center, 56
Catalog Year for Graduation Requirements, 93
Centers and Institutes, 17
Challenge Examinations, 36, 67
Chancellor's Office, 579
Chemistry, Bachelor of Arts, 510
Chemistry, Bachelor of Science, 510
Chemistry Minor, 512
Chicano Studies Minor, 389
Child Development, 274
Child Development Center, 260
Child Development Programs Track, 278
Child Development Research Track, 278
Child Development Services Track, 278
Clinical Laboratory Science Concentration, 493
Cognitive Studies, Bachelor of Arts, 484
Cognitive Studies Minor, 485
College Board Advanced Placement Examination Policy, 609
College Level Examination Program (CLEP), 611
College of Business Administration, 172
College of Education, 212
College of Human and Health Sciences, 260
College of Humanities and Social Sciences, 304
College of Natural Sciences, 482
College of the Arts, 120
Communication Studies, Bachelor of Arts, 338
Composition, 143
Computer Information Systems, Bachelor of Science in, 189
Computer Information Systems Minor, 191
Computer Science, Bachelor of Science, 518
Computer Science Minor, 520
Contract Courses, 21
Cooperative Education Program, 19

Corrections Concentration, 354
Counseling Services, 57
Course Numbering System, 615
Credential Processing Center, 213
Credit/No Credit Grading, 85
Credit Cards, 47
Credit for Extension and Correspondence Courses, 37
Criminal Justice, Bachelor of Arts, 352
Criminal Justice Minor, 357

D

Dependents, 50
Determination of Residence for Tuition Purposes, 596
Developmental Psychology Concentration, 287
Disability Resource Services, 58
Disqualification, Academic, 87
Distance Learning Courses, 37
Dropping Courses, 66

E

Early Assessment Program, 39
Earth and Space Sciences Concentration, 549
Ecology and Field Biology Concentration, 491
Ecology and Sustainability, 495
Economics, Bachelor of Arts, 365
Economics, Teaching Credential Supplemental Authorization, 366
Economics Minor, 366
Educational Opportunity Program (EOP), 58
Eligibility Index, 29
Eligibility Index Table, 599
Emeritus Faculty, 580
English, Bachelor of Arts, 371
English, Master of Arts, 373
English Minor, 373
English Placement Test (EPT), 39
Enrollment Services, 559
Entomology Concentration, 492
Entry-Level Mathematics Test (ELM), 41
Environmental & Resource Studies Minor, 313
Environmental Sciences Concentration, 487
Ethnic Studies Minor, 389
Evaluation of Transfer Credit, 35
Evening courses, 93
Exceptional Children and Youth Minor, 214
Experimental Psychology Concentration, 290
Extended Education, 20
Extension and Correspondence Course Credit, 37

F

Facilities, 5
 Faculty, 13, 562
 Faculty Affairs, 559
 Faculty Mentor Program, 58
 Fall Semester 2007 Calendar, 10
 Family Educational Rights and Privacy Act (FERPA), 601
 Federal Parent Loan for Undergraduate Students (PLUS), 52
 Federal Supplemental Educational Opportunity Grant, 52
 Fees, 46
 Fee Waivers, 49
 Finance Concentration, 186
 Financial Aid, 51
 Financial Assistance Information, 593
 Fine Arts, 121
 First-Time Freshman, 29
 First-Year Experience Program, 98
 First-Year Programs and Advising (see Advising Resource Center), 58
 Forensic Anthropology Track, 318
 Forensic Science Concentration, 355
 Forensic Science Minor, 356
 Foundation Board of Directors, 579
 Four-One-Four (4-1-4) Academic Year, 11
 French Minor, 426
 Full-time status, 81

G

Gender Studies Minor, 395
 General Business Concentration, 179
 General Education Program, 99
 Genetic Counseling, Master of Science, 495
 Genetics Concentration, 492
 Geography, Bachelor of Arts, 329
 Geography Minor, 331
 Geology, Bachelor of Science, 537
 Geology Minor, 539
 Gerontology Minor, 471
 Global Affairs (see International Education), 16
 Grade Appeal, 69
 Grading Options, 86
 Graduation Application, 93
 Graduation Honors, 94
 Graphic Arts, 122

H

Hardship Petitions, 28
 Health and Wellness Promotion, Concentration, 247
 Health Center, 5
 Health Screening, 38
 Health Services, 59
 History, Bachelor of Arts, 402
 History, World History Minor, 404
 History Minor, 403
 History of the University, 12
 HIV/AIDS Nondiscrimination Policy, 75
 Hmong Courses, 429
 Honors at graduation, 94
 Honors Courses in high school, 30
 Honor Societies, 18
 Honors Program, 17, 111
 Hours of Operation, 10
 Housing, 59
 Human Resource Track, 197

