



CALIFORNIA STATE UNIVERSITY, STANISLAUS



2005 - 2006 CATALOG

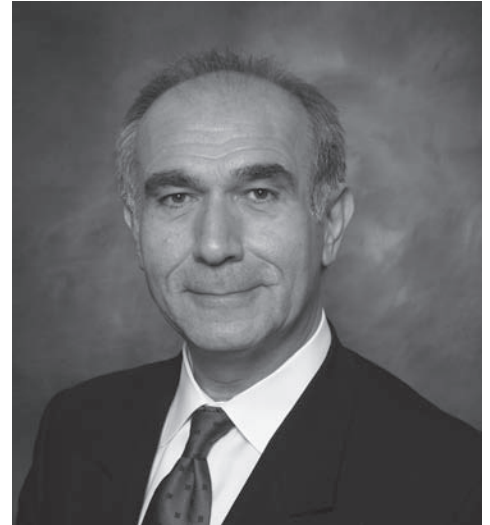
Contents

A Learning-Centered University.....	4	Geography.....	193
Strategic Goals 2005-2010.....	5	Geology.....	197
Academic Calendar.....	7	Gerontology.....	201
The CSU System.....	9	History.....	202
Trustees and Officers.....	11	University Honors Program.....	208
Campuses of The California State University.....	12	Humanities.....	211
California State University, Stanislaus.....	13	MA/MS Interdisciplinary Studies.....	212
California State University Stanislaus - Stockton.....	22	Journalism.....	214
University Extended Education.....	24	Latin American Studies.....	215
Undergraduate Admission to the University.....	25	Liberal Studies.....	216
Student Affairs.....	38	Management.....	230
Registration and Other Fees.....	42	Marine Sciences.....	233
Financial Aid and Scholarships.....	50	Marketing.....	238
Academic Policies and Procedures.....	52	Mathematics.....	241
Academic Standards.....	57	Modern Languages.....	246
Undergraduate Degree Requirements.....	60	Multidisciplinary Studies.....	255
Office of Global Affairs.....	73	Music.....	257
The Graduate School.....	75	Nursing.....	267
The Child Development Center.....	83	Operations Management.....	272
Credential Processing Center.....	84	Permaculture.....	274
Academic Programs		Philosophy.....	276
College of Arts, Letters, and Sciences.....	85	Physical Education and Health.....	280
College of Business Administration.....	86	Physics, Physical Sciences.....	287
College of Education.....	90	Politics and Public Administration.....	291
School of Fine and Performing Arts.....	91	Psychology.....	300
Course Numbering System.....	92	Social Sciences.....	312
Accounting.....	93	Master of Social Work.....	318
Advanced Studies in Education.....	96	Sociology.....	321
Agricultural Studies.....	106	Teacher Education.....	326
Anthropology.....	109	Theatre.....	341
Applied Studies.....	114	The General Faculty.....	345
Art.....	115	Emeritus Faculty.....	353
Biological Sciences.....	122	Appendixes	
Master of Business Administration.....	130	A. Eligibility Index Table.....	356
Master of Science in Business Administration, Finance:		B. History of Calendar Changes.....	357
International Finance.....	131	C. Residence Determination.....	357
Chemistry.....	134	D. Establish or Abolish Student Body Fee.....	358
Child Development.....	138	E. Cost of Education.....	359
Cognitive Studies.....	143	F. Student Discipline.....	360
Communication Studies.....	147	G. Grade Assignment and Appeal.....	361
Computer Information Systems.....	153	H. Family Educational Rights and Privacy Act (FERPA).....	363
Computer Science.....	157	I. Institutional and Financial Assistance.....	365
Criminal Justice.....	161	J. Sexual Harassment Policy.....	365
Economics.....	168	K. Learning Disabled Student	
Engineering.....	171	G.E. Requirement Waiver.....	367
English.....	172	L. Learning Disabled Student	
Environmental and Resource Studies.....	180	Course Substitutions.....	368
Environmental Sciences.....	181	M. College Board Advanced Placement.....	369
Ethnic Studies.....	182	N. College Level Examination Program.....	370
Exceptional Children and Youth.....	185	O. Sexual Assault Policy.....	372
Finance.....	186	P. Digital Millennium Copyright Act (DMCA).....	375
Gender Studies.....	189		
General Business.....	192		

MESSAGE FROM THE PRESIDENT

Welcome to California State University, Stanislaus. You will find that we offer a first-rate educational experience on our beautiful and welcoming campus in the rich valley of northern California. 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 to make the most of some of the most precious years of your life—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 are happy. Students stay where they find a satisfying educational experience and an environment that helps them succeed.



Our students succeed because we offer a student-centered community committed to access, especially for first-generation students, and are committed to making that access meaningful by helping students succeed. Students at CSU Stanislaus 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.

Students at Stanislaus also enjoy our first-class sports facilities and our newly expanded on-campus Residential Village with all the amenities of home. A state-of-the-art science lab is now under construction. 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 culture and big-city excitement of San Francisco. We offer a wide range of fully accredited academic programs—from business and education to nursing, psychology, and public administration, among others. And we are recognized for our commitment to diversity and a student body drawn from many nations around the world.

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

CSU Stanislaus is an exciting place—a university on the move, always reaching toward higher levels of excellence, always demanding that everyone involved stretch themselves intellectually, creatively and socially. 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 face the challenges of higher education in this century and to help each individual student explore and define his or her place and future contributions in our complex global society. Pursuing a college education is a challenging and fulfilling journey; CSU Stanislaus is a wonderful place to begin this journey that will change your life.

Hamid Shirvani
President

A Learning-Centered University

Mission of the University

Mission Statement

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.

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.

University Values

In order 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.

California State University, Stanislaus Strategic Goals 2005-2010

Goal 1: Prepare CSU Stanislaus graduates to become fully engaged and responsible leaders in a global and increasingly interconnected world.

Objective 1A: Prepare students to understand and improve our region within the context of a broader global awareness and environmental sustainability.

Objective 1B: Prepare students to act ethically and make informed and responsible choices in their personal and professional lives.

Objective 1C: Increase student knowledge and understanding of diverse societies, cultures and languages.

Objective 1D: Significantly increase student participation in interactive learning experiences through undergraduate and graduate research, internships, and service learning opportunities on campus and in our community.

Goal 2: Enhance the quality, distinctiveness and public image of our learning-centered University's academic and co-curricular programs.

Objective 2A: Engage in assessment activities and continuous improvement to enhance student learning and to achieve the highest levels of regional and disciplinary accreditations.

Objective 2B: Grow academic programs and support activities in disciplines that enhance our region's economic viability.

Objective 2C: Strengthen our general education programs to prepare our students for lifelong learning and multiple careers.

Objective 2D: Increase opportunities for participation in contract and grant activities.

Objective 2E: Increase student preparation, connection and access by partnering with our regional schools.

Objective 2F: Improve student leadership development, career preparation and job placement programs to meet the needs of our students and achieve national recognition.

Goal 3: Ensure that the higher education needs of our growing student body are met through 2010 with high quality faculty, managers, staff and infrastructure.

Objective 3A: Continuously exceed CSU system-wide averages and our national comparison universities for rates of student retention and graduation.

Objective 3B: Complete and continuously review the Turlock campus Physical Master Plan to prepare for a full campus build-out with a 15,000 student headcount by 2020.

Objective 3C: Recruit, develop and retain excellent faculty by creating a model that addresses our commitment to flexible faculty workload and promotes teaching excellence, professional development, diversity, scholarship and service to the university and community.

Objective 3D: Recruit, develop and retain excellent managers and staff by supporting professional development, diversity, work process innovation and service to the University.

Objective 3E: Increase opportunities for close student-faculty interaction and for student engagement with the campus community.

Goal 4: Develop CSU Stanislaus-Stockton to provide eight to ten complete academic programs with the appropriate levels of academic, administrative and student support services.

Objective 4A: Increase student access and retention by offering reliable and consistent course scheduling and student support services designed to meet the needs of the CSU Stanislaus-Stockton student population.

Objective 4B: Offer high quality facilities and resources for distance learning among the Turlock campus, the Stockton campus and our broader service area.

Objective 4C: Offer long and short-term customized programs to meet regional education needs.

Objective 4D: Develop, in collaboration with the community, a comprehensive master plan including financial, facilities and student headcount for CSU Stanislaus-Stockton by 2008.

Goal 5: Raise awareness and appreciation among targeted local, regional, national and international constituencies regarding the impact of the programs, services and values of our university.

Objective 5A: Conduct a capital campaign to raise \$50 million by 2010 that will enhance our core academic mission and help to celebrate the 50th anniversary of CSU Stanislaus.

Objective 5B: Identify, develop and maintain critical public and private partnerships that serve the needs of our growing student body, faculty, campus and community.

Objective 5C: Build our alumni program and increase awareness of their accomplishments and contributions to society.

Objective 5D: Target programs and support activities in the Fine and Performing Arts, Athletics and Special Events in order to enhance the region's cultural enrichment.

Academic Senate Approval, 4.12.05

Academic Calendar

Winter Term is tangible evidence of CSU Stanislaus' commitment to intellectual inquiry and creative pedagogy.

The 4-1-4 at CSU Stanislaus

California State University, Stanislaus was the first public, four-year institution of higher learning in California to adopt a 4-1-4 academic calendar. The program, now beginning its twenty-ninth year, has been well received by students and faculty.

Under 4-1-4 the academic year consists of two 13-week semesters and a month-long winter term beginning in January. Fall semester ends before the holiday break and spring semester finishes in late May. 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 in the course of an academic year the 4-1-4 calendar is 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 month-long winter term in which both students and faculty concentrate on one course or project. Winter term is tangible evidence of the University's commitment to intellectual inquiry and creative pedagogy. 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 courses, as an integral part of the 4-1-4 calendar, are required for graduation.

During winter term, both teacher and student have an unusual chance for intensive, uninterrupted pursuit of a single subject. This concentration of time, resources, and energy in itself constitutes a new intellectual experience for most undergraduates. Furthermore, CSU Stanislaus winter term policy facilitates interdisciplinary teaching and learning, invites off-campus field work and research, allows students to propose courses or projects, and provides foreign travel/study courses.

Beginning with the Summer Term 2001, the University offered a state-supported summer term, a 6-week session and a 4-week session.



2005-2006 Academic Calendar

Summer Term 2005

Registration dates and related information are available in the current Schedule of Classes or on line at www.csustan.edu.

February 1-28, 2005 Priority Admission Filing Period
 June 13, 2005 Classes Begin
 August 19, 2005 Last Day of the Term

Winter Term 2006

Registration dates and related information are available in the current Schedule of Classes or online at www.csustan.edu.

June 1-30, 2005 Priority Admission Filing Period
 January 4, 2006 Classes Begin
 January 11, 2006 Enrollment Census Date:
 Enrollments not accepted after this date
 January 16, 2006 Martin Luther King Day (Campus Closed)
 February 1, 2006* Last Day of Classes
 February 2-3, 2006 Final Examinations
 February 8, 2006 Last Day of Term
 February 7-8, 2006 Grades Due from Faculty

*Wednesday, February 1, meets as a Monday instructional day.

Fall Semester 2005

Registration dates and related information are available in the current Schedule of Classes or online at www.csustan.edu.

October 1, 2004-November 30, 2004 Priority Admission Filing Period
 September 5, 2005 Labor Day (Campus Closed)
 September 7, 2005 Classes Begin
 October 3, 2005 Applications Due for Winter/Spring/Summer 2006 Graduation
 October 4, 2005 Enrollment Census Date:
 Enrollments not accepted after this date
 October 12, 2005 Columbus Day (Offices Open, No Classes)
 November 11, 2005 Veterans' Day (Offices Open, No Classes)
 November 24-25, 2005 Thanksgiving Holiday (Campus Closed)
 December 9, 2005 Last Day of Classes
 December 12-16, 2005 Final Examinations
 December 21, 2005 Last Day of Term
 December 15-21, 2005 Grades Due from Faculty
 December 26-January 2, 2006 Holiday Break, Campus Closed

Spring Semester 2006

Registration dates and related information are available in the current Schedule of Classes or online at www.csustan.edu.

August 1-31, 2005 Priority Admission Filing Period
 February 6-7, 2006 Academic Holiday (Offices Open, No Classes)
 February 9, 2006 Winter/Spring Recess (Offices Open, No Classes)
 February 14, 2006 Classes Begin
 March 2, 2004† Priority Financial Aid Application Deadline for Fall 2006
 March 13, 2006 Enrollment Census Date:
 Enrollments not accepted after this date
 March 31, 2006 Cesar Chavez Day (Campus Closed)
 April 17-21, 2006 Spring Break (Offices Open, No Classes)
 May 23, 2006* Last Day of Classes
 May 24, 2006 Reading Day
 May 25-26, 30-June 1, 2006 Final Examinations
 May 29, 2006 Memorial Day (Campus Closed)
 June 6, 2006 Last Day of the Term
 June 1-June 6, 2006 Grades Due from Faculty
 June 3, 2006 Commencement

*Tuesday, May 23, meets as a Friday instructional day.

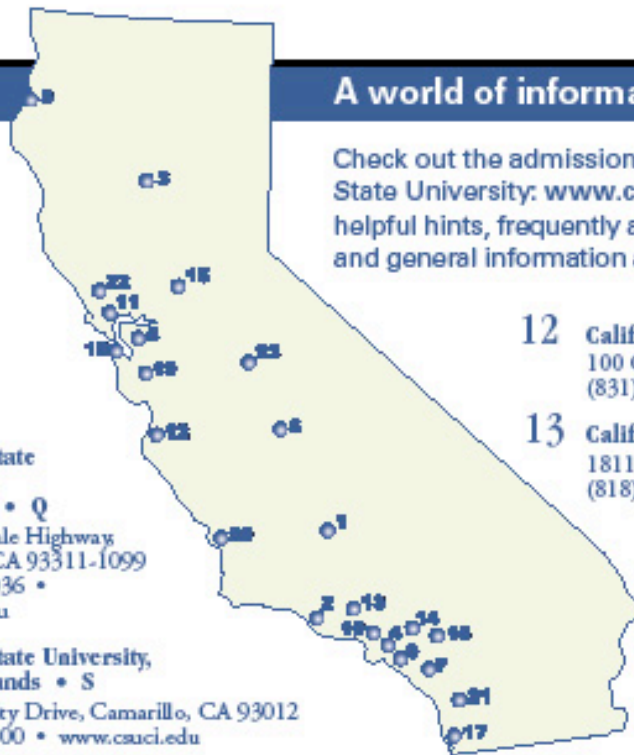
† Applications for financial aid are accepted on an annual basis each



Created by the
CSU Office of the
Chancellor Student
Academic Support

A world of information is just a click away.

Check out the admission website for the entire California State University: www.csumentor.edu. You will find helpful hints, frequently asked questions, campus tours, and general information about all 23 campuses.



- 1 **California State University, Bakersfield • Q**
9001 Stockdale Highway
Bakersfield, CA 93311-1099
(661) 664-3036 • www.csusb.edu
- 2 **California State University, Channel Islands • S**
One University Drive, Camarillo, CA 93012
(805) 437-8500 • www.csuci.edu
- 3 **California State University, Chico • S**
400 W. First Street, Chico, CA 95929-0722
(530) 898-6321 • www.csuchico.edu
- 4 **California State University, Dominguez Hills • S**
1000 East Victoria Street, Carson, CA 90747
(310) 243-3696 • www.csudh.edu
- 5 **California State University, East Bay • Q**
25800 Carlos Bee Blvd., Hayward, CA 94542-3035
(510) 885-2624 • www.csueastbay.edu
- 6 **California State University, Fresno • S**
5150 North Maple Avenue, Fresno, CA 93740-0057
(559) 278-2261 • www.csufresno.edu
- 7 **California State University, Fullerton • S**
800 N. State College Blvd., Fullerton, CA 92834-9480
(714) 278-2300 • www.fullerton.edu
- 8 **Humboldt State University • S**
1 Harpst Street, Arcata, CA 95521-4957
(707) 826-4402 • (866) 850-9556 • www.humboldt.edu
- 9 **California State University, Long Beach • S**
1250 Bellflower Blvd.,
Long Beach, CA 90840-0106
(562) 985-5471 • www.csulb.edu
- 10 **California State University, Los Angeles • Q**
5151 State University Drive,
Los Angeles, CA 90032-8530
(323) 343-3901 • www.calstatela.edu
- 11 **California Maritime Academy • S**
200 Maritime Academy Drive, Vallejo, CA 94590
(800) 561-1945 • www.csuam.edu
- 12 **California State University, Monterey Bay • S**
100 Campus Center Drive, Seaside, CA 93955-8001
(831) 582-3518 • www.csumb.edu
- 13 **California State University, Northridge • S**
18111 Nordhoff Street, Northridge, CA 91330-8207
(818) 677-3700 • www.csun.edu
- 14 **California State Polytechnic University, Pomona • Q**
3801 West Temple Avenue,
Pomona, CA 91768-4003
(909) 869-3210 • www.csupomona.edu
- 15 **California State University, Sacramento • S**
6000 J Street, Sacramento,
CA 95819-6048
(916) 278-3901 • www.csus.edu
- 16 **California State University, San Bernardino • Q**
5500 University Parkway
San Bernardino, CA 92407-2397
(909) 880-5188 • www.csusb.edu
- 17 **San Diego State University • S**
5500 Campanile Drive, San Diego, CA 92182-7455
(619) 594-6336 • www.sdsu.edu
- 18 **San Francisco State University • S**
1600 Holloway Avenue, San Francisco, CA 94132-4002
(415) 338-1113 • www.sfsu.edu
- 19 **San José State University • S**
One Washington Square, San José, CA 95192-0009
(408) 283-7500 • www.sjsu.edu
- 20 **California Polytechnic State University, San Luis Obispo • Q**
One Grand Avenue, San Luis Obispo, CA 93407
(805) 756-2311 • www.calpoly.edu
- 21 **California State University, San Marcos • S**
333 S. Twin Oaks Valley Road
San Marcos, CA 92096-0001
(760) 750-4848 • www.csusm.edu
- 22 **Sonoma State University • S**
1801 East Cotati Avenue, Rohnert Park, CA 94928
(707) 664-2778 • www.sonoma.edu
- 23 **California State University, Stanislaus • 4-1-4**
801 West Monte Vista Avenue, Turlock, CA 95382
(209) 667-3152 • www.csustan.edu

S - Semester system

Q - Quarter system

Note: Telephone numbers are to the campus admission office.

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 campus, CSU Channel Islands, opened in 2002.

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 a basic program of “General Education Requirements” for graduation 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.

The system awards more than half of the bachelor’s degrees and a third of the master’s degrees granted in California. More than 2 million people have been graduated from CSU campuses since 1961.

Trustees and Officers

Ex Officio Trustees

Governor of California

The Honorable Arnold Schwarzenegger, State Capitol
Sacramento 95814

Lieutenant Governor of California

The Honorable Cruz Bustamante, State Capitol
Sacramento 95814

Speaker of the Assembly

The Honorable Fabian Nuñez, State Capitol
Sacramento 95814

State Superintendent of Public Instruction

The Honorable Jack O'Connell, 1430 N Street
Sacramento 95814

Chancellor of the California State University

Dr. Charles B. Reed, 401 Golden Shore
Long Beach 90802-4210

Executive Staff, Office of the Chancellor

The California State University

401 Golden Shore
Long Beach, California 90802-4210
(562) 951-4000

Chancellor - CSU System

Dr. Charles B. Reed

Executive Vice Chancellor and Chief Academic Officer

Dr. David S. Spence

Executive Vice Chancellor and Chief Financial Officer

Mr. Richard P. West

Vice Chancellor, Human Resources

Ms. Jackie McClain

General Counsel

Ms. Christine Helwick, Esq.

University Auditor

Mr. Larry Mandel

Trustee Officers

President

The Honorable Arnold Schwarzenegger

Chair

Murray L. Galinson

Vice Chair

Roberta Achtenberg

Secretary

Christine Helwick

Treasurer

Richard P. West

Correspondence with Trustees should be sent to:

c/o Trustees Secretariat
The California State University
401 Golden Shore
Long Beach, California 90802-4210

Appointed Trustees

Appointments are for a term of eight years, except for a student Trustee, an alumni Trustee, and a faculty Trustee, whose terms are for two years. Terms expire in the year in parentheses.

Ms. Roberta Achtenberg (2007)
Mr. Larry Adamson (2005) (Alumni Trustee)
Mr. Jeffrey L. Bleich (2010)
Dr. Herbert Carter (2011)
Mrs. Carol Chandler (2012)
Mr. Moctesuma Esparza (2008)
Dr. Debra S. Farar (2006)
Mr. Robert G. Foster (2006)
Dr. Murray L. Galinson (2007)
Dr. George G. Gowgani (2010)
Mr. Eric Guerra (2005) (Student Trustee)
Mr. William Hauck (2009)
Mr. Raymond Holdsworth, Jr. (2011)
Mr. Ricardo F. Icaza (2008)
Mr. Corey Alexander Jackson (2006)
Dr. Shailesh J. Mehta (2005)
Ms. Melinda Guzman Moore (2012)
Dr. Craig Smith (2007) (Faculty Trustee)
Mr. Kyriakos Tsakopoulos (2009)
Mr. Anthony M. Vitti (2005)

Campuses of The California State University

**California State University,
Bakersfield**

9001 Stockdale Highway
Bakersfield, California 93311-1022
Dr. Horace Mitchell, President
(661) 664-2011
www.csub.edu

**California State University,
Channel Islands**

One University Drive
Camarillo, California 93012
Mr. Richard Rush, President
(805) 437-8400
www.csuci.edu

California State University, Chico

400 West First Street
Chico, California 95929-0150
Dr. Paul J. Zingg, President
(530) 898-6116
www.csuchico.edu

**California State University,
Dominguez Hills**

1000 East Victoria Street
Carson, California 90747-0005
Dr. James E. Lyons, Sr., President
(310) 243-3300
www.csudh.edu

**California State University,
East Bay**

25800 Carlos Bee Boulevard
Hayward, California 94542-3035
Dr. Norma S. Rees, President
(510) 885-3000
www.csueastbay.edu

California State University, Fresno

5241 North Maple Avenue
Fresno, California 93740-8014
Dr. John D. Welty, President
(559) 278-4240
www.csufresno.edu

**California State University,
Fullerton**

800 North State College Boulevard
Fullerton, California 92834-9840
Dr. Milton A. Gordon, President
(714) 278-2011
www.fullerton.edu

Humboldt State University

1 Harpst Street
Arcata, California 95521-8299
Dr. Rollin C. Richmond, President
(707) 826-3011
www.humboldt.edu

**California State University,
Long Beach**

1250 Bellflower Boulevard
Long Beach, California 90840-0115
Dr. Robert C. Maxson, President
(562) 985-4111
www.csulb.edu

**California State University,
Los Angeles**

5151 State University Drive
Los Angeles, California 90032-4226
Dr. James M. Rosser, President
(323) 343-3000
www.calstatela.edu

California Maritime Academy

200 Maritime Academy Drive
P.O. Box 1392
Vallejo, California 94590
Mr. William Eisenhardt, President
(707) 654-1000
www.csum.edu

**California State University,
Monterey Bay**

100 Campus Center
Seaside, California 93955-8001
Dr. Peter P. Smith, President
(831) 582-3330
www.csUMB.edu

**California State University,
Northridge**

18111 Nordhoff Street
Northridge, California 91330-8207
Dr. Jolene Koester, President
(818) 667-1200
www.csun.edu

**California State Polytechnic
University, Pomona**

3801 West Temple Avenue
Pomona, California 91768-4003
Dr. S. Michael Ortiz, President
(909) 869-7659
www.csupomona.edu

**California State University,
Sacramento**

6000 J Street
Sacramento, California 95819-6048
Dr. Alexander Gonzalez, President
(916) 278-6011
www.csus.edu

**California State University,
San Bernardino**

5500 University Parkway
San Bernardino, California 92407-2397
Dr. Albert Karnig, President
(909) 880-5000
www.csusb.edu

San Diego State University

5500 Campanile Drive
San Diego, California 92182-7455
Dr. Stephen L. Weber, President
(619) 594-5200
www.sdsu.edu

San Francisco State University

1600 Holloway Avenue
San Francisco, California 94132-4002
Dr. Robert A. Corrigan, President
(415) 338-1111
www.sfsu.edu

San Jose State University

One Washington Square
San Jose, California 95192-0001
Mr. Don Kassing, President (Interim)
(408) 924-1000
www.sjsu.edu

**California Polytechnic State
University, San Luis Obispo**

1 Grand Avenue
San Luis Obispo, California 93407
Dr. Warren J. Baker, President
(805) 756-1111
www.calpoly.edu

**California State University,
San Marcos**

333 South Twin Oaks Valley Road
San Marcos, California 92096-0001
Dr. Karen S. Haynes, President
(760) 750-4000
www.csusm.edu

Sonoma State University

1801 East Cotati Avenue
Rohnert Park, California 94928-3609
Dr. Ruben Armiñana, President
(707) 664-2880
www.sonoma.edu

**California State University,
Stanislaus**

801 West Monte Vista Avenue
Turlock, California 95382-0299
Dr. Hamid Shirvani, President
(209) 667-3122
www.csustan.edu

California State University, Stanislaus

CSU Stanislaus Administration

President **Hamid Shirvani**
 Assistant to the President for Internal Relations Deanie Brown
 Chief of Staff Julia B. Fahrenbruch

Provost/Vice President for

Academic Affairs **David Dauwalder**

Executive Assistant to
 the Provost Janet King
 Acting Director, Global Affairs Hildred Heath
 Director, Graduate School Jim Burns

Vice Provost and Associate Vice President for

Assessment and Quality Assurance **Diana Demetrulias**

Director, Research and
 Sponsored Programs Suzanne Burns
 Coordinator, Service Learning Julie Fox
 Curriculum Manager Jeanne Elliott

Associate Vice President, Faculty Affairs

..... **Ted Wendt**
 Director, Faculty Center for Excellence
 in Teaching and Learning Armin Schulz

Director, Institutional Research Vacant

Associate Vice President, Information

Technology **Maithreyi Manoharan**

Director, Distance and Mediated
 Learning Norman Wagner
 Director, Administrative
 Technology Charles Holmberg
 Manager, Network and Communication Services Vacant
 Manager, Academic and
 Instructional Services Roland Johnson

Assistant Vice President, Enrollment

Management **Roger Pugh**

Director, Admissions and Records Lisa Bernardo
 Associate Director, Admissions Vadon McIlwain
 Director, Financial Aid and
 Scholarships David Gomes (Interim)
 Department Coordinators, Student Recruitment and
 Outreach Steven Graham, Efrén Galvan

Dean, College of Arts, Letters

and Sciences **June L. Boffman (Interim)**

Associate Dean Marjorie Jaasma (Interim)
 Associate Dean Nancy Clark (Interim)

School of Fine and Performing Arts

Director Joseph Wigget

Department Chairs:

Anthropology and Geography Michael Schmandt
 Art Gordon Senior
 Biological Sciences Jane Bruner
 Chemistry Shane Phillips
 Communication Studies Marjorie Jaasma
 Computer Science Thomas J. Carter
 Criminal Justice Phyllis Gerstenfeld
 Economics Edward C. Erickson

English Mark Thompson
 Gender/Ethnic Studies Sari Miller-Antonio
 Honors James A. Tuedio, Helena Janes
 History Richard Weikart
 Liberal Studies Kathy Shipley
 Mathematics Viji Sundar
 Music Stephen Thomas
 Nursing Nancy Clark
 Philosophy/Modern Languages James A. Tuedio
 Physics, Physical Sciences, and Geology Ian Littlewood
 Politics/Public Administration Jason Myers
 Psychology Gina Pallotta
 Social Work Margaret Tynan
 Sociology Paul O'Brien
 Theatre Clay Everett

Dean, College of Business

Administration **Amin A. Elmallah**

Department Chairs:

Accounting and Finance David H. Lindsay
 Computer Information Systems Eleftherios (Al) Tsacle
 Management, Marketing and
 Operations Management Nael A. Aly

Program Director:

Master of Business
 Administration Randall B. Brown
 Master of Science in Business Administration, Finance:
 International Finance Andrew J. Wagner

Dean, College of Education

..... **Mildred Murray-Ward**

Department Chairs:

Advanced Studies in Education Dawn Poole
 Physical Education/Health J. Sue Fletcher
 Teacher Education Pamela Russ
 Director, Credential Processing Center Alice Fuentes

Dean, Library Services

..... **Carl E. Bengston**

Library Faculty:

Reference Coordinator Arthur Buell
 Library Instruction Coordinator Amy Andres
 Electronic Resources Coordinator John Brandt
 Technical Services Coordinator Annie Hor
 Library Systems Coordinator Priscilla S. Peters
 Collection Development Coordinator Kenneth J. Potts
 Reference/Instruction Librarian Andre Garza
 Reference/Instruction Librarian Warren Jacobs

Dean, CSU Stanislaus-Stockton

..... **Cynthia L. Morgan**

Academic Director Dave Hamlett

Coordinator, Academic Support Services Pamela Craft

Dean, University Extended

Education **Roger Pugh (Interim)**

Director, University Extended

Education Jill Tiemann-Gonzalez

Vice President for Student

Affairs **Stacey Morgan-Foster**

Executive Assistant to the Vice President

and Coordinator of Judicial Affairs Mark Erickson

Associate Vice President for Student
Affairs and Dean of Students Frederick S. Edmondson
Administrative Director, Associated
Students, Inc. Cari Stammer
Director, Housing and
Residential Life Vacant
Director, University Student Union Alan Brown
Director, Student Leadership &
Development Katie Olivant
Associate Director, Student Health Center Denice Barr
Senior Director, Retention Services and Director,
Educational Opportunity Program Ronald J. Noble
Director, Career Services Christine Hollister
Director, Counseling Services Vacant
Director, Disability Support Services Leland R. Bettencourt
Director, First-Year Programs and Advising Lee J. Renner
Director, Student Support
Services Jessi Reyes-Murray
Director, Tutoring Center Louisa Herrera

Vice President for Business and Finance Mary Stephens
Assistant Vice President, Facilities
and Support Services Robert Gallegos
Assistant Vice President, Financial Services Becka A. Paulsen
Chief of Police/Director of Public Safety Steve Jaureguy
Director, Human Resources Mary Kobayashi-Lee
Executive Assistant/Commercial
Operations Manager Clyta Polhemus

**Vice President for Development and
University Relations William N. Ruud**
Assistant Vice President Anne Harris
Director of Corporate and Foundation Giving Michele Lahti
Director, Athletics Milton Richards
Director, Advancement Services Robert Harris
Director for Advancement, Stockton Carrie Sass
Director, University Communications Ben Parent
Public Affairs/Media Relations Don Hansen
Director, Alumni Relations Jami Westervelt

Foundation Board of Trustees and Officers

2005-2006 Officers of the Board

President
Mr. Bill Mattos

Chair
Dr. Hamid Shirvani

Executive Officer
Dr. William Ruud

Vice President
Ms. Dianne Gagos

Secretary
Mrs. Marian Palmer

Treasurer
Ms. Mary Stephens

Trustee Emerita Mrs. Marjorie Bright

Trustees Emeritus Mr. John Gallo Dr. Robert Janzen

Correspondence with Foundation Trustees should be sent to:
William N. Ruud, Ph.D.
Executive Officer
CSU Stanislaus Foundation
801 W. Monte Vista Avenue, MSR 300
Turlock, CA 95382-0299

Elected Trustees

Mr. Bill Ahlem
Ms. Constance Bird
Ms. Dorothy Bizzini
Mr. Carl Boyett
Mrs. Marjorie Bright, Trustee Emerita
Ms. Carol Bright Tougas
Ms. Jane Butterfield
Mr. Chris Camarena
Mr. Paul Carter
Mr. Gary Conover
Mr. Dan Costa
Dr. David Dauwalder
Ms. Lynn Dickerson
Dr. Moses Elam
Mr. Ron Emerzian
Mr. William R. Endsley
Mr. Ed Fitzpatrick
Mrs. Dianne Gagos, Vice President
Mr. John Gallo, Trustee Emeritus
Mrs. Marie Gallo
Ms. Sara Garfield
Mr. Ernie Gemperle
Ms. Patty Griffin
Mr. Scott Harvey, ASI President
Mr. Lee Hedgepeth
Dr. Robert Janzen, Trustee Emeritus
Mr. Emerson Johnson
Mr. Joe Johnson
Mr. Robert Kavanaugh
Mr. Bob Matthews
Mr. Bill Mattos
Mr. Ken McCall
Mr. Randy Mendoza
Dr. Stacey Morgan-Foster
Mr. Steve Mort
Mrs. Marian Palmer
Mr. John Phillips
Mr. Norm Porges
Dr. William Ruud, Executive Officer
Mr. Luis Sanchez
Dr. Hamid Shirvani, Chair
Mr. John Sigsbury
Ms. Bette Belle Smith
Ms. Mary Stephens, Treasurer
Mr. Alan Strauss
Dr. Stephen Thomas
Mr. Robert Triebisch
Dr. Mark van Overbeek
Ms. Jane Vilas
Mr. Robert Wheeler

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 as listed below.

College of Arts, Letters, and Sciences

Institute for Archaeological Research.....	Lewis K. Napton
Behavioral Intervention Services.....	Jane S. Howard
Institute for Cultural Resources.....	Thomas E. Durbin
Center for Economic Education.....	Kelvin Jasek-Rysdahl and Elaine J. Petersen
Institute for Social and Communication Research.....	John R. Sumser

College of Business Administration

College of Business Administration Professional Development Center.....	Amin A. Elmallah, Interim
College of Business Student Success Center.....	Amin A. Elmallah, Interim

University-wide Centers and Institutes

Child Development Center.....	Rita A. Asher
Center for Direct Instruction.....	Cathy Watkins
Center for Portuguese Studies.....	Elmano M. Costa
Center for Public Policy Studies at CSU Stanislaus.....	John Garcia and Kelvin Jasek-Rysdahl

National Honor Societies

California State University, Stanislaus

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 Arts, Letters, and 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.

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

Nursing: Nursing Honor Society. 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.

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.

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.

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.