I

Immigration Requirements for Licensure, 598
 Immunization, 38
 Impacted Programs, 597
 Incomplete Coursework, 72
 Individual Study Courses, 72
 Information Center, 60
 Information Technology, 560
 Institutional Accreditation, 4
 Instrumental Performance, 142
 Intensive Learning Experience, 17
 Intercollegiate Athletics Nondiscrimination Policy, 75
 International Baccalaureate Credit, 35
 International Business Track, 198
 International Education, 16
 International Programs, CSU, 591
 International Students, 33
 International Student Services, 16
 International Studies Concentration, 460
 Internships, 19
 Intrasystem and Intersystem Enrollment Programs, 600
 Italian Course, 429

J

Jazz Studies, 144
 Joint Engineering Program, 555
 Journalism Minor, 350
 Judicial Affairs, 60

K**L**

Latin American Studies Minor, 305
 Law Enforcement Concentration, 355
 Learning Disabled Student
 Course Substitutions, 614
 G.E.-Breadth Requirement Waiver, 613
 Learning Objectives
 Applied Studies, 174
 Art, 127
 Biological Sciences, 497
 Chemistry, 513
 Child Development, 279
 Computer Science, 520
 Geology, 539
 Liberal Studies, 218
 Mathematics, 529
 Music, 147
 Nursing, 268
 Physical Education, 251
 Physics, 549
 Psychology, 296
 Theatre Arts, 165
 Leaves of Absence, 73
 Liberal Studies, Bachelor of Arts, 215
 Liberal Studies Concentrations
 Anthropology, 221
 Applied Philosophy, 221
 Art, 223
 Bilingual/Crosscultural: Southeast Asian, 224
 Bilingual/Crosscultural: Spanish, 225
 Biological Sciences, 226
 Chemistry, 227
 Child Development, 227
 Civics, 230
 Communication Studies, 231
 Earth Sciences, 232
 Economics, 233
 English, 234
 Ethnic Studies, 235
 Exceptional Children and Youth, 236
 Geography, 236
 History, 237
 Mathematics, 238
 Music, 239
 Physical Education, 240
 Physics and Physical Sciences, 241
 Sociology, 242

Spanish, 243
 Teaching English to Speakers of Other Languages (TESOL), 244
 Theatre, 244
 Library, 15
 Licensed Vocational Nurses, 267

M

Management Concentration, 196
 Marine Biology Concentration, 494
 Marketing Concentration, 202
 Mathematics, Bachelor of Arts and Bachelor of Science, 526
 Mathematics Competency, 93
 Mathematics Minor, 529
 Mathematics Subject Matter Preparation Program, 528
 Medical Anthropology Track, 318
 Microbiology Concentration, 492
 Microelectronics Minor, 547
 Military Service Credit, 37
 Missing College Preparatory Subject Requirements, 600
 Mixed Subject, Art, 123
 Multidisciplinary Studies, 115
 Multiple Majors and/or Minors, 94
 Music, Bachelor of Arts, 144
 Music, Bachelor of Music, 139
 Music, General Emphasis, 145
 Music Education-Choral, 143
 Music Education-Instrumental, 142
 Music Minor, 146
 Music Technology Emphasis, 145

N

New Student Orientation, 38, 60
 Nondiscrimination Policy, 74
 Nonresident Tuition, 46
 Nursing, Bachelor of Science, 262
 Nursing, Department Mission, 267
 Nursing, Pre-licensure BSN Track, 264
 Nursing, Registered Nurse to Bachelor of Science in Nursing Track, 263

O

Open University, 20
 Operations Management Concentration, 205
 Opportunity to Achieve Degree in Four Years, 92
 Organizational Communication/Public Relations Option, 339
 Outstanding Professors, 13

P

Painting, 122, 123
 Part-time Status, 81
 Pell Grant, 52
 Perkins Loan, 52
 Permaculture Concentration, 309
 Permaculture Minor, 314
 Philosophy, Bachelor of Arts, 414
 Philosophy Minor, 415
 Physical Education, Bachelor of Arts, 246
 Physical Education Minor, 248
 Physical Sciences, Bachelor of Arts, 547
 Physical Sciences Minor, 549
 Physics, 545
 Physics Minor, 546
 Piano Performance, 141
 Political Science, Bachelor of Arts, 444
 Political Science Minor, 446
 Portuguese Minor, 429
 Pre-Health Professional Program, 495
 Printmaking, 122, 123
 Prior Coursework, 37
 Probation, Academic, 87
 Psychology, Bachelor of Arts, 284
 Psychology Minor, 294