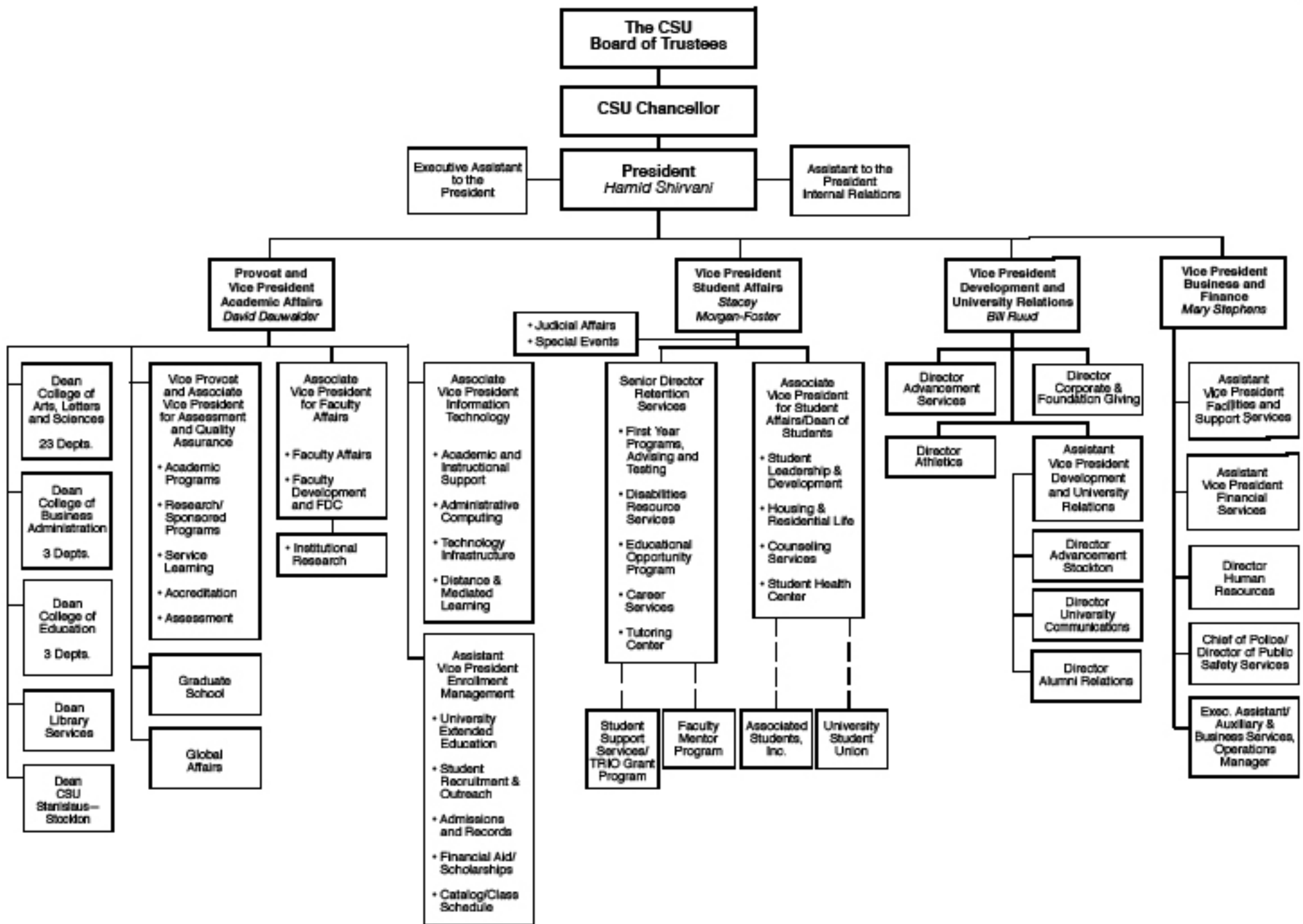
College of Business Administration

Business Administration: Sigma Beta Delta. 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.

CALIFORNIA STATE UNIVERSITY, STANISLAUS



Institutional Accreditation

CSU Stanislaus received its first accreditation in 1964 and most recently received a ten-year reaccreditation in 1999 from:

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

Specialized Accreditation

The following programs are accredited by their specialty organizations.

College of Arts, Letters, and Sciences

- **Art - National Association of Schools of Art and Design**
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248
(703) 437-0700
www.arts-accredit.org
- **Chemistry - American Chemical Society**
1155 Sixteenth Street, NW
Washington, DC 20036
(800) 227-5558 (U.S. only)
(202) 872-4600 (outside the U.S.)
www.acs.org
- **Music - National Association of Schools of Music**
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248
(703) 437-0700
www.arts-accredit.org
- **Nursing - Commission on Collegiate Nursing Education**
One Dupont Circle, NW, Suite 530
Washington, DC 20036
(202) 887-6791
Fax: (202) 887- 8476
www.aacn.nche.edu
- **Public Administration - National Association of Schools of Public Affairs and Administration**
1120 G Street, NW, Suite 730
Washington, DC 20005
(202) 628-8965
www.naspaa.org
- **Psychology - Association for Behavior Analysis**
213 West Hall
1903 West Michigan Avenue
Kalamazoo, MI 49008-5301
(616) 387-8341
Fax: (616) 387-8354
www.abainternational.org
- **Social Work - Council on Social Work Education**
1725 Duke Street, Suite 500
Alexandria, VA 22314-3457
(703) 683-8080
www.cswe.org
- **Theatre - National Association of Schools of Theatre**
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248
(703) 437-0700
www.arts-accredit.org

College of Business Administration

- **AACSB International - The Association to Advance Collegiate Schools of Business**
777 South Harbor Island Boulevard, Suite 750
Tampa, FL 33602-5730
(813) 769-6500
www.aacsb.edu

College of Education

The College of Education is accredited by the National Council for Accreditation of Teacher Education, and by the California Commission on Teacher Credentialing.

- **National Council for Accreditation of Teacher Education**
2010 Massachusetts Avenue NW, Suite 500
Washington, DC 20036-1023
(202) 466-7496
www.ncate.org
- **California Commission on Teacher Credentialing**
1900 Capitol Avenue
Sacramento, CA 95814-4213
(916) 445-7254
www.ctc.ca.gov

The University's History

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. These physical surroundings encourage and welcome students, faculty, staff, and the community to actively participate in the learning-centered activities sponsored by the campus.

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

A university's accreditation is one of the most important indicators of institutional quality. In 1999, CSU Stanislaus received a ten-year affirmation of its accreditation—the highest evaluation proffered by the Western Association of Schools and Colleges (WASC). The University conducted a non-traditional self-study that combined the framework of traditional accreditation standards with a focused, critical inquiry into CSU Stanislaus as a learning-centered university.

CSU Stanislaus serves a six-county region that includes San Joaquin, Stanislaus, Merced, Mariposa, Tuolumne, and Calaveras counties. Residents of San Joaquin County gained access to public higher education when the University opened the Stockton Development Center on the campus of San Joaquin Delta College in 1974. In the fall of 1998, the Center, renamed CSU Stanislaus-Stockton, moved to its permanent site on Magnolia Avenue in downtown Stockton.

The twenty-first century finds CSU Stanislaus students enjoying state-of-the-art computers and services that assist them with registration, grades, program planning, transfer evaluations, and degree compliance.

The Higher Education Consortium of Central California (HECCC)

Executive Director & Regional Title V Director:
Marcella Rodgers SSB 130 (209) 667-3078

The Higher Education Consortium of Central California (HECCC) was initially established in 1981 as an instructional learning consortium. HECCC is a cooperative effort of CSU Stanislaus, Merced College, San Joaquin Delta College, University of California, Merced, and the Yosemite Community College District which includes Modesto Junior College and Columbia College.

The role of the Consortium has expanded to facilitate systematic sharing of resources to ensure an accessible quality education for students. HECCC is the first formally chartered consortium of regional community colleges that includes a California State University and a University of California campus.

HECCC is governed by a Council and an Executive Board. The Executive Director coordinates the functions and projects of HECCC through the following committees:

- Articulation and Transfer Committee
- Evaluators Committee
- Faculty-to-Faculty Committees (as needed)
- Physics Faculty Committee
- Staff Development Committee

Through the efforts of HECCC, a Title V HSI Collaborative research grant was awarded to CSU Stanislaus, Merced College, and Modesto Junior College for the purpose of increasing student success in mathematics and mathematics-dependent courses and increasing community college student transfer to the University. This U.S. Department of Education grant is funded from 2003 through September 2008.

For additional information, visit the HECCC & Title V Grant Web site at heccc.deltacollege.edu

Campus Facilities

The campus in its earliest stage contained only two buildings: the Classroom Building, which originally housed facilities for art, music, theatre, and the sciences, along with the classrooms; and the library building, later named the Vasché Library, after founding President Dr. J. Burton Vasché. A few years later, the art, theatre, music, and science buildings were added.

The campus Health Center, dedicated in 1981, provides basic medical services, health maintenance, and health education. Phase II of the Vasché Library, completed in 1989, doubled its size.

The University Union building, renovated in 1992, houses Kiva Bookstore, the Associated Students, Inc. office, game room, TV lounge, and conference rooms. The Dining Hall complex offers a cafeteria with a seating capacity of 533, two smaller dining rooms for private meetings, and Mom's, the Residence Life Village dining hall.

The Village opened in 1993 and provides student housing complete with laundry facilities, a computer lab, recreation room, courtyard with barbecue areas, and a swimming pool. Phase III, completed in 2004, nearly doubled its capacity and added such features as a unit for the Faculty in Residence, a dining facility, a second pool, and more sports courts.

Physical education facilities include a fieldhouse, the Warrior Arena gymnasium with a 2,300-seat capacity, soccer field, baseball and softball diamonds, tennis courts, all-weather track, vita-course, and swimming pool.

A major addition in 1998 was the Demergasso-Bava Hall which houses classrooms, lecture halls, laboratories and offices for faculty, some academic departments, The Signal, (the student newspaper) and the Distance Learning Center.

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

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 environment to showcase student, faculty and guest talent.

Hours of Operation

Regular Hours:	8:00 a.m. to 5:00 p.m., Monday through Friday.
Summer Hours:	June through August 7:30 a.m. to 4:00 p.m., Monday through Friday

Note: During winter term and summer some smaller campus offices are temporarily closed so students should verify office hours before visiting an office during these months.

The Academic Program

Students are encouraged to take courses that will give them a broad understanding of the liberal arts and sciences during their first two years of study. This breadth then permits them to make a more informed choice of their field of specialization. The University offers 34 undergraduate majors for in-depth and pre-career study. A listing of all available undergraduate majors, minors, and concentrations is included in the "Undergraduate Degrees and Programs" section of this catalog.

The University offers a pledge to students that a bachelor's degree can be completed in four years. Refer to the Undergraduate Degrees and Programs section of the catalog for qualifying information.

CSU Stanislaus also offers 18 master's degree programs described in the Graduate School section of this catalog.

Library

The University Library provides major educational, cultural, and information services and resources 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 Turlock campus and the University's distance learning programs.

The library collection includes 361,000 volumes, 1,500 periodical subscriptions, access to 70+ 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, which contains documents related to local and University history, and the juvenile collection, which has 5,900 volumes of award-winning and notable titles in children's literature. The collection has been developed through close and ongoing collaboration between librarians and discipline faculty.

Located on the second and third floors of the Vasche Library Building, the library facility provides workstations which access the library's electronic resources, two electronic classrooms, spaces for individual and group study, and a reading room.

Office of Information Technology

There are five general access student-computing laboratories on campus. Four of the laboratories are used as classrooms and the other is an open access facility. The hours for the open access computer laboratories are 8:00 a.m. to 10:00 p.m. Monday through Thursday, 8:00 a.m. to 5:00 p.m. Friday, 1:00 p.m. to 5:00 p.m. Saturday, and 1:00 p.m. to 9:00 p.m. on Sunday. The large open access laboratory has both Apple Macintosh and Microsoft Windows-based computers. It is staffed with student assistants during the times it is available for use. These assistants help users with basic questions on Microsoft Office, campus e-mail, and the Internet. Professional IT staff is available 8:00 a.m. to 5:00 p.m. Monday through Friday for more complex issues.

Instructional Technology Services provides centralized equipment and support designed to enrich classroom instruction. Staff is available to work with faculty to integrate multimedia technologies into classroom activities. Media equipment is available in classrooms and a multimedia lab is staffed for faculty use.

Distance Learning operates five classrooms on the Turlock campus and two classrooms on the Stockton campus that are equipped to exchange televised instruction among classrooms in Turlock, Stockton, Sonora, Merced, and some other CSU campuses. Staff is available to assist faculty with televised instruction and also with designing and delivering instruction via the Internet.

Public Safety

Public Safety/University Police, (209) 667-3114, employs trained, full-time peace officers and support staff for the 24-hour protection of the campus, its students, staff, and faculty. 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, residence and personal property protection, and general personal safety. In addition to its law enforcement duties, such as traffic and parking enforcement, Public Safety also provides public services including an after-hours campus shuttle service, the locking and unlocking of buildings and rooms, motorist assistance including battery jumps and vehicle unlocks, and the administration of the lost and found property program.

Public Safety is located in the Campus Services Building.

Securitas Security provides security and an escort service at CSU Stanislaus - Stockton. Securitas Security may be contacted at (209) 993-3469 or by using the Blue Light phones located at the Stockton Center. In an **emergency**, please **dial 911**.

In an **emergency** or to report an incident, use the emergency Blue Light phones located on campus, or **dial 911** if using a campus phone line or a public telephone. The business phone number is (209) 667-3114 for the Turlock Public Safety Office.

Campus Crime Statistics

CSU Stanislaus' 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 concerning campus security such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. A copy of this report may be obtained on the Internet at www.bf.csustan.edu/dps. To request a printed copy from the university Police Department, call (209) 667-3035, or fax (209) 667-3104, or email Public_Safety@csustan.edu.

University Student Union Facility Reservations

All University Student Union facility reservations can be made in person at the Reservations Office located on the second floor of the University Student Union Building or by contacting the Union Office Administrator at (209) 667-3828. There are three conference rooms available for reservation by students and campus community at no charge. In addition, the Event Center is available for rent by students, faculty, staff, and the outside community.

Other Campus Facilities Reservations

A Facility/Event reservation must be submitted by all on-campus groups for any use of indoor or outdoor facilities on campus. A facility's availability may be determined by visiting the university's online Calendar of Events. Available locations may be identified by location or by date and reservation requests are also submitted via the online Facility Request Form. The Calendar of Events is available at the CSU Stanislaus web page and assistance with the online calendar or the facility request form is available by calling 667-3419.

Intercollegiate Athletics

The University participates in 14 intercollegiate sports at the NCAA Division II level, and is a member of the California Collegiate Athletic Association. Seven men's sports are sponsored — men's indoor track and field, basketball, baseball, golf, soccer, cross country, and track and field. The seven women's sports are basketball, softball, volleyball, cross country, soccer, indoor track and field, and outdoor track and field.

Members of the CCAA include Chico State, Sonoma State, San Francisco State, UC Davis, CSU Bakersfield, CSU San Bernardino, CSU Dominguez Hills, Cal State Los Angeles, Cal Poly Pomona, UC San Diego, and Grand Canyon University.

The Warriors have competed at the NCAA Division III level for 14 years beginning in 1975-76, produced 12 national golf championships, and two national baseball championships, plus have had nine more top-4 team finishes.

Throughout the years nearly 200 Warrior athletes have been accorded All-America honors and numerous team and individual awards in league competition.

In addition to sponsoring athletics, Intercollegiate Athletics also works closely with Associated Students to sponsor a comprehensive recreation and intramural program. The Fitness Center is second to none and is open to all CSU Stanislaus students, faculty, and staff.

California State University, Stanislaus - Stockton

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

Dean: Cynthia L. Morgan

Director of Academic Services: Dave Hamlett

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

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

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

CSU Stanislaus-Stockton

CSU Stanislaus-Stockton is a branch campus of California State University, Stanislaus located at University Park in Stockton, California. The Stockton Center offers upper-division and graduate courses 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, student lounge, exercise room, game room, health services, bookstore, several beautifully landscaped courtyards for informal student and faculty gatherings, and an assortment of student services. The Stockton Center offers programs and courses at flexible hours. Working with other institutions, CSU Stanislaus-Stockton 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, productive relationships with other institutions and organizations have been developed. These relationships continue to enhance and enrich the programs offered at the Stockton Center.

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

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

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

Applications and Information: CSU Stanislaus-Stockton provides selected student services including admissions information, academic advising, financial aid, graduation evaluations, career planning, teaching credential analysis, cashiering, WPST Testing, and writing and chemistry tutoring.

Degree programs offered at CSU Stanislaus-Stockton:

Bachelor of Arts

- Child Development
- Criminal Justice
- History
- Liberal Studies concentrations in:
 - Child Development
 - Communication Studies
 - History
 Liberal Studies offers selected courses in Stockton. Students should consult with their academic advisor regarding course offerings in Stockton.
- Communication Studies
- Psychology
 - Concentration in Developmental Psychology
- Social Sciences (selected concentrations)
- Communicative Disorders
(offered by CSU Fresno in partnership with CSU Stanislaus)

Bachelor of Science

- Nursing (RN to BSN)

Master's Degrees

- Education (MA)
 - Administration and Supervision
 - Elementary Education

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



University Extended Education

Office: Mary Stuart Rogers Educational Services Gateway Building, Room 240
(209) 667-3111

Director: Jill Tiemann-Gonzalez

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 please contact the office at (209) 667-3111 or visit our Web site at www.ExtendedEd.com.

Technology Training: University Extended Education opened the Learning & 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 now have a 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.

Our goal is to provide the most comprehensive training and testing center for the Central Valley in the latest software programs. Our programs include:

- Microsoft Office Specialist training and certification for Office XP
- Web Design and Layout programs using Macromedia Studio MX
- Desktop Design and Publishing with Adobe-based software

Open University: This program opens the doors to university classes for those students who are not formally admitted and enrolled in the University. The Open University program serves as many things: an invitation for those trying 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 in a term. If a student wishes to have credit applied towards a degree, a maximum of twenty-four units is allowable for a baccalaureate degree.

Certificate Programs: UEE offers intensive, one to two semester certificate programs that provide students 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 website for a current schedule.

Personal Development: UEE also provides opportunities for students to participate in courses focused on personal development, including recreational and culinary classes. 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 not provided by contract courses, UEE offers a variety of options. Test preparation classes are provided for those looking to enter the teaching field. For those currently teaching and needing extension credits, UEE offer computer-based teacher education, which covers pertinent topics, and award credit. UEE also provides workshops periodically throughout the year for substitute teachers.

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.

Undergraduate Admission to the University

Admission as an Undergraduate Transfer	28
Admission Procedures and Policies	26
Adult Students.....	28
CANS Qualified Courses	37
Cooperative Education.....	36
CSU Visitors Program.....	28
International Student Admission Requirements.....	28
Preprofessional Programs	35
Senior Scholars Program.....	28
System-Wide Test Requirements (EPT/ELM).....	30
Undergraduate Admission Requirements	26
Veterans.....	34

The Enrollment Services team of the University serves prospective and enrolled students, providing outreach services to high schools and community colleges, pre-admission advising, and assistance with credit transfer and registration for courses. Students will greatly ease their matriculation by studying this catalog and the Schedule of Classes.

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

The University offers a pledge to students that a bachelor's degree can be completed in four years. Refer to the Undergraduate Degrees and Programs section of the catalog for qualifying information.



CSU Priority Application Filing Periods

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

Application Filing Period Duration

Each CSU campus accepts applications until capacities are reached. Many campuses limit admission in an enrollment category because of overall enrollment limits.

Admission Procedures and Policies

Requirements for admission to California State University, Stanislaus are in accordance with Title 5, Chapter 1, Subchapter 3, of the *California Code of Regulations*. Students who are unsure of these requirements should consult a high school or community college counselor, or the Enrollment Services Office.

Applicants to the CSU are encouraged to apply on-line at www.csumentor.edu. A paper version of the application may be downloaded at <http://csustan.edu/Mainpage/Dir/Forms-Publications/index.html>. A limited number of copies are distributed to area high schools and community colleges. See your high school counselor or community college career center to obtain a copy of the application for admission. An application will be mailed to you if you call (209) 667-3070.

Admission and Readmission Requirements

Most non-enrolled students who wish to register must first be admitted or readmitted to CSU Stanislaus. A former CSU Stanislaus undergraduate student wanting to re-enroll at the University may register for courses without filing an application for readmission if **both** of the following apply: (1) the student was enrolled for residence credit course work after the Enrollment Census Date for any semester or term in the 12 months immediately preceding the start of the 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. Students at CSU Stanislaus who fail to graduate in the term for which they apply for graduation must reapply for graduation for the term in which they will complete their requirements in order to continue their enrollment at CSU Stanislaus.

All other former students seeking enrollment must submit an application for readmission and pay a \$55 Application Fee. 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.

Applicants and re-applicants who file an admission application during a "Late Application" filing period will be assessed a \$15 Late Admission Application Fee in addition to the \$55 Application Fee.

Importance of Filing Complete, Accurate, and Authentic Application for Admission Documents

Prospective students are advised that they must supply complete and accurate information on the application for admission, residence questionnaire, and financial aid forms. Applicants 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*).

Undergraduate Application and Fee Procedures

Prospective students applying for part-time or full-time undergraduate programs of study in day or evening classes must file a complete undergraduate application available on-line at www.csumentor.edu. The \$55 nonrefundable Application Fee can be in the form of a check or money order payable to "The California State University" or paid by credit card.

The application and fee may not be transferred or used to apply for another term. An alternate campus and major may be indicated 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.

Application Acknowledgment

Applicants applying on-line receive an automatic confirmation when the application is submitted. Applicants applying with a paper application may expect to receive an acknowledgment of receipt within two to four weeks after sending the application.

This notification that space has been reserved may also include a request to submit additional records necessary for the campus to evaluate academic qualifications. A priority filing period applicant may be assured admission to the University if the evaluation of academic records indicate completion of all admission requirements. This admission notice is not transferable to another term or to another campus.

Impacted Programs

The CSU designates programs to be impacted when more applications are received in the priority filing period than can be accommodated. Some programs are impacted at every campus where they are offered; others are impacted only at some campuses. Applicants must meet supplementary admissions criteria if applying to an impacted program.

With the opening of the fall filing period, the CSU will announce those programs that are impacted and the supplementary criteria the campuses will use. That announcement will be published in the "CSU Review," which is distributed to high school and college counselors and is available on the Internet at <http://www.calstate.edu/ar/csureview/> or www.csumentor.edu.

Information about the supplementary criteria is also sent to program applicants.

An application for admission to an impacted program must be filed during the priority filing period. To be considered for impacted programs at more than one campus, a student must file an application to each campus.

Supplementary Admission Criteria for CSU Undergraduate Impacted Programs

Each CSU campus with impacted programs uses supplementary admission criteria in screening applicants. Supplementary criteria may include ranking on the freshmen eligibility index, the overall transfer grade point average, completion of specified prerequisite courses, and a combination of campus-developed criteria. If scores on either the SAT I or the ACT are a requirement, the test should be taken as early as possible and no later than October of the preceding year if applying for fall admission.

The supplementary admission criteria used by the individual campuses to screen applicants appear periodically in the CSU Review and are sent by the campuses to all applicants seeking admission to an impacted program.

Unlike unaccommodated applicants to locally impacted programs who may be redirected to another campus in the same major, unaccommodated applicants to systemwide impacted programs may not be redirected in the same major, but may choose an alternative major either at the first choice campus or another campus.

Residency Determination for Admission and Fee Purposes

Refer to Appendix C for a detailed explanation.

Undergraduate Admission Requirements

Test Requirements

Freshman and transfer applicants who have 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 A for appropriate 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, from www.csustan.edu/counseling/testing, or from:

The College Board Headquarters
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/counseling/testing.

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.") 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 and the score on either the ACT or the SAT of the College Board. The grade point average is based on grades earned in approved college preparatory courses taken during the tenth, eleventh, and twelfth grades of high school. The CSU may offer early, provisional admission based on course work completed through the junior year of high school and course work planned for the senior year.

The index can be calculated by multiplying the grade point average by 800 and adding the total score on the SAT. Or multiply the grade point average by 200 and add ten times the ACT composite score. 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 Tables (see Appendix A) illustrate 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.

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 in approved subjects taken in the 11th and 12th grades, including up to two 11th grade International Baccalaureate, Advanced Placement, or honors courses with 11th or 12th grade course content in 10th grade, receive additional points in grade point average calculations. Each unit of A in approved courses will receive a total of 5 points; B, 4 points; C, 3 points; D, 1 point; and none for F grades.

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 approved alternative electives.

Subject Requirement Substitution for Students with Disabilities

Applicants with disabilities are encouraged to complete college preparatory course requirements if at all possible. If they are judged unable to fulfill a specific course requirement because of a disability, alternate college preparatory courses may be substituted 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 at your nearest CSU campus. (Also refer to Appendixes K and L.)

Foreign Language Subject Requirement

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 for further information.

High School Advanced Placement Program

The CSU Stanislaus Advanced Placement Program is intended to supplement the curriculum available to qualified high school students by opening university courses to them, providing these students a gradual transition to higher education. The program allows qualified students to enroll in any lower-division course on a space-available basis, providing all course prerequisites are satisfied. *See the appropriate section of the catalog regarding prerequisites for courses.* Regular college credit will be awarded. Submission of a special application form each term is a prerequisite 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.

Provisional Admission

CSU Stanislaus may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and the program planned for the senior year. The campus will monitor the senior year of study to ensure that those so admitted complete their senior year of studies satisfactorily, including the required college preparatory subjects and graduation from high school.

Honors at Entrance

Honors at Entrance is awarded to an admitted undergraduate student whose past record indicates promise of superior academic achievement at CSU Stanislaus. This award ranks equal to or greater than that of scholarships granted by the University and establishes an academic status equivalent to that of qualifying for the University's list of honor students.

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. See the University Honors Program section for more details about the program or contact the Honors Department office (209) 667-3180. Additional information is available at <http://honors.csustan.edu>.

Admission as an Undergraduate Transfer

A transfer student who has 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 and has been in continuous attendance in an accredited college since high school graduation; or
 - c. 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 in an accredited college since high school graduation.
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 course work 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. Undergraduate transfers over 25 years of age should refer to the “Adult Students” section of this catalog.

Adult Students

As an alternative to regular admission criteria, an applicant who is twenty-five 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 course work.

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.

Senior Scholar Program

Enrollment in the program is limited to academically qualified persons who are California residents and are 60 years of age or older. See above “Adult Students” section of this catalog. Those admitted to this program will register after regular students have registered for classes.

A fee waiver will be granted under this program 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.

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 Stanislaus also may apply for visitor status at another CSU campus. CSU Visitor Status and CSU Concurrent Enrollment application forms are available on request from the CSU Stanislaus Enrollment Services Office and must be completed and filed during the regular application filing period. Visitor enrollment will be considered for students currently matriculated at other baccalaureate degree-granting colleges.

International Student Admission Requirements

The CSU must assess the academic preparation of students from other countries. For this purpose, international students include immigrants and those who hold U.S. visas as students, exchange visitors, or other non-immigrant classifications.

The CSU uses separate requirements and application filing dates in the admission of international students. Verification of English proficiency (See the section on TOEFL requirement for undergraduate applicants below), financial resources, and academic performance are all important considerations. 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.

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 U.S. Immigration and Customs Enforcement (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.

The International Student Office and Enrollment Services are available to answer students’ questions and address their concerns. If they need assistance, students should call the Enrollment Services Office at (209) 667-3152 or the Office of International Student Services at (209) 667-3158.

Test of English as a Foreign Language (TOEFL) Requirement (Undergraduate)

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 present a score of 500 or above on the standard Test of English as a Foreign Language. CSU Stanislaus requires TOEFL part scores of at least 50. Applicants taking the Computer-Based Test of English as a Foreign Language must present a score of 173 or above with part scores of at least 17. Applicants may take the iBT, internet-based Test of English as a Foreign Language (beginning September 24, 2005 in the USA). On the iBT a minimum score of 61 or higher and part scores of at least 15 are required.

The English Language Proficiency Test (ELPT) will substitute for the Test of English as a Foreign Language (TOEFL) for admission purposes for undergraduate applicants. The required minimum score to be considered comparable to a TOEFL score of 500 would be an ELPT score of 955.

The International English Language Testing System (IELTS) will also substitute for the Test of English as a Foreign Language (TOEFL) for admission purposes for undergraduate applicants. The required Minimum score is 6.0 with part scores of 6.0.

At CSU Stanislaus, TOEFL exemptions are approved for undergraduates with the minimum scores of 3 on the Advanced Placement International English Language (APIEL) test.

When English language school enrollment in the United States is planned prior to arrival at CSU Stanislaus, an academically qualified international student may request the Enrollment Services Office to issue a conditional admission letter and/or Form I-20 for a future term. Regular admission is possible only after submission of satisfactory TOEFL scores and/or satisfactory completion of an approved advanced English language program.

Other Undergraduate TOEFL Requirement Exemptions:

Exemptions from the TOEFL also are given to those undergraduate admission applicants who present proof of one of the following:

1. An ACT English score of 24 or higher; or
2. A SAT Verbal score of 550 or higher; or
3. An EPT of 151 or higher; or
4. Completion and transfer of a course that satisfies the CSU General Education-Breadth or Intersegmental General Education Transfer Curriculum (IGETC) written communication requirement, provided such course was completed with a grade C or better.

Insurance Requirement for International Student

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. Further information may be obtained from the Office of International Student Services at (209) 667-3158.

Ineligible Undergraduates

Undergraduates not admissible under one of the above provisions should enroll in a two-year college or other appropriate institution, or consult the CSU Stanislaus Enrollment Services Office for advice regarding their situation. Only under the most unusual circumstances will such applicants be admitted to the University. Permission is granted only by special action and the number of exceptions is limited by law.

Hardship Petitions

The campus has established procedures for consideration of applicants who would be faced with severe hardship if not admitted. Petitioners should write the Associate Director of Admissions regarding hardship admission.

Health Screening

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment. 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 one from contracting the disease and whether or not he or she has chosen to receive the vaccination. These are not admission requirements, but shall be required of students as conditions of enrollment in CSU Stanislaus.

Immunization Requirements

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 measles and rubella immunization (or immunity) shall also be required for certain groups of enrolled students **regardless of age** who have increased exposure to these diseases. These groups include: those residing in campus residence halls, students whose primary and secondary schooling was obtained outside the United States, and students who are enrolled in any practicum, student teaching, or field work involving pre-school age children, or taking place in a hospital or health care setting.

Hepatitis B

All new enrollees **18 years of age 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.

Note: Proof of either of the above requirements must be submitted to the Student Health Center in the Health Center Building. Call (209) 667-3396 for more information or clarification. Failure to provide this proof during the first semester of enrollment may result in the placement of a HOLD on one's records, thereby preventing registration for classes for the following semester.

Postbaccalaureate or Graduate Student Admission

See the "Graduate School" section of this catalog.

CSU Systemwide Test Requirements: English Placement Test (EPT) and Entry Level Mathematics (ELM)

The CSU requires new students to be tested in English and mathematics as soon as possible after admission to the University and prior to attending a New Student Orientation. These are not admission tests, but a way to determine whether a student is prepared for specific college course work 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/counseling.

Systemwide Tests Required of Most New Students

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.

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 English Department, L195 or the First-Year Programs and Advising Office, MSR 170, (209) 667-3304.

Purpose of the EPT

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. Failure to satisfy this testing requirement before the **first** semester of enrollment will result in a registration hold. (See registration instructions section of the *Schedule of Classes*.) Registration for General Education ENGL 1001 Freshman Composition is permitted only if the EPT score is at least 149, 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 149, 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.

Exemption from the EPT 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 1, 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.

**Note: The College Board SAT and Achievement Tests were replaced by SAT I and SAT II, respectively, beginning March 1994. Beginning April 1, 1995, the SAT I and SAT II exams are scored on a new scale.

***Note: Beginning in May 1998, SAT II: Writing Test scores were increased about 10 to 20 points. The adjustment was made to make Writing Test scores more comparable to scores on other SAT II subject tests. Although scores are higher, their relative rank compared to scores for tests taken before May 1998 remain the same.

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
0-141 and first term freshmen	ENGL 0100 ILE Intensive Learning Experience
0-141 and other than first term freshmen	ENGL 0111 Writers' Workshop
142-148 149-150	ENGL 0111 Writers' Workshop ENGL 1001/1002 First-Year Composition (with conditions)
151 and above	ENGL 1001/1002 First-Year Composition (no conditions)

Note: ENGL 1001/1002 enrollment may be subject to Writing Center requirements. Students with scores 149 or 150 are admitted conditionally to ENGL 1001/1002 and must agree to use the CSU Stanislaus Writing Center as their instructor directs.

EPT Requirements Summary

All non-exempt admitted undergraduates must take the English Placement Test (EPT) prior to their first term of enrollment, or, if a freshman, prior to attending the mandatory New Student Orientation. To satisfy the EPT requirement, a student must take the EPT; **and either**

1. Pass the EPT by scoring at least 149; or
2. Be remediated at CSU Stanislaus; or
3. Pass the highest level remedial English course at a community college after taking the EPT; or
4. Pass with a C- grade or better a course elsewhere that satisfies the General Education Breadth requirement in written communication.

The EPT cannot be repeated for a higher score.

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 course work.

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 Appendix K of this catalog for the Learning Disabled Student General Education Breadth Requirement waiver policy

Exemption from the ELM requires proof of one of the following:

1. A score of "Exempt" on the augmented mathematics CST, i.e., the CSU Early Assessment Program (EAP), taken in grade 11; **or**
2. A score of 3 or above on the College Board Advanced Placement mathematics examination (Calculus AB or BC); **or**
3. A score of 3 or above on the College Board Advanced Placement statistics examination; **or**
4. A score of 550 or above on the mathematics section of the College Board SAT I: Mathematics Test; or on the College Board SAT II Mathematics Test, Level IC, 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

0-32

ELM Placement

Enroll in MATH 0103, Pre-Algebra, or retake and pass the ELM

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

33-48

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

ELM Requirements Summary

All non-exempt admitted undergraduates must take the Entry Level Mathematics (ELM) Examination prior to their first term of enrollment, or, if a freshman, prior to attending the New Student Orientation or registering for any courses at CSU Stanislaus. To satisfy the ELM requirement, a student must take the ELM; **and either**

1. Pass the ELM by scoring at least 50; **or**
2. Be remediated at CSU Stanislaus through MATH 0106 or 0110; **or**
3. Pass with a C- grade or better a math course elsewhere that satisfies the General Education-Breadth requirement in quantitative reasoning. The ELM can be repeated for a higher score.

Intensive Learning Experience (ILE) Program

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 (12-15 students). Tutoring services are provided at no cost to the student in both mathematics and English. Students in the program also receive extra personal attention in order to enhance the possibility for a successful beginning to their University career. For more information, contact the ILE Director, (209) 667-3361.

English as a Second Language (ESL)

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

Graduation Requirement in Writing Proficiency

All students must demonstrate competency in writing skills as a requirement for graduation. (See "Upper Division Writing Proficiency" under "Undergraduate Degrees and Programs.") For further information, contact the WPST Office, (209) 667-3069.

Transcripts Required

Undergraduate applicants must request official transcripts from (1) the last high school they 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 they are presented 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.

No determination of admission eligibility will be made until all required transcripts have been 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.

Applicants with Courses in Progress

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.

Returning Students

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

Extended Education Course Registrants

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.

Evaluation and Acceptance of 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" under "General Requirements for a Degree.")

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.

Advanced Placement, International Baccalaureate, Credit by Examination, and Challenge Examinations
CSU Stanislaus grants credit to those students who pass examinations that have been approved for credit system wide. These include Advanced Placement Examinations, International Baccalaureate Examinations, and College Level Examination Program (CLEP) examinations. Credit limitations are indicated below:

Advanced Placement Examinations	No maximum unit limitation
International Baccalaureate Examinations	No maximum unit limitation
DANTES Courses	24-unit maximum
CLEP Examinations	30-unit maximum

Advanced Placement

CSU Stanislaus grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of three or better will be granted 3-8 semester units per examination (4-12 quarter units) of college credit. See Appendix M "College Board Advanced Placement Examination Policy."

College Level Examination Program

Unit credit may be allowed for completion of College Level Examination Program (CLEP) Examinations. See Appendix N 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 making application 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 1-800-300-7420.

Challenge Examinations

Students may challenge courses by taking examinations developed at the campus. Credit shall be awarded to those who successfully pass challenge examinations.

Contact the Enrollment Services Office at (209) 667-3264 for current credit-by-examination information. See the "Policies and Procedures" section of this catalog for additional information on challenge examinations.

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 "Undergraduate 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 up to 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 to the University 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.

Credit allowed for such instruction will be designated as provisional. Regular credit may be granted upon advisor recommendation, departmental endorsement, and completion of 24 semester units at CSU Stanislaus with a 2.0 (C) grade point average or better.