Q**R**

Readmission, 28
 Recreation and Wellness Program, 61
 Reentry/Adult Student (also see Adult Student), 16
 Reentry Programs, 61
 Refund of Fees, 47
 Registration, 43
 Registration Cancellation, 48
 Renewal, Academic, 89
 Repeated Courses, 86
 Report Delayed, 85
 Residence Life Village, 5
 Returning Students, 26

S

Safety on Campus, 61
 SAT and ACT, 26
 Scholarships, 15
 Sculpture, 122, 124
 Senior Scholars, 16
 Service Learning, 20
 Sexual Harassment Policy, 77
 Sign Language Courses, 432
 Single Subject Matter Preparation Program in Physical Education, 249
 Social Sciences, Bachelor of Arts, 456
 Social Security Number, Use of, 604
 Sociology, Bachelor of Arts, 468
 Sociology Minor, 471
 Spanish, B.A. with Minor in Business Administration, 433
 Spanish, Bachelor of Arts, 432
 Spanish Minor, 433
 Special Major, 117
 Special Programs, 20
 Speech Communication Minor, 340
 Speech Communication Option, 339
 Spring Semester 2008 Calendar, 11
 Stockton Center, 21
 Strategy/Entrepreneurship Track, 198
 Student Activities Center, 61
 Student Affairs, 560
 Student Body, 14
 Student Body Fee Establishment/Abolishment Procedure, 605
 Student Classifications, 80
 Student Conduct, 605
 Student Leadership and Development, 62
 Student Life, 14
 Student Records, Accessing, 602
 Student Success Center, 15
 Student Support Services, 62
 Study Abroad, 16
 Subject Matter Preparation Program in Art, 125
 Subject Requirements, 30
 Summer Bridge Program, 62
 Summer Term 2007 Calendar, 10
 Summit Program, 109
 Supplementary Admission Criteria, 598
 Systemwide Placement Tests, 39

T

Teaching English to Speakers of Other Languages (TESOL)
Certificate Program, 375
Concentration, 374
Technical Theatre Emphasis, 164
Testing Services, 62
Test of English as a Foreign Language (TOEFL), 27
Theatre Arts, Bachelor of Arts, 163
Theatre Arts Minor, 165
Time Based Media, 122
Transcripts, 82
Transcripts and test scores, 26
Transfers, 32
Trustees of The California State University, 578
Tutoring, 16
Tutoring Services, 58

U

Unauthorized Incomplete, 84
Undergraduate Enrollment in Graduate Courses, 82
University Advancement, 561
University Student Union, 5, 63
Urban and Community Concentration Studies, 463

V

Vasché Library, 5
Verification of English Proficiency, 27
Veteran Deferral, 50
Veterans' Dependents, 51
Veterans Educational Benefits, 37
Vice Provost, 559
Visitors Program, 31
Vocal Performance, 142

W

Western Association of Schools and Colleges, 4
Western Undergraduate Exchange (WUE) program, 12
Winter Term, 93
Winter Term 2008 Calendar, 10
Withdrawal from Courses, 85
Writing Proficiency, 95
Writing Proficiency Screening Test, 95