Course Work Completed Ten Years Before Enrollment

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

Credit for 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.

Credit for Technology-mediated 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.

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.

Selective Service Registration

The federal Military Selective Service Act (the “Act”) requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth 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 in order 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, in the Enrollment Services 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 www.sss.gov.

Veterans

Veterans who desire to have their military records evaluated for possible credit toward a baccalaureate degree 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) with their admission application. Prompt submission of these records are **required** if Veterans educational benefits are being requested.

Veterans Services

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.

Credit for Military Service

Veterans, who have applied for admission to the university, and desire to have their military records evaluated for possible 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”)

Preparation for Preprofessional Studies

The plan of undergraduate study of CSU Stanislaus emphasizes a liberal education in preparing for professional or vocational specialization. Students preparing for a professional specialization have opportunities to do so by selecting, in consultation with an appropriate preprofessional advisor, the kind of curriculum that best meets the requirements set by the profession they wish to enter.

Pre-Health Professional Program

Undergraduate Major and Postbaccalaureate

Pre-health Professions Advisor: Dr. Flora Watson

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 must 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 advisor, design a program of study.

Experience

It is very important for students to have special health-related experience in addition to their course work. 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 in the admissions process to some of the health professions. Consult your major advisor and a member of the Pre-health Professions Committee.

Recommended General Education, Core Curriculum, and Additional Electives

General Education

Commonly required courses include:

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

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), 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. In most professional schools, it is required that all the prerequisite courses be completed by June of the year of intended enrollment.

Pre-health Professions Committee

California State University, Stanislaus has a Pre-health Professions Committee which 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.

Preprofessional Law Program

Applicants for admission to most law schools are expected to have a B.A. or B.S. degree and to have taken the Law School Admission Test. No single “prelaw” major is required, or in most instances recommended, since the successful study of law is more often related to the ability to grasp and solve difficult analytical problems and to employ disciplined work habits than the mastery of any particular field of study.

Several broad objectives of prelegal education are set forth by the Association of American Law Schools. These include the oral and written command of language; an understanding and appreciation of social, political, and economic values, institutions, problems, and frames of reference; and an ability for creative, innovative, critical, and analytical thinking.

Since no one major is mandatory, the student should select one which emphasizes the areas mentioned above. English, economics, history, philosophy, political science, sociology, and social sciences are particularly appropriate majors. In addition, the student should consult with the prelaw advisor in the Politics and Public Administration Department.

For additional information, see the bulletins or catalogs of various law schools or the *Official Guide to U. S. Law Schools*, current edition, prepared by the Law School Admission Council and the Association of American Law Schools. This handbook may be obtained at most university bookstores or ordered from Law Services, Newtown, PA 08541. Also, consult advisor Stephen R. Routh, (209) 667-3363.

Preengineering Joint University Program

California State University, Stanislaus and the University of the Pacific offer a unique joint program for students seeking a career in engineering.

It is possible to earn a bachelor’s degree at CSU Stanislaus in Computer Science, Mathematics, or Physics by attending CSU Stanislaus for three years and transferring to UOP for a fourth year to earn the bachelor’s degree at CSU Stanislaus, then continue at UOP for an additional two years to earn a second bachelor’s degree in engineering. For additional information on this innovative program, consult the Physics department at CSU Stanislaus (209) 667-3466, or the Admissions Director at the University of the Pacific (209) 946-2211 or 1-800-959-2UOP.

Cooperative Education Program

Cooperative Education at California State University, Stanislaus 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. Students should contact their academic advisors for additional information.

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 principle 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 student resources available to encourage active learning both in the classroom and the community. Please call (209) 667-3311 for additional information.

Registration and Enrollment in Courses

Registration is the final step in the matriculation process. The *Schedule of Classes* which lists courses being offered is available before the academic advising period for each term. Once admitted to CSU Stanislaus, an undergraduate student **must** participate in a New Student Orientation and be advised to receive guidance on course selection. The student may schedule an appointment with the major department to meet with an academic adviser. For a more comprehensive introduction to the University, students must attend a New Student Orientation. Contact First-Year Programs and Advising at (209) 667-3304 for additional information. Certain graduate programs may require that a student receive advisement prior to registration.

Web Registration

Students may register, add or drop courses, or withdraw from the University via the Web Registration System. The Web Registration System is the only way to register for classes during the Priority Registration Appointment Period. After the end of the Priority Registration period 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” available online at: http://banner7.csustan.edu:2095/pls/prod60/CSUS_SCHEDULE.P_Index or obtain a current *Schedule of Classes* from Kiva Bookstore or the Enrollment Services Office located in the Mary Stuart Rogers Building, Room 120. **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 timely dropping unwanted courses through the Enrollment Services Office.** (Refer to the section on “Instructor Withdrawal.”)

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. Example: CAN ECON 2 on one campus will be acceptable for CAN ECON 2 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) 667-3680, for lists of participating campuses and courses.

At present, the following are CSU Stanislaus qualifying courses:

CAN COURSECSU STANISLAUS COURSE

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 COURSECSU STANISLAUS COURSE

CAN GEOG 2	GEOG 2010
CAN GEOG 4	GEOG 2020
CAN GEOL 2	GEOL 2100 & 2102
CAN GEOL 4	GEOL 2200
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

Student Affairs

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	40
Career Services Center.....	38
Counseling Services.....	39
Disability Resource Services	40
Educational Opportunity Program	40
Faculty Mentor Program	40
First-Year Programs and Advising	38
Health Services	40
Housing	41
Information Center.....	41
Orientation Program.....	38
Reentry/Senior Scholar Programs.....	38
Student Activities.....	41
Student Support Services (TRIO Program)	40
Summer Bridge Program	40
Testing Services	38
University Student Union	41

First-Year Programs and Advising

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

To obtain a faculty adviser, visit or call your major department. If you have not declared a major, you will receive advisement from the First-Year Programs and Advising Office. If you are uncertain about your choice of major or vocational goals, seek assistance from your faculty adviser, the Counseling Department, or Career Services.

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

Four Year Degree Pledge. The University offers a pledge to students that a bachelor's degree can be completed in four years. Refer to the Undergraduate Degrees and Programs section of the catalog for qualifying information or ask about it in the First-Year Programs and Advising Office.

Orientation Programs

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

All new students should attend a New Student Orientation in order 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 First-Year Programs and Advising Office for more information.

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.

Testing Services

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

Information is available at the First-Year Programs and Advising Office 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 First-Year Programs and Advising suite. For more information, visit the Testing Services website at <http://www.csustan.edu/counseling/testing>.



Registration forms and information about the WPST may be obtained at the First-Year Programs and Advising Office. 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 Undergraduate Degrees and Programs section of this catalog. For more information visit the WPST website at <http://www.csustan.edu/counseling/WPST>.

Stockton Student Services

Acacia 1034, (209) 467-5300

Many of the same services as those listed above are provided through the CSU Stanislaus site in Stockton.

Career Services Center

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

Web site: www.csustan.edu/career/index.htm

The Career Services Center assists students in the process of identifying, developing, implementing, and evaluating career plans, in preparation 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 members develop relationships with a diverse group of employers and organizations to obtain occupational information and opportunities for students that will guide their career development process.

Career Counseling

Trained professionals help students identify career interests, develop career strategies and job search skills, and prepare for employment interviews. Counselors are available to assist with a wide range of career topics, including mock interviews, which are popular with students who want individual coaching before they meet with employers. Students may call or visit the Career Services Center for an appointment. Drop-in hours to speak with a career counselor are also available.

Website

Extensive links and resources are available at the Career Services Center website: www.csustan.edu/career/index.htm, including workshop schedules, upcoming events and important dates to remember, employer schedules for recruiting on-campus, salary and job links, information about programs and services, alumni services, a self-guided computerized interest and value assessment program, and job search information.

Career Resource Library

The library contains a wide assortment of occupational literature, corporate information, books, videos, periodicals, graduate school material, current professional-level job announcements, and salary surveys. Announcements are also posted for volunteer and internship opportunities, as well as part-time, off-campus jobs.

On-Campus Interviews with Employers

Twice a year, during the fall and spring semesters, employers from business, industry, and government visit our campus to recruit seniors and recent alumni for full-time, professional-level employment. InterviewTrak is the web-based on-campus interview system, powered by MonsterTRAK, the job listing and resume database for college students and alumni. Students must register on MonsterTRAK, attend a brief orientation in the Career Services Center that will instruct them in the interview preparation process, and download their resume to their online profile. Students are then able to sign-up for on-campus interviews with employers directly online. Meeting rooms are available at the Career Services Center for recruiters to conduct these important interviews on campus.

Student Employment Service

The Student Employment Service (SES) refers currently-enrolled students to part-time and temporary employment on campus. Students may review job openings at the Career Services Center and apply directly with the department or office where the position is available.

Campus departments are able to utilize this service online to download student employment forms and post job opportunities.

Computer Room

Computer workstations with website access are provided in a designated area of the Career Services Center, which enable students to conduct online job and salary research as part of their career planning strategy.

Career Fair

During the spring semester, representatives from companies, school districts, and public agencies visit the campus to provide information to students and the public about full-time, professional-level employment. The event is held in the CSU Stanislaus Quad Area from 10:00 a.m. until 1:00 p.m. Please inquire at the Career Services Center for the exact date, or visit the website for additional information. This is a great way for students to obtain information about employers and jobs in their field of study from a number of recruiters, all in one day on campus!

Summer Employment Guide

Those attending the Career Fair can also pick up the Summer Employment guide published by Career Services. The Summer Employment Guide lists job opportunities available with employers seeking temporary or part-time help before the academic year starts in the fall.

Job Announcements

Current career employment opportunities are organized in binders and kept in the Career Resource Library. The binders are updated on a daily basis and provide students with information from a wide variety of employers, including city, state, and local agencies. These jobs are full-time, professional-level vacancies requiring a college degree. Students are invited to check the binders on a regular basis in their search for a job.

Workshops

During the fall and spring semesters, counselors conduct workshops to help students develop skills that will assist them in getting their first job and throughout their professional career. Topics include "Job Search Strategies," "Resume and Cover Letter Writing," "Transitioning from

College to Job," "Effective Interviewing," "Choosing A Major," and "Professional Business Etiquette." Workshop dates and locations are posted on the Career Services website and at the Career Services Center. Space is limited and students are encouraged to sign-up early.

Career workshops are also available on video tape and may be borrowed overnight through the Career Services Center, at the Circulation Desk at the campus Vasche Library, or at the Administration Building at CSU Stanislaus-Stockton.

Alumni Services

The Career Services Center provides services for CSU Stanislaus alumni. Eligibility is determined by the amount of time since graduation, defined as those who graduated fewer than 3 years ago. There is no fee for these services. Alumni can search the MonsterTRAK system for job listings, attend the annual Career Fair, access the Career Services website information and workshop handouts, use the Resource Library and facilities, and review our referral list of fee-for-service career counselors and consultants. Alumni can also schedule up to three one-hour appointments with our professional staff members per academic year. During these appointments alumni can obtain career information, plan a job search strategy, practice interview techniques, receive help with their resume, or address other career-related concerns. Alumni can call the Career Services Center to schedule an appointment. Counseling appointments are scheduled based on staff availability, with priority given to currently enrolled students.

Faculty Support

The Career Services staff often visits classrooms during the academic year at the request of faculty to provide custom-designed presentations for students. Faculty also receive email newsletters about internship, volunteer, and employment opportunities for students in their field of study, which they can share with students in the classroom or post in the academic departments.

Stockton campus

Career Counseling sessions are scheduled each semester on the Stockton campus for students to have access to important information about career services and programs. A trained career counselor is available to talk with students on-site. Session schedules are posted online at the Career Services website, and at the Career Services Center on the Turlock campus. Students are encouraged to sign-up in advance if they are seeking individual counseling on the scheduled date, and can call the Career Services Center for more information.

Counseling Services

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

Web site: www.csustan.edu/counseling/

The goal of Counseling Services is to assist students in dealing with life's challenges. The counselors are licensed professionals. Confidentiality is a priority and students can be assured their privacy will be respected and maintained.

Individual Personal Counseling

One-on-one counseling with a trained professional counselor is provided. The counseling faculty are professionally trained and experienced in dealing with all aspects of personal and psychological counseling. Any type of problem or concern can be discussed in a confidential setting. Listed below are some common areas of concern presented by students:

- Stress management
- Assertiveness
- Blocks to communication
- Procrastination
- Career decisions
- Weight or eating problems
- Alcohol or drug abuse
- Social skills in meeting others
- Loss, separation, and divorce
- Sexuality
- Personal relationships
- Personal Growth
- Crisis

- Family relationships
- Cross-cultural issues
- Fear of failure or success
- Dealing with past or present trauma, i.e. child abuse and/or molestation, rape, etc.
- Substance Abuse

Couple Counseling

Counseling Services offers the opportunity to assess and work through problems or concerns with a spouse or partner.

Growth Presentations and Groups

One-time presentations, as well as multi-week presentations and groups on selected topics, are offered throughout the year. Some common topics include: Assertiveness training, stress inoculation, time management, self-esteem building, dealing with depression, women's support group, and dealing with difficult people. A brochure listing the topics for each term is available at the Counseling Office. Visit our Web site for dates and times.

Legal Referral

Referral for a time-limited consultation with a local attorney to discuss legal concerns is provided free of charge when referred by a counselor.

Eligibility for Services

Counseling services are available, free of charge, to the following:

1. Currently enrolled students at CSU Stanislaus.
2. On a limited basis, to staff and faculty at CSU Stanislaus.

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.

Stockton Student Services

Acacia Building 1034, (209) 467-5300

The same advising services that are listed above are available through the CSUS Stockton Center.

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.

Student Support Services (TRIO Program)

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

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. Visit the Web site at www.student.csustan.edu for additional information.

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 EOP Office. Successful completion of the program may be a condition of admission for some EOP students.

Faculty Mentor Program

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

The Faculty Mentor Program (FMP) provides students in higher education with their own personal faculty mentors, and with a year-long program of voluntary activities and workshops in a variety of cultural, social, and recreational environments designed to retain and graduate students.

The program promotes out-of-classroom contact between students and faculty, offers faculty training in mentoring, and presents opportunities for the building of relationships between faculty and students including the sharing of information and cultural experiences. The pairing of faculty and students establishes and fosters unique learning communities that promote a connection to the CSU Stanislaus campus.

Faculty mentors are an available advocate, resource, facilitator, and friend to students. A unique and comprehensive faculty training program provides faculty tools to promote faculty-student out-of-class interactions that have been shown to have a positive learning effect on all involved parties.

Student Life

Student Life

Mary Stuart Rogers Building 340, (209) 667-3144

The University offers co-curricular programs that enhance critical thinking, provide for personal and lifelong learning and growth, support opportunities for interaction between the campus and community, and foster educational growth through personal development. An enhanced quality of campus life is realized through such programs as health education, student government, leadership development, academic floors in housing, programming boards, clubs and organizations, and recreation/wellness programs.

Student Judicial Affairs

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

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. Additional information about CSU Student Discipline procedures can be obtained at the following Web site: <http://www.calstate.edu/EO/EO-628.pdf>.

Student Health Services

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

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

The nationally accredited Student Health Center offers a comprehensive range of primary care services and health education programs to all registered students. Totally funded by students through the mandatory health fee, the Student Health Center offers:

- Convenient, accessible care
- Affordable, low-cost care
- Personalized care
- High patient satisfaction
- Privacy and confidentiality

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
- Immunizations and TB screening
- 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
- Health education and wellness programs
- On-site Laboratory and Pharmacy services
- Supplemental student health insurance
- A low-cost group policy to cover major accidents, illnesses or referrals to specialists for conditions not within the scope of health center personnel
- Provisions for family and dependent coverage
- Opportunities for student involvement
- Student Health Advisory Committee (SHAC)
- Peer Health Educators

For more information, visit the Web site at: <http://student.csustan.edu/healthcenter>

On-Campus Student Housing

Residential Life Village, (209) 667-3675

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 648 residents. Amenities include outdoor study areas, recreation room, laundry facility, computer lab, 2 swimming pools, covered bike storage, and a volleyball court.

Off-Campus Student Housing

Residential Life Village, (209) 667-3675

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. The office provides assistance with rental rates, and various area maps. Call (209) 667-3675 for information concerning housing on- or off-campus. Visit the Web site at www.csustan.edu/village.

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 Activities Center

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

The Student Activities Center is the home of the Associated Students Recreational Sports and Special Events, the Union Program Board, the Outdoor Adventure Program, the Office of Student Leadership and Development, and over eighty student clubs.

Come to the Student Activities Center to:

- Join or start a club
- Use the Student Book Exchange
- Obtain a Calendar of Events
- Join an intramural sports league
- Sign up for an Outdoor Adventure Trip
- Get information about the Student Leadership Program
- Volunteer for Homecoming, Warrior Day, or Club Faire
- Join the Union Program Board
- Find out about other opportunities for student involvement on campus

Associated Students, Inc.

University Student Union Building 202, (209) 667-3833
Stockton Student Senate, Acacia Hall, (209) 467-5428

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 office are held annually. The ASI fee provides various programs and services. For more information, visit the Web site at www.student.csustan.edu/asi or call: (209) 667-3833

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 and indoor adventure programs, comedy nights, and other special events throughout the year.

The University Student Union houses the Event Center, three conference rooms, the Game Room, Carol Burke Student Lounge, Study/Computer Lounge and the Information Center which is located directly across from the KIVA Bookstore entrance.

In the Game Room, students can play billiards, table tennis, foosball, air hockey and a variety of video games. The Game Room has recently been remodeled and offers three televisions for your viewing in a relaxed, contemporary setting. It is a great space for clubs and organizations to hold events.

Student clubs and organizations seeking to schedule and plan student events should go first to the Student Activities Center in the lobby of the Student Union where staff can assist them.

The University Student Union also houses the KIVA Bookstore, Student Activities Center, Associated Students and University Student Union Offices.

Intramural, Leisure, and Sports Activities/Wellness Program

(209) 667-3150

The Recreational Sports Program sponsored by Associated Students, Inc., offers to all student the opportunity to participate in intramural sports, activities, and organized events to include basketball, soccer, aerobics, swimming, volleyball, yoga, football, and softball. Also available for use in the physical education facilities are an open gym, weight room, and a pool.

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 KIVA Bookstore. The Information Center provides relevant information regarding various campus activities and events, and provides phone numbers for all faculty, staff and campus departments. The Information Center is staffed during the semester, Monday through Thursday, 8:00 a.m. - 10:00 p.m., and Fridays 8:00 a.m. - 5:00 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, and balloon bouquets.

Registration and Other Fees

Registration fees are payable at the time of registration in accordance with deadlines in the current schedule of classes. The following schedule reflects applicable fees and tuition at the time of publication of this catalog.

Fee Schedule

Fees are subject to change without notice
See the current Schedule of Classes for most recent fee schedule

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
Registration Fees:				
State University Fee > 6 Units-Undergraduate	1167.00	1147.00	226.00	1147.00
State University Fee <= 6 Units-Undergraduate	678.00	619.00	226.00	619.00
State University Fee > 6 Units-Teacher Credential	1353.00	1331.00	260.00	1331.00
State University Fee <= 6 Units-Teacher Credential	786.00	719.00	260.00	719.00
State University Fee > 6 Units-Graduate	1410.00	1413.00	276.00	1413.00
State University Fee <= 6 Units-Graduate	819.00	762.00	276.00	762.00
IRA-Instructionally Related Activity	0.00	21.00	5.00	21.00
Health Facility	0.00	2.50	1.00	2.50
Health Services	0.00	79.50	22.00	79.50
University Union	12.00	55.00	6.00	55.00
ASI-Associated Students	2.00	46.00	3.00	46.00
Athletics	0.00	32.50	0.00	32.50
Registration Fees - Subtotal > 6 Units-Undergraduate	1181.00	1383.50	263.00	1383.50
Registration Fees - Subtotal <= 6 Units-Undergraduate	692.00	855.50	263.00	855.50
Registration Fees - Subtotal > 6 Units-Teacher Credential	1367.00	1567.50	297.00	1567.50
Registration Fees - Subtotal <= 6 Units-Teacher Credential	800.00	955.50	297.00	955.50
Registration Fees - Subtotal > 6 Units-Graduate	1424.00	1649.50	313.00	1649.50
Registration Fees - Subtotal <= 6 Units-Graduate	833.00	998.50	313.00	998.50
Cross Enrollment Fee	10.00	10.00	10.00	10.00
Installment Payment Plan Fee-California Residents	33.00	33.00	33.00	33.00
Non-Resident Tuition				
Per Unit	339.00	339.00	339.00	339.00
Installment Payment Plan Charge, % of Amount Financed	7.00%	7.00%	7.00%	7.00%
Extended Education Courses	Varies by units enrolled	Varies	Varies	Varies
Missed Fee Payment Deadline	25.00	25.00	25.00	25.00
Late Registration (Non-Refundable)	25.00	25.00	25.00	25.00
Returned Check-First Occurrence	25.00	25.00	25.00	25.00
Returned Check-Subsequent Occurrence	35.00	35.00	35.00	35.00
Student ID Card New Students or Replacement	5.00	5.00	5.00	5.00
Parking (Optional) Autos	36.00	43.00	22.00	43.00
Parking (Optional) Motorcycles	9.00	10.75	5.50	10.75
Parking - Daily	2.00	2.00	2.00	2.00
Parking Decal Hanger	2.00	2.00	2.00	2.00
Parking (Replacement Decal)	10.00	10.00	10.00	10.00
Fingerprints	\$57.00-81.00	\$57.00-81.00	\$57.00-81.00	\$57.00-81.00
Livescan Fee	varies by site	varies by site	varies by site	varies by site
Vehicle Impound Release	40.00	40.00	40.00	40.00
State Key Replacement	25.00	25.00	25.00	25.00

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
Admission Application (Non-refundable)	55.00	55.00	55.00	55.00
University Catalog	10.00	10.00	10.00	10.00
Schedule of Classes (including sales tax)	2.00	2.00	2.00	2.00
Transcripts:				
First Copy	4.00	4.00	4.00	4.00
Additional Copies Requested at Same Time	2.00	2.00	2.00	2.00
Challenge Exam (per unit, maximum \$10)	3.00	3.00	3.00	3.00
Graduation Application	20.00	20.00	20.00	20.00
Reapplication for Graduation	10.00	10.00	10.00	10.00
Diploma	15.00	15.00	15.00	15.00
Late Admission Application (Non-refundable)	15.00	15.00	15.00	15.00
Withdrawal or Refund Fee	5.00	5.00	5.00	5.00
Petition of University Deadline/Requirement	10.00	10.00	10.00	10.00
Late Add (after deadline for adding course)	10.00	10.00	10.00	10.00
Priority Processing of Transcript Request	10.00	10.00	10.00	10.00
Priority Processing of Graduation Clearance	10.00	10.00	10.00	10.00
Certification of Enrollment/ or Degree	5.00	5.00	5.00	5.00
Document Replacement	5.00	5.00	5.00	5.00
Revised Credit Evaluation	10.00	10.00	10.00	10.00
Graduate Studies Academic Certificate Application	7.00	7.00	7.00	7.00
Course Fees*:				
Advanced Studies 4170-Educational Technology Foundations	15.00	15.00	15.00	15.00
Advanced Studies 4600-Technology in Instruction	15.00	15.00	15.00	15.00
Advanced Studies 4600-Technology in Instruction-Merced	30.00	30.00	30.00	30.00
Advanced Studies 4650-Technology Integration Practices-Merced	25.00	25.00	25.00	25.00
Advanced Studies 4730-Microcomputers, Curriculum & Instruction	10.00	10.00	10.00	10.00
Advanced Studies 5002-Human Resources in the Community	244.00	244.00	244.00	244.00
Advanced Studies 5003-Community College Resource Development	280.00	280.00	280.00	280.00
Advanced Studies 5004-Community College Finance	244.00	244.00	244.00	244.00
Advanced Studies 5005-Technology in the Community College	173.00	173.00	173.00	173.00
Advanced Studies 5006-Community College Students & Instructional Svcs	300.00	300.00	300.00	300.00
ART 1000 Introduction to Studio Art	10.00	10.00	10.00	10.00
ART 1010 Drawing I: Direct Observation	10.00	10.00	10.00	10.00
ART 1020 Drawing II: Composition	10.00	10.00	10.00	10.00
ART 1100 Visual Principles, Two Dimensional	10.00	10.00	10.00	10.00
ART 1200 Visual Principles, Three Dimensional	10.00	10.00	10.00	10.00
ART 1340 Introduction to Ceramics	10.00	10.00	10.00	10.00
ART 2010 Drawing the Human Figure from Observations	45.00	45.00	45.00	45.00
ART 3000 Painting: Color	10.00	10.00	10.00	10.00
ART 3010 Drawing the Human Figure from Memory	10.00	10.00	10.00	10.00
ART 3020 Drawing: Original Form	10.00	10.00	10.00	10.00
ART 3100 Relief Printmaking	10.00	10.00	10.00	10.00
ART 3110 Intaglio	10.00	10.00	10.00	10.00
ART 3120 Lithography	10.00	10.00	10.00	10.00
ART 3130 Serigraphy	10.00	10.00	10.00	10.00
ART 3142 Intaglio Color Printmaking	10.00	10.00	10.00	10.00
ART 3152 Mono-Printmaking	10.00	10.00	10.00	10.00
ART 3162 Color Lithography	10.00	10.00	10.00	10.00
ART 3200 Painting from Observation	10.00	10.00	10.00	10.00
ART 3210 Painting from Imagination	10.00	10.00	10.00	10.00
ART 3220 Painting: Original Form	10.00	10.00	10.00	10.00
ART 3230 Painting the Human Figure	45.00	45.00	45.00	45.00
ART 3300 Multimedia: Assemblages & Construction	10.00	10.00	10.00	10.00
ART 3320 Carving	10.00	10.00	10.00	10.00
ART 3330 Metal Casting	10.00	10.00	10.00	10.00
ART 3340 Figure Sculpture	45.00	45.00	45.00	45.00
ART 3350 Ceramic Sculpture	10.00	10.00	10.00	10.00
ART 3605 Text and Image	40.00	40.00	40.00	40.00
ART 3615 Objects on Contemporary Practice	30.00	30.00	30.00	30.00

*Any required course fees are in addition to the State University Fees.

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
ART 3620 The Moving Image-Video and Film Making	40.00	40.00	40.00	40.00
ART 3630 Still Photography I	30.00	30.00	30.00	30.00
ART 3700 Computer Art	30.00	30.00	30.00	30.00
ART 4020 Advanced Drawing	10.00	10.00	10.00	10.00
ART 4100 Advanced Printmaking	10.00	10.00	10.00	10.00
ART 4210 Modern Painting	10.00	10.00	10.00	10.00
ART 4230 Advanced Painting	10.00	10.00	10.00	10.00
ART 4300 Advanced Sculpture	10.00	10.00	10.00	10.00
ART 4870 World Crafts	10.00	10.00	10.00	10.00
ASTR 2112 Astronomy Laboratory	10.00	10.00	10.00	10.00
BIOL 1020 World of Biology	5.00	5.00	5.00	5.00
BIOL 4312 Histological and Cytological Techniques	10.00	10.00	10.00	10.00
BIOL 4632 Marine Biology	20.00	20.00	20.00	20.00
BIOL 4682 Ecology	10.00	10.00	10.00	10.00
BIOL 4720 Topics In Rocky Intertidal Biology	25.00	25.00	25.00	25.00
BIOL 4740 Deep Sea Biology	20.00	20.00	20.00	20.00
BIOL 4820 Cytogenetics	5.00	5.00	5.00	5.00
BIOL 4852 DNA Technology in Forensic Science	50.00	50.00	50.00	50.00
BIOL 4862 Cell Culture & Advanced Biotechnology	40.00	40.00	40.00	40.00
BIOL 4872 Recombinant DNA Laboratory	25.00	25.00	25.00	25.00
BIOL 4952 Selected Topics in Biological Science	Varies	Varies	Varies	Varies
BOTY 1052 Introduction to Botany	5.00	5.00	5.00	5.00
BOTY 3002 Plant Propagation	10.00	10.00	10.00	10.00
BOTY 3102 Survey of Nonvascular Plants	10.00	10.00	10.00	10.00
BOTY 3122 Morphology of Vascular Plants	10.00	10.00	10.00	10.00
BOTY 3702 Flowering Plants	10.00	10.00	10.00	10.00
BOTY 4202 Plant Physiology	20.00	20.00	20.00	20.00
BOTY 4602 Plant Ecology	10.00	10.00	10.00	10.00
BUS 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
CHEM 1002 Chemistry in the Modern World	15.00	15.00	15.00	15.00
CHEM 1102 Principles of Chemistry I	15.00	15.00	15.00	15.00
CHEM 1112 Principles of Chemistry II	15.00	15.00	15.00	15.00
CHEM 2002 Experiments for the Elementary Classroom	15.00	15.00	15.00	15.00
CHEM 2012 Quantitative Analysis	15.00	15.00	15.00	15.00
CHEM 2092 Chemistry & Biochemistry for Nurses	15.00	15.00	15.00	15.00
CHEM 2502 Chemistry of Photography Laboratory	15.00	15.00	15.00	15.00
CHEM 3012 Organic Chemistry I	15.00	15.00	15.00	15.00
CHEM 3022 Organic Chemistry II	15.00	15.00	15.00	15.00
CHEM 4102 Instrumental Analysis Laboratory	15.00	15.00	15.00	15.00
CHEM 4212 Advanced Chemistry Laboratory	15.00	15.00	15.00	15.00
CHEM 4402 Biochemistry Laboratory	15.00	15.00	15.00	15.00
CIS 2002 Introduction to Computer Information Systems	25.00	25.00	25.00	25.00
CIS 2012 Introduction to COBOL Programming	25.00	25.00	25.00	25.00
CIS 2022 Visual Basic Programming	25.00	25.00	25.00	25.00
CIS 2032 Java C++ Programming	25.00	25.00	25.00	25.00
CIS 2702 Management Information Systems	25.00	25.00	25.00	25.00
CIS 3012 Advanced COBOL Programming	25.00	25.00	25.00	25.00
CIS 3022 Advanced Visual Basic Programming	25.00	25.00	25.00	25.00
CIS 3032 Advanced Java C++ Programming	25.00	25.00	25.00	25.00
CIS 3732 Structured Programming	25.00	25.00	25.00	25.00
CIS 3762 Computer Graphics	25.00	25.00	25.00	25.00
CIS 3782 Management Information Systems and Microcomputers	25.00	25.00	25.00	25.00
CIS 4102 Systems Administration	25.00	25.00	25.00	25.00
CIS 4713 Information Systems Management	25.00	25.00	25.00	25.00
CIS 4723 Database Management Systems	25.00	25.00	25.00	25.00
CIS 4742 Advanced Database Management	25.00	25.00	25.00	25.00
CIS 4753 Decision Support Systems	25.00	25.00	25.00	25.00
CIS 4773 Systems Analysis and Design	25.00	25.00	25.00	25.00
CIS 4783 CIS Design	25.00	25.00	25.00	25.00
CIS 4803 Data Communications	25.00	25.00	25.00	25.00

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
CIS 4823 E-Business Site Development	25.00	25.00	25.00	25.00
CIS 5752 Database Management	25.00	25.00	25.00	25.00
CJ 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
EDUC 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
ENGL 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
ENTO 3002 Principles of Entomology	20.00	20.00	20.00	20.00
ENTO 3742 Insect Classification	10.00	10.00	10.00	10.00
ENTO 4332 Medical & Veterinary Entomology	35.00	35.00	35.00	35.00
ENTO 4802 Agricultural Entomology	26.00	26.00	26.00	26.00
GEOG 4703 Death Valley Landscapes	135.00	135.00	135.00	135.00
GEOL 2002 Regional Geology of California (Lab)	30.00	30.00	30.00	30.00
GEOL 2102 Principles of Geology (Lab)	15.00	15.00	15.00	15.00
GEOL 2202 Historical Geology (Lab)	10.00	10.00	10.00	10.00
GEOL 2400 Introduction to Earth Science			20.00	20.00
GEOL 2500 Dinosaurs				
GEOL 3002 Physical and Environmental Geology (Lab)	10.00	10.00	10.00	10.00
GEOL 3053 Environmental Geology field trip		60.00	60.00	60.00
GEOL 3302 Paleontology (Lab)	10.00	10.00	10.00	10.00
GEOL 3400 Plate Tectonics	20.00	20.00	20.00	20.00
GEOL 3652 Geohazards Laboratory	15.00	15.00	15.00	15.00
GEOL 3702 Igneous and Metamorphic Petrology (Lab)	15.00	15.00	15.00	15.00
GEOL 3900 Soil Geology	8.00	8.00	8.00	8.00
GEOL 4003 California Field Excursions Activity	15.00	15.00	15.00	15.00
GEOL 4302 Minerals and Crystals (Lab)	10.00	10.00	10.00	10.00
GEOL 4350 Geophysical Exploration	20.00	20.00	20.00	20.00
GEOL 4362 Structural Geology (Lab)	30.00	30.00	30.00	30.00
GEOL 4402 Applied Geology Laboratory	30.00	30.00	30.00	30.00
GEOL 4502 Field Geology (Lab)	20.00	20.00	20.00	20.00
GEOL 4812 Water Resources Development & Mgt Lab	25.00	25.00	25.00	25.00
HIST 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
MBIO 2012 Microbiology for Nursing Laboratory	35.00	35.00	35.00	35.00
MBIO 3032 Bacteriology Laboratory	35.00	35.00	35.00	35.00
MDIS 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
MSCI 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
MUS 1610 Freshman-Level Keyboard	50.00	50.00	50.00	50.00
MUS 1640 Freshman-Level Voice	100.00	100.00	100.00	100.00
MUS 1641 Freshman Voice Major Repertoire	50.00	50.00	50.00	50.00
MUS 1670 Freshman-Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUS 2610 Sophomore-Level Keyboard	50.00	50.00	50.00	50.00
MUS 2640 Sophomore-Level Voice	100.00	100.00	100.00	100.00
MUS 2641 Sophomore Voice Major Repertoire	50.00	50.00	50.00	50.00
MUS 2670 Sophomore-Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUS 3610 Junior-Level Keyboard	50.00	50.00	50.00	50.00
MUS 3640 Junior-Level Voice	100.00	100.00	100.00	100.00
MUS 3641 Junior Voice Major Repertoire	50.00	50.00	50.00	50.00
MUS 3670 Junior-Level Orchestral Instruments	50.00	50.00	50.00	50.00
MUS 4610 Advanced-Level Keyboard	50.00	50.00	50.00	50.00
MUS 4640 Advanced-Level Voice	100.00	100.00	100.00	100.00
MUS 4641 Senior Voice Major Repertoire	50.00	50.00	50.00	50.00
MUS 4670 Advance- Level Orchestral Instruments	50.00	50.00	50.00	50.00
NURS 2820 Nursing Skills	135.00	135.00	135.00	135.00
NURS 2840 Pharmacology & Nutrition	93.00	93.00	93.00	93.00
NURS 2900 Adult Health I	72.00	72.00	72.00	72.00
NURS 3002 Health Assessment	25.00	25.00	25.00	25.00
NURS 3310 Nursing Leadership & Management	47.00	47.00	47.00	47.00
NURS 3800 Pediatric Nursing	89.00	89.00	89.00	89.00
NURS 3820 Reproductive Health Nursing	68.00	68.00	68.00	68.00
NURS 3900 Mental Health Nursing	21.00	21.00	21.00	21.00
NURS 4410 Community Health Practicum	17.00	17.00	17.00	17.00
NURS 4800 Adult Health II	100.00	100.00	100.00	100.00