X**Y****Z**

Zoology Concentration, 493

**Undergraduate Degrees
by Colleges and Departments**

College of the Arts**Department of Art**

Bachelor of Arts in Art
Bachelor of Fine Arts in Art

Department of Music

Bachelor of Arts in Music
Bachelor of Music

Department of Theatre

Bachelor of Arts in Theatre Arts

College of Business Administration

Bachelor of Science in Applied Studies

Department of Accounting and Finance

Bachelor of Science in Business Administration

Department of Computer Information Systems

Bachelor of Science in Computer Information Systems

Department of Management, Operations, and Marketing

Bachelor of Science in Business Administration

College of Education**Department of Liberal Studies**

Bachelor of Arts in Liberal Studies

Department of Physical Education and Health

Bachelor of Arts in Physical Education

College of Human and Health Sciences**Department of Psychology**

Bachelor of Arts in Child Development
Bachelor of Arts in Psychology

Department of Nursing

Bachelor of Science in Nursing

College of Humanities and Social Sciences**Department of Agricultural Studies**

Bachelor of Arts in Agricultural Studies

Department of Anthropology and Geography

Bachelor of Arts in Anthropology
Bachelor of Arts in Geography

Department of Communication Studies

Bachelor of Arts in Communication Studies

Department of Criminal Justice

Bachelor of Arts in Criminal Justice

Department of Economics

Bachelor of Arts in Economics

Department of English

Bachelor of Arts in English

Department of History

Bachelor of Arts in History

Department of Philosophy and Modern Languages

Bachelor of Arts in Philosophy

Bachelor of Arts in Spanish

Department of Politics and Public Administration

Bachelor of Arts in Political Science

Department of Sociology

Bachelor of Arts in Social Sciences

Bachelor of Arts in Sociology

College of Natural Sciences

Bachelor of Arts in Cognitive Studies

Department of Biological Sciences

Bachelor of Arts in Biological Sciences

Bachelor of Science in Biological Sciences

Department of Chemistry

Bachelor of Arts in Chemistry

Bachelor of Science in Chemistry

Department of Computer Science

Bachelor of Science in Computer Science

Department of Mathematics

Bachelor of Arts in Mathematics

Bachelor of Science in Mathematics

Department of Physics, Physical Sciences, and Geology

Bachelor of Arts in Physical Sciences

Bachelor of Arts in Physics

Bachelor of Science in Geology

Bachelor of Science in Physics

Special Major

Bachelor of Arts in Special Major

Bachelor of Science in Special Major

Degree Programs**Undergraduate Degrees****Bachelor of Arts**Agricultural Studies: *Agricultural Biology, Agricultural Business/Economics, Permaculture, Special Concentration*Anthropology: *Archaeology, Ethnology, Physical Anthropology*Art: *Art History*Biological Sciences: *Botany, Clinical Laboratory Science, Ecology and Field Biology, Entomology, Environmental Sciences, Genetics, Marine Biology, Microbiology, Zoology*Chemistry: *Environmental Sciences*Child Development: *Child Development Programs Track, Child Development Research Track, Child Development Services Track*

Cognitive Studies

Communication Studies: *Organizational Communication/Public Relations option, Speech Communication option*Criminal Justice: *Corrections, Forensic Science, Law Enforcement*

Economics

English: *Teaching English to Speakers of Other Languages (TESOL)*Geography: *Applied Geography*

History

Liberal Studies: *Anthropology, Applied Philosophy, Art, Bilingual/Crosscultural-Southeast Asian, Bilingual/Crosscultural-Spanish, Biological Sciences, Chemistry, Child Development, Civics, Communication Studies, Earth Sciences, Economics, English, Ethnic Studies, Exceptional Children and Youth, Geography, History, Mathematics, Music, Physical Education, Physics and Physical Sciences, Sociology, Spanish, Teaching English to Speakers of Other Languages (TESOL), Theatre*

Mathematics

Music: *General Music, Music Technology*

Philosophy

Physical Education: *Health and Wellness Promotion*Physical Sciences: *Applied Physics, Earth and Space Sciences, Environmental Sciences (duplicated)*

Physics

Political Science

Psychology: *Developmental Psychology, Experimental Psychology*Social Sciences: *Interdepartmental Studies, International Studies, Urban and Community Studies*Sociology: *Body, Culture, and Society (The), Drug and Alcohol Studies, Human Services, Social Deviance and Criminology, Social Inequality*

Spanish

Special Major

Theatre Arts: *Acting Emphasis, Technical Theatre Emphasis*

Bachelor of Fine Arts

Art: *Graphic Arts, Mixed Subject, New Media, Painting, Printmaking, Sculpture, Time Based Media*

Bachelor of Music

Music: *Composition, Instrumental Performance, Jazz Studies, Music Education-Choral, Music Education-Instrumental, Piano Performance, Vocal Performance*

Bachelor of Science

Applied Studies

Biological Sciences: *Botany, Clinical Laboratory Science, Ecology and Field Biology, Entomology, Environmental Sciences, Genetics, Marine Biology, Microbiology, Zoology*

Business Administration: *Accounting, Agricultural Business, Finance, General Business, Management (Human Resource Track, International Business Track, Strategy/Entrepreneurship Track), Marketing, Operations Management*

Chemistry: *Environmental Sciences (duplicated)*

Computer Information Systems

Computer Science

Geology: *Applied Geology*

Mathematics

Nursing: *RN to BSN Track, Pre-licensure BSN Track*

Physics

Special Major

Graduate Degrees (see Graduate Catalog)

Executive Master of Business Administration

Master of Arts

Criminal Justice

Education: *Curriculum and Instruction (Elementary Education, Multilingual Education, Reading, Secondary Instruction), Educational Technology, Physical Education, School Administration, School Counseling, Special Education*

English: *Literature, Rhetoric and the Teaching of Writing, Teaching English to Speakers of Other Languages (TESOL)*