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
NURS 4820 Prelicensure Seminar	40.00	40.00	40.00	40.00
OM 3022 Management Science	25.00	25.00	25.00	25.00
PHYS 1502 Energy and Matter Laboratory	10.00	10.00	10.00	10.00
PHYS 2102 Basic Physics I (Lab)	10.00	10.00	10.00	10.00
PHYS 2112 Basic Physics II (Lab)	10.00	10.00	10.00	10.00
PHYS 2252 General Physics I (Lab)	10.00	10.00	10.00	10.00
PHYS 2262 General Physics II (Lab)	10.00	10.00	10.00	10.00
PSCI 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
PSYC 3000 Experimental Methods and Design	15.00	15.00	15.00	15.00
PSYC 3405 Research Seminar in the Psychology of Perception	15.00	15.00	15.00	15.00
PSYC 3610 Applied Behavior Analysis Research Seminar	15.00	15.00	15.00	15.00
PSYC 3705 Research Seminar in Human Learning	15.00	15.00	15.00	15.00
PSYC 3800 Experimental Psychology Research Seminar	15.00	15.00	15.00	15.00
PSYC 4102 Research Seminar in Neuroscience	15.00	15.00	15.00	15.00
PSYC 4120 Human Development Research Seminar	15.00	15.00	15.00	15.00
PSYC 4310 Research Seminar in Social Psychology	15.00	15.00	15.00	15.00
PSYC 4410 Research Seminar in Cognitive Psychology	15.00	15.00	15.00	15.00
PSYC 4725 Experimental Analysis of Behavior Research Seminar	15.00	15.00	15.00	15.00
PSYC 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
SW 7005 Continuing Thesis or Project	125.00	125.00	125.00	125.00
Teacher Education 4130 Elementary Curriculum & Instructional	5.00	5.00	5.00	5.00
THEA 1110 Playgoing	Varies	Varies	Varies	Varies
THEA 3200 Stagecraft I	Varies	Varies	Varies	Varies
ZOOL 1052 Introduction to Zoology	15.00	15.00	15.00	15.00
ZOOL 2232 Physiology Lab	15.00	15.00	15.00	15.00
ZOOL 2252 Human Anatomy	20.00	20.00	20.00	20.00
ZOOL 2663 Bird Watching	10.00	10.00	10.00	10.00
ZOOL 3132 Vertebrate Embryology Lab	40.00	40.00	40.00	40.00
ZOOL 3152 Comparative Anatomy of Vertebrates	25.00	25.00	25.00	25.00
ZOOL 3612 General Vertebrate Zoology	20.00	20.00	20.00	20.00
ZOOL 3663 Bird Watching in Central California	10.00	10.00	10.00	10.00
ZOOL 4152 Animal Cells and Tissues	20.00	20.00	20.00	20.00
ZOOL 4232 Animal Physiology	20.00	20.00	20.00	20.00
ZOOL 4282 Physiology of Human Systems	20.00	20.00	20.00	20.00
ZOOL 4422 Invertebrate Zoology I	15.00	15.00	15.00	15.00
ZOOL 4432 Invertebrate Zoology II	15.00	15.00	15.00	15.00
ZOOL 4442 General Parasitology	5.00	5.00	5.00	5.00
ZOOL 4622 Herpetology	5.00	5.00	5.00	5.00
ZOOL 4632 Ornithology	20.00	20.00	20.00	20.00
ZOOL 4642 Mammalogy	20.00	20.00	20.00	20.00
Alumni Career Services Annual Fee	25.00	25.00	25.00	25.00
Breakage or Damage	Repair/Replacement cost	cost	cost	cost
Materials, Services, Facility Use	cost	cost	cost	cost
Child Development Center Child Care tuition	Varies	Varies	Varies	Varies
Short Term Loan Late Fee	20.00	20.00	20.00	20.00
Music Instrument Rental	30.00	30.00	30.00	30.00
Music Locker	5.00	5.00	5.00	5.00
OIT Laser Printing Card – 25 Pages	5.00	5.00	5.00	5.00
OIT Laser Printing Card – 10 Pages	2.00	2.00	2.00	2.00
Orientation				
Freshman	55.00	55.00	55.00	55.00
Transfer	45.00	45.00	45.00	45.00
Guest	25.00	25.00	25.00	25.00

	Summer 2005	Fall 2005	Winter 2006	Spring 2006
Physical Education Locker Rental Annual Academic Year	20.00	20.00	20.00	20.00
Library Overdue Book(s) or Materials	Fine	Fine	Fine	Fine
Library Lost Or Damaged Book(s) or Materials	Cost + \$6.00	Cost + \$6.00	Cost + \$6.00	Cost + \$6.00
Library Community Member Annual	35.00	35.00	35.00	35.00
Writing Proficiency Screening Test (WPST)	25.00	25.00	25.00	25.00
Credential Program Application Evaluation: (Paid Upon Application to the Specific Program, One Time Only)				
Single Subject	30.00	30.00	30.00	30.00
Multiple Subjects	30.00	30.00	30.00	30.00
Subject Matter Competence Verification (Waiver)	25.00	25.00	25.00	25.00
Education Administration Preliminary	25.00	25.00	25.00	25.00
Education Administration Professional	25.00	25.00	25.00	25.00
Pupil Personnel Services	25.00	25.00	25.00	25.00
Education Specialist: Mild/Moderate	25.00	25.00	25.00	25.00
Education Specialist: Moderate/Severe	25.00	25.00	25.00	25.00
Liberal Studies Subject Matter Verification (Form V)	20.00	20.00	20.00	20.00
Liberal Studies Subject Matter Analysis	50.00	50.00	50.00	50.00
Credential Waiver Program - subject matter competency				
Social Science non-majors & not attending CSU	50.00	50.00	50.00	50.00
Social Science majors	20.00	20.00	20.00	20.00
Subject Matter Competency Verification - Arts, Letters & Science	50.00	50.00	50.00	50.00
Health Center Services	Closed			
Office Visit for Illness, Injury, or Health Ed	Closed	No charge	No charge	No charge
Required Immunizations (MMR & HEP B)	Closed	No charge	No charge	No charge
Tuberculosis screening	Closed	No charge	No charge	No charge
Physical exams:				
Department of Motor Vehicles	Closed	25.00	25.00	25.00
Gyn-annual/PAP	Closed	Varies	Varies	Varies
Routine/General	Closed	25.00	25.00	25.00
Sports	Closed	10.00	10.00	10.00
Housing:				
Rent Deposit	150.00	150.00	150.00	150.00
Board Deposit	0.00	0.00	0.00	0.00
Security Deposit	150.00	150.00	150.00	150.00
Room license	Varies by plan	Varies	Varies	Varies
Meal plan	Varies by plan	Varies	Varies	Varies
OIT Telephone Services Deposit	100.00	100.00	100.00	100.00
Telephone service base monthly rate-local calls only	16.50	16.50	16.50	16.50
Voice mail monthly rate	4.00	4.00	4.00	4.00
Call waiting monthly rate	1.00	1.00	1.00	1.00
Application for housing (Non Refundable)	40.00	40.00	40.00	40.00
Activities Service Charge-Annual	25.00	25.00	25.00	25.00
Computer Connection Installation:				
Network Installation	75.00	75.00	75.00	75.00

Fees Are Subject To Change Without Notice.

Nonresident Tuition

The nonresident tuition fee is payable by all students who have not been legal residents of the State of California for at least one year immediately preceding the 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. Please call (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 detailed information on residency determination and exceptions to tuition, refer to "Determination of Residence," Appendix C.

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.

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.

In order 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 California State University, 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, 801 West Monte Vista Avenue, MSR 290, Turlock, CA 95382, at (209) 667-3063.

Fees and Debts Owed to the Institution

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

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

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

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.

Withdrawal from the University

Students must enroll at least part-time for **one semester each calendar year** to maintain rights to their original catalog year for graduation requirements, as explained in the "Graduation Requirements" section of this catalog under "General Requirements for Degrees."

Students may withdraw from CSU Stanislaus through the enrollment census date each term without having any transcript notation recorded by filing an approved Add/Drop or Withdrawal form in the Enrollment Services Office. Students who withdraw from the University are deemed to be fully responsible for such action and are not permitted to reenroll for the same term at the University after the census date. After non-enrollment at the University for a year or more, an Application for Admission must be submitted to request enrollment. (See policy on Admission Reapplication Requirement.) Students who take unauthorized leave may receive a final grade of WU, F, or NC in each course for which they were registered.

Withdrawals after the Enrollment Census Date are permissible only for serious and compelling reasons, i.e., reasons clearly beyond the student's control. Approved withdrawals at this time result in

the assignment of the “W” administrative symbol which carries no connotation of quality of student performance and is not used in grade-point-average calculation.

Withdrawals shall not be permitted during the final three weeks of instruction (last five days of winter and summer terms) except in cases such as accident or serious illness where the cause of withdrawal is due to circumstances clearly beyond the student’s control and the assignment of an incomplete is not practicable.

When documented extreme circumstances beyond the student’s control—accident, serious illness, change of working hours causing a class/work conflict, transfer out of the area, hospitalization, etc.—make withdrawing from a course(s) or from the University necessary, and when continued enrollment would unduly penalize the student, the student may request an exemption from this regulation.

Nonattendance does not cancel a course enrollment.

Fee Waivers

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

Alan Pattee Scholarship Act

No State University Fee or Application for Admission Fee shall be required of or collected from 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 fire fighting 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 further information, contact the Director of Admissions and Records at (209) 667-3264.

Employees

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 for classes in order to have their fees calculated properly. **This waiver must be submitted to the Human Resources Office for each term of enrollment.** Forms are available from the Employee Benefits Coordinator in the Human Resources Office. Questions regarding which fees qualify for waiver should be directed to the Employee Benefits Coordinator in Human Resources, (209) 667-3351.

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 in order to have their fees calculated properly. **This waiver must be renewed each term.** Questions regarding the Senior Scholar Fee waiver should be directed to the First-Year Programs and Advising Office, (209) 667-3304.

Veterans' Dependents

Veterans' Dependents Section 66025.3 - 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.**

Employee & Faculty Dependents

Qualifying students must have their fee waiver on file with the Waiver Coordinator in the Enrollment Services Office, (209) 667-3081, prior to registering for classes. **This waiver must be renewed each term.** Forms are available from the Employee Benefits Coordinator in the Human Resources Office. Questions regarding which fees qualify for waiver should be directed to the Employee Benefits Coordinator in Human Resources, (209) 667-3351.

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.** Questions regarding third party pay may be directed to Student Financial Services at (209) 667-3977.

CSU Concurrent Enrollment

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

Higher Education Tax Incentives

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

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

CSU Stanislaus cannot determine if 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

Use of Social Security Number

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

Financial Aid and Scholarships

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

Director: David Gomes

The Financial Aid and Scholarships Office 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. 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 Office 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 in the Financial Aid Handbook. Students can access their financial aid status on the World Wide Web at <http://www.csustan.edu/financialaid>.

Financial Aid Programs Available to Qualified Students

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 with an award for books and living expenses in the first year, and beginning with the second year, also provides for 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 (SEOG)

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

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 who are admitted to the University through the Educational Opportunity Program and have financial need may be funded under this State program.

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.

Federal Perkins Loan

The Perkins Loan is a Federal program providing 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 deferment of payment or full cancellation of the loan and interest may be possible.

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.

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. Further information and application materials are available at the Financial Aid and Scholarships Office.

Scholarships

On-campus scholarship funds are provided through the generosity of individual donors and private agencies or corporations. The funds are generally awarded on the basis of demonstrated academic excellence. Some of these awards are limited to students in particular majors, community college transfers, or students entering directly from high school. Additional information on scholarship availability may be obtained 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.

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 sixty days.

Selective Service Registration

The federal Military Selective Service Act requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth 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 in order 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>.

Academic Policies and Procedures

Adding and Dropping Courses.....	52
Auditors.....	53
Challenge Examinations	53
Change of Address	53
Class Attendance.....	53
Concurrent Enrollment.....	53
Continuous Enrollment Requirement	53
Course Load Classifications.....	56
Declaration or Change of Educational Objectives.....	53
FERPA.....	55
General Education Credit.....	53
Grade Appeal Procedure	53
Grade Reports to Students	53
Incomplete Work.....	54
Individual Study Courses.....	54
Instructor Withdrawal	54
Leaves of Absence	54
Planned Student Leaves	54
Unavoidable Leave of Absence	54
Nondiscrimination Policy	55
Official Program Limits	55
Petitions/Appeals of University Requirements.....	55
Postbaccalaureate Credit.....	55
Report in Progress Work	55
Sexual Harassment Policy.....	56
Transcripts.....	56
Undergraduate Enrollment in Graduate Courses	56

Adding and Dropping Courses

Courses may be added or dropped by a student via Web Registration or on an official add/drop form properly signed and submitted to the Enrollment Services Office during the scheduled add/drop period. Refer to the Schedule of Classes for specific information and deadlines. Unauthorized dropping of a course will result in a final grade of WU, F, or NC. **Nonattendance does not cancel a course enrollment. If a student attends a course without officially adding it by the deadline through the Enrollment Services Office or Web Registration the student will not receive credit for the course.**

The following regulations govern adding or dropping a course during the term:

1. Students may add courses by the last day to register or add a class as indicated in the college year calendar by either (a) filing an approved Add/Drop Form with the Enrollment Services Office, or (b) adding via Web Registration. Students approved to add a course after the last day to register or add a class will be required to pay a \$10 late add fee. **Adding courses after the Enrollment Census Date will not be allowed.**
2. A course may be dropped on or before the last day to drop a course as indicated in the college year calendar either by (a) filing an approved Add/Drop Form with the Enrollment Services Office by the last day to drop a course or (b) dropping the course via Web Registration by the published deadline. (See the Schedule of Classes for deadline dates.)
3. A student may not drop a course after the Enrollment Census Date of the term as indicated in the college year calendar except when approved by the appropriate academic departments. After the Enrollment Census Date, students are responsible for completion of the course(s) in which they are enrolled. 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 from 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. Dropping a course after the last day of a term will not be allowed.

Students who are entitled to a partial refund because of a reduced course load must have officially dropped courses by the published refund deadline by (a) submitting an approved Add/Drop or Withdrawal Form to the Enrollment Services Office, or (b) dropping courses via Web Registration.

In any case, students should refer to the Schedule of Classes for complete information on adding or dropping courses for a particular term.

Students who drop all of their classes prior to 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 to have been 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 in order to ensure that official communications, registration information, correspondence, and other such materials reach the student without unnecessary delay.

Class Attendance

Regularity in attending classes is assumed. The instructor of any given course sets the attendance policies. It is the student's responsibility to consult with the instructor about their particular policies 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 and Acceptance of 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 "General Requirements for Degrees." See the Admissions and Readmission Requirements section of this catalog for an explanation of reapplication requirements.

Declaration or Change of Educational Objectives

A 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, 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.

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 **current** catalog section entitled "General Education," which lists acceptable General Education courses.

Grade Appeal Procedure

Detailed grade appeal procedures are included in the faculty handbook and the student handbook. The complete procedures are also reproduced in Appendix G of this catalog.

Grade Reports To Students

Students may access their term course grades on the Internet at www.csustan.edu/Admin_Services/Student. Instructions for use of Web Registration are included in the Schedule of Classes. Students may also order an official transcript after the conclusion of each semester, or term.

Incomplete Work

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

Any incomplete must be made up within the time limit set by the instructor; in any case, no more than one calendar year following the end of the term in which the incomplete was assigned. 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 "Academic Standards" section of this catalog and the Schedule of Classes for grading options.)

In cases of prolonged illness or any emergency which necessitates an extension of time to complete the course, the student may petition through the academic departments where the course was offered. Students may not be permitted to graduate until all incompletes are removed or evaluated as "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/school 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 reenroll 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 course work 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 “General Requirements for Degrees.”

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

The California State University does not discriminate on the basis of sex 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 the basis of sex 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 California State University, Stanislaus, may be referred to the Assistant to the President for Internal Relations, (209) 667-3011, who is assigned the administrative responsibility of reviewing such matters, or 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 men and women 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. Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (1990), and various state laws prohibit such discrimination. The Assistant to the President for Internal Relations has been designated to coordinate the efforts of California State University, Stanislaus to comply with the Acts and all relevant disability laws. Inquiries concerning compliance may be addressed to this person at the Internal Relations Office, 801 W. Monte Vista Avenue, Turlock, California 95382, (209) 667-3011, or 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 California State University, Stanislaus may be referred to the Assistant to the President for Internal Relations, (209) 667-3011, or 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

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 Assistant to the President for Internal Relations, (209) 667-3011, or 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 during a fall or spring semester must obtain the approval of the major department chair at the time of registration. Five units is the maximum for which a student may enroll during a winter term and ten units during summer term. Additional units in a winter and summer term require the approval of the major department chair. 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 program 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 School/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*.

Family Educational Rights and Privacy Act (FERPA)

Refer to Appendix H.

Report in Progress Work

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

RP grades shall be removed within one year after issuance of the grade except for graduate degree thesis or project. A student whose thesis or project is planned to extend over more than the term of first enrollment in a 5990 or 5960 course may receive a report in progress (RP) grade. The RP will remain through the period of the program which is limited to a maximum of seven years. If the RP is not removed within these time limits, the grade will revert to NC for grading options 1 and

*Forms may be obtained on-line or at Enrollment Services, MSR 120.

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

Refer to Appendix J.

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 course work 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 according to the credit total listed below:

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 course work applicable to any graduate program.*
2. *During winter and summer terms these classifications apply to postbaccalaureate students enrolled for less than 2 units of course work 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 course work 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. Copies of CSU Stanislaus course history may be obtained at www.csustan.edu/Admin_Services/Student.

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 under Academic Policies and Procedures.