History: *International Relations, Secondary School Teachers*

Interdisciplinary Studies

Psychology

Master of Science

Ecology and Sustainability: *Ecological Conservation, Ecological Economics*

Interdisciplinary Studies

Marine Sciences

Psychology: *Behavioral Analysis, Counseling*

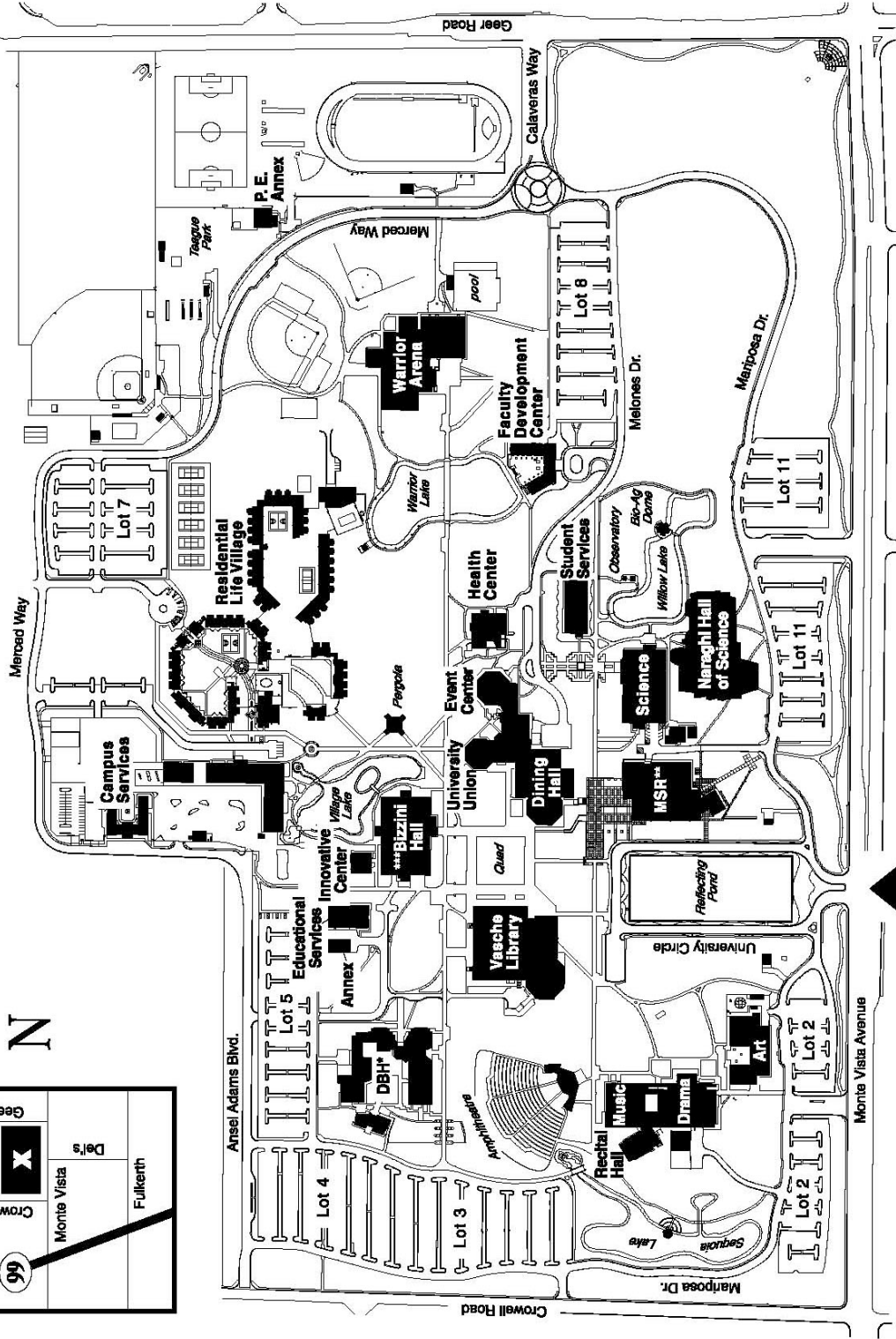
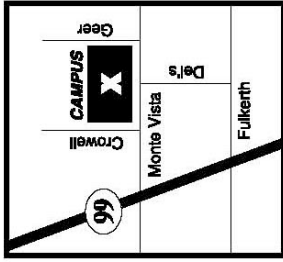
Master of Business Administration

Master of Science Business Administration

Master of Public Administration

Master of Social Work

CSU STANISLAUS *Turlock, California*



- * DBH - Demergasc-Bava Hall
- **MSR - Mary Stuart Rogers Educational Services Gateway Building
- *** Bizzini Hall - Dorothy & Bill Bizzini Hall/Classroom Building