Academic Standards

Academic Renewal	59
Credit/No Credit Grading	58
Disqualification	59
Grade Point Computation	58
Grading Options.....	58
Grading System.....	59
Honors List of Students	58
Probation	58
Reinstatement after Disqualification.....	59
Repeated Courses.....	58
Scholarship Standards.....	58
Special Administrative Action	59

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 World Wide Web at http://www.csustan.edu/Admin_Services/Student.

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 on the next page.) An extension of time may be granted via approved petition. Not used in grade point average calculation. (See Incomplete Work under Academic Policies and Procedures.)

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

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

RP—Report in Progress: Indicates that work is in progress, but that assignment of a final grade must await completion of additional work which normally requires more than one term to complete (e.g., master’s thesis). RP grades shall be removed within **one year** after issuance of the grade except for thesis or project. A student whose 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 course work within the allowed time limit. The IC replaces the “I” and is counted as a failing grade for grade point average and progress point computation.

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.

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 course work at the University, and
2. Achieve a 3.5 grade point average for all course work 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 course work at the University, and
2. Achieve a 3.5 grade point average for all course work 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 Undergraduate 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** becomes 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 First-Year Programs and Advising Office 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 First-Year Programs and Advising Office 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 Discipline," Appendix F of this catalog.

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; complete remedial or other specified course work, 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 First-Year Program and Advising Office. 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 course work 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 course work 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.

Undergraduate Degree Requirements

General Requirements.....	63
Catalog Year.....	63
Winter Term.....	63
Baccalaureate Degree Requirements.....	63
Scholarship.....	63
General Education-Breadth Requirements.....	64
Multicultural Requirement.....	67
Mathematics Competency.....	72
Upper Division Writing Proficiency.....	70
Graduation Information.....	72
Graduation Application.....	72
Graduation Honors.....	72
Multiple Majors or Minors.....	72
Requirements for Additional Baccalaureate Degree.....	72
Undergraduate Degrees.....	61
Majors.....	61
Minors.....	62
Special Major.....	63

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 course work 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
- 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 payment of fees. This is the sole remedy for the University's failure to meet any of its obligations under its degree pledge. Complete details of all above requirements are available from the First-Year Programs and Advising Office.

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 First-Year Programs and Advising Office.

Evening General Education and Major 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. (See the current Schedule of Classes.)

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 within six semesters of evening enrollment.

The degree major programs that will be available in the late afternoons and evenings at the Turlock campus are as follows:

- Liberal Studies, BA (some day classes are required)
- Business Administration, BS (general business concentration)
- Communication Studies, BA

The upper-division degree major programs that will be available in the late afternoons and evenings at CSU Stanislaus–Stockton are as follows:

- Child Development, BA
- Communication Studies, BA
- Criminal Justice, BA
- Psychology, BA
- Social Sciences, BA
- Sociology, BA
- Liberal Studies, BA (some day classes are required in Turlock)

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

The Major

The major consists of a pattern of upper-division courses which are prescribed by the department, college, or school concerned, are exclusive of General Education requirements, and must be preceded by specified prerequisites in the major field of study and in support fields. Required courses in a major will total not less than 24 upper-division semester units **in that discipline**. More than one major may be completed. All requirements of the department of the major must be completed to qualify for a baccalaureate degree. Students seeking teaching credentials are advised to consult a credential adviser. (See “College of Education.”)

As the University grows, new majors will be added. Freshmen may claim any additional majors developed and offered by the time they reach upper-division standing. When an additional major is completed, it must also fulfill the curricular and unit standards for the degree granted.

The University offers programs leading to the baccalaureate with a major in the areas (available concentrations are indicated) listed on the next page.

Majors

The University offers the following majors and concentrations.
The list shows the pages where they appear in this catalog:

Agricultural Studies	106	French	248
Agricultural Biology.....	107	Geography	193
Applied Economics.....	107	Applied Geography.....	194
Permaculture.....	107	Geology	197
Special Concentration.....	108	Applied Geology.....	198
Anthropology	109	History	202
Ethnology.....	110	Liberal Studies	216
Physical Anthropology.....	110	Anthropology.....	219
Prehistoric Archaeology.....	110	Applied Philosophy.....	219
Applied Studies	114	Art.....	220
Art	115	Bilingual/Crosscultural - Southeast Asian.....	220
Art History.....	117	Bilingual/Crosscultural - Spanish.....	221
Mixed Subject.....	116	Biological Sciences.....	221
New Media.....	116	Chemistry.....	221
Painting.....	116	Child Development.....	222
Printmaking.....	116	Civics.....	223
Sculpture.....	117	Communication Studies.....	223
Biological Sciences	122	Earth Sciences.....	224
Botany.....	123	Economics.....	224
Clinical Laboratory Science.....	124	English.....	225
Ecology and Field Biology.....	123	Ethnic Studies.....	225
Entomology.....	123	Exceptional Children and Youth.....	226
Environmental Sciences.....	123	Geography.....	226
Genetics.....	123	History.....	227
Marine Biology.....	124	Mathematics.....	227
Microbiology.....	124	Music.....	227
Zoology.....	124	Physical Education.....	228
Business Administration	90	Physics and Physical Sciences.....	228
Accounting.....	93	Sociology.....	229
Finance.....	186	Spanish.....	229
General Business.....	192	Teaching English to Speakers of other Languages (TESOL).....	229
Management.....	230	Theatre.....	229
Human Resource Track.....	230	Mathematics	241
International Business Track.....	231	Music	257
Strategy/Entrepreneurship Track.....	231	Composition.....	259
Marketing.....	238	General Music.....	260
Operations Management.....	272	Instrumental Performance.....	258
Chemistry	134	Music Education - Choral.....	259
Environmental Sciences.....	135	Music Education - Instrumental.....	259
Child Development	138	Music Technology.....	260
Child Development Programs Track.....	139	Piano Performance.....	258
Child Development Research Track.....	139	Vocal Performance.....	259
Child Development Services Track.....	139	Nursing	267
Cognitive Studies	143	RN to BSN Track**.....	267
Communication Studies	147	Pre-Licensure BSN Track***.....	269
Organizational Communication/Public Relations Option.....	148	Philosophy	276
Speech Communication Option.....	148	Physical Education	280
Computer Information Systems	153	Health and Wellness Promotion.....	281
Computer Science	157	Physical Sciences	287
Criminal Justice	161	Applied Physics.....	288
Corrections.....	162	Earth and Space Sciences.....	288
Forensic Science.....	162	Environmental Sciences.....	288
Law Enforcement.....	162	Physics	287
Economics	168	Political Science	291
English	172	Public Administration.....	293
TESOL.....	173	Psychology	300
		Developmental Psychology.....	302
		Experimental Psychology.....	303
		Social Sciences	312
		Interdepartmental Studies.....	312
		International Studies.....	313
		Urban and Community Studies.....	315

** Upper-division program open to RNs only.

***The Pre-Licensure BSN track is an impacted program.

Sociology	321
Body, Culture, and Society (The)	322
Drug and Alcohol Studies	322
Human Services	322
Social Deviance and Criminology	322
Social Inequality	322
Spanish	251
Special Major	63
Theatre Arts	341
Acting Emphasis	342
Technical Theatre Emphasis	342

Minors

Completion of a minor for a baccalaureate degree may be required by the department of the major. A minor is a pattern of prescribed course work in that discipline consisting of a minimum of 8 upper-division semester units and a minimum of 15 semester units in courses acceptable to the minor advisor and the department concerned. Departmental minors normally require one-half of the number of units required for a major within a department. More than one minor may be completed. As the University grows, new minors will be added. Freshmen may also claim any additional minors developed and offered by the time they reach upper-division standing.

The University offers the following minors. The list shows where they appear in this catalog:

African American Studies	183
Agricultural Studies	108
Anthropology	109
Art	118
Art History	118
Biological Sciences	124
Business Administration	89
Chemistry	135
Chicano Studies	183
Cognitive Studies	144
Computer Information Systems	154
Computer Science	158
Criminal Justice	163
Economics	168
English	173
Environmental and Resource Studies	180
Ethnic Studies	183
Exceptional Children and Youth	185
Forensic Science	162
French	248
Gender Studies (formerly Women's Studies)	189
Geography	194
Geology	198
Gerontology	201
History	203
Journalism	214
Latin American Studies	215
Mathematics	242
Microelectronics	288
Music	260
Permaculture	274
Philosophy	277
Physical Education	281
Physical Sciences	289
Physics	288
Political Science	293
Portuguese	249
Psychology	305
Public Administration	293
Sociology	322
Spanish	250
Speech Communication	148
Theatre Arts	342
World History	203

Special Major

Strongly motivated University students may design special BA/BS interdisciplinary academic programs leading to a degree not offered through existing standard degree programs. Students interested in a special major program 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.

Permission of the BA/BS Special Major Coordinator will be required in all cases. A Special Major must comply with the standard graduation requirements for all students listed in the catalog chapter entitled Undergraduate Degree Requirements. The applicant must present a program consisting 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 Associate Dean of the College of Arts, Letters, and Sciences (who is the Special Major Coordinator).

Catalog Year for Graduation Requirements (Catalog Rights)

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 purpose of this regulation, “continuous enrollment” means attendance in at least one semester (or two quarters) 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 and Acceptance of Credit.”)

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.

As an integral part of the 4–1–4 program at CSU Stanislaus, winter term courses are required for graduation as follows:

1. Students entering as freshmen with less than 15 semester units must complete three winter terms;
2. Students entering as freshmen with 15 or more units, entering as sophomores, or entering as juniors with less than 75 semester units must complete two winter terms;
3. Students entering as juniors with 75 or more semester units or entering as seniors must complete one winter term.

Working students who can demonstrate the necessity of a part-time load during winter term may petition to enroll for two units of Individual Study. One-unit courses normally will not be accepted as meeting a winter term requirement. Students unable to complete a winter term course due to illness or other circumstances beyond their control, and thus unable to fulfill the winter term graduation requirement, may petition for an exception.

Winter term requirements do not apply to students in graduate programs. All students, of course, are encouraged to enroll in winter term courses.

Baccalaureate Degree Requirements

To qualify for a baccalaureate degree, a **student must comply with all University regulations** and satisfy specific requirements in the following 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.
3. **Winter Term:** A student must complete winter terms as indicated in the above section on winter term.

Scholarship

Each student must complete with a minimum grade point average of 2.0 (C) or better:

1. all acceptable college units attempted,
2. all units attempted in the major field of study (See the Major for criteria), and
3. all residence credit units attempted at the University.

General Education-Breadth Requirements¹

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

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

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

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

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

The University collaborates with partners in its surrounding communities to provide "service learning" opportunities for enhancing the educational experiences and civic awareness of our students. (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 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 Historical Geology, 4 units (includes lab)
 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)

¹ Subject and/or unit requirements may be fulfilled according to the University's credit-by-examination policies.

- 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 Requirement²

(9 units minimum)

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

1. Arts

- ART 1000 Introduction to Studio Art, 3 units
ART 1100 Visual Principles, Two-Dimensional, 3 units
ART 1200 Visual Principles, Three-Dimensional, 3 units
ART 1340 Introduction to Ceramics, 3 units
ART 2515 Art History Survey-Ancient, 3 units
ART 2520 Art History Survey-Modern, 3 units
ART 2525 Art History Survey-Non-Western, 3 units (G)
ART 2530 Art Appreciation, 3 units
FA 1000 Introduction to the Fine Arts, 3 units
FA 1010 Fine Arts Practicum: Introduction to Visual Art, 3 units
FA 1020 Fine Arts Practicum: Introduction to the Theatre, 3 units
FA 1030 Fine Arts Practicum: Introduction to Music Skills, 3 units
MUS 1000 Introduction to Music, 3 units
MUS 1190 Music Fundamentals, 3 units
MUS 2000 Music of World Cultures, 3 units (G)
MUS 2400 Orchestra, 1 unit
MUS 2410 Concert Chorale, 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
HUM 2000 Introduction to the Humanities, 3 units
PHIL 1010 Introduction to Philosophy, 3 units
PHIL 2200 Ancient Philosophy, 3 units
PHIL 2230 Modern Philosophy, 3 units

- PHIL 2400 Contemporary Moral Issues, 3 units
PHIL 2700 Introduction to Political Philosophy, 3 units

3. Foreign Language

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

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

(12 units minimum)

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

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

The California Code of Regulations, Title 5, Section 40404, requires "...appropriate courses in the Constitution of the United States, and in American history, including the study of American institutions and ideals, and of the principles of state and local government established under the Constitution of this State..." Completion of one course under (a) and the course under (b) below satisfies these requirements.

- a. One of the following United States history courses (which are not applicable to the upper-division General Education requirements):

- HIST 2600 Problems in U.S. History, 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

- b. 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 required³

- a. **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)

² Requirements may be satisfied partially by acceptable scores on the CLEP Humanities General Examination.

³ Requirements may be satisfied partially by acceptable scores on the CLEP Social Sciences General Examination.

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:

1. BUS 1040 Seminar in First Year Experience, 2 units
CIS 2000 Introduction to Business Computer Systems, 3 units
CS 2000⁴ Effective Computing, 3 units
GEND 2500 Women's Development and Lifestyle Choices, 3 units
HLTH 1000 Health in Today's Society, 3 units
HONS 3500 Information/Research/Analysis, 3 units
MDIS 1040 Seminar in First Year Experience, 2 units
NURS 2040 Better Health with Self-Care, 2 units
NURS 2042 Better Health with Self-Care Activity, 1 unit
PSYC 1000 Sexual Behavior, 3 units
PSYC 2030 Psychology of Adjustment, 3 units
SOCL 2000 Intergenerational Experiences and Life Course Developments, 3 units
2. PHED 1010–1999 Physical Education Activities, 1 unit⁵

F. Upper-Division General Education Requirements

(9 units minimum)

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

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

1. Natural Science and Mathematics

a. Biology

BIOL 3000	Frontiers in Biology, 3 units
BIOL 3020	Introduction to Evolution, 3 units
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 ⁴	Personal Computing, 3 units
----------------------	-----------------------------

d. Honors

HONS 3100	Methods of Inquiry in the Sciences, 3 units
-----------	---

e. Mathematics

MATH 3030	Mathematics for Elementary and Middle School 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 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 3550	Years of War, Days of Peace: Post-1945 Literature and Film, 3 units (G)
ENGL 3920	Masterpieces of World Literature, 3 units
ENGL 3940	Multicultural American Literature, 3 units (G)
HUM 3000	Exploration in Humanities, 3 units
HUM 4750	Perceptions of Culture, 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 4450	Eastern Philosophy: Concepts, Methods, and Context, 3 units (G)

h. Theatre

THEA 3020	Children's Theatre, 3 units
THEA 3170	Real World Theatre: Comic Improvisation, 3 units (G)
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 3080	Peoples and Cultures of the Caribbean, 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
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

⁴ Students may NOT use both CS 2000 and CS 4000 to satisfy GE requirements.

⁵ Students age 25 years or older at entry to CSU Stanislaus will not be held for this requirement.

- 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 4530 Gender and Sexuality in Literature, 3 units (G)
 GEND 4750 Comparative World Women: Perceptions of Gender, 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)
 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)
 HIST 4750 Comparative World Women: Perceptions of Gender, 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 4520 Personality and Society, 3 units
- CJ 3315 Hate Crimes, 3 units
 ENGL 3550 Years of War, Days of Peace: Post-1945 Literature and Film, 3 units (F2)
 ENGL 3940 Multicultural American 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)
 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 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
 GEND 4750 Comparative World Women: Perceptions of Gender, 3 units (F3)
 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)
 HIST 4750 Comparative World Women: Perceptions of Gender, 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 3320 The Sociology of Men and Society, 3 units
 SOCL 4010 Race and Ethnic Relations, 3 units
 THEA 3170 Real World Theatre: Comic Improvisation, 3 units (F2)
 THEA 4550 American Theatre, 3 units (F2)

G. Multicultural Requirement

(3 units minimum)

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

- ANTH 2060 Introduction to Cultural Anthropology, 3 units (D2)
 ANTH 3000 Anthropology and Modern Social Issues, 3 units (F3)
 ANTH 3080 Peoples and Cultures of the Caribbean, 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)
 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

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/Science, Humanities, and Social Sciences.

The Summit Program provides an exciting new way to fulfill 6 of these 9 units by enrolling in a linked pair of courses. Each linked pair includes one Math/Science course (F1) and one Humanities course (F2); 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 linked pair, 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 2 courses so that what students learn in one course will become the foundation for learning in the next course.
- Students will take both courses 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.
- Both faculty members in the linked pair may be interacting with students over both 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 can enroll in any linked-pair, regardless of his/her major, and have the pair fulfill 6 of the 9 units of Upper-Division GE requirements.
- Students must successfully complete both courses in the pair 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 the catalog). One course in each pair has been designated as a Multicultural course.
- Summit courses cannot be electives for a major or concentration; they may be used as electives in a minor.

To receive information about the Summit Program, come to the First-Year Program and Advising Office in the MSR Building (MSR 170), call 667-3304, or contact Dr. Marjorie Jaasma in DBH 128.

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

Select from the following 5 linked pairs:

Pair 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 2005: ENGL 3550 Years of War, Days of Peace: Post-1945 Literature and Film*, 3 units

Winter 2006: PHYS 3550 Physics for War, Physics for Peace, 3 units

Pair 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 2005: PHIL 4050 Environmental Ethics, 3 units

Spring 2006: GEOG 4050 Restorative Human Ecology*, 3 units

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

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

Fall 2005: ACC 3170 Real World Accounting, 3 units

Spring 2006: THEA 3170 Real World Theatre Comic Improvisation*, 3 units

Pair 4: *Perceptions: How We See theWorld (fulfills Areas F2 and F3)*

This pair explores cultural perceptions in terms of history and art as they influence areas of the world, such as Latin America, the Middle East, and Africa.

Fall 2005: HIST 4750 Comparative World Women: Perceptions of Gender*, 3 units

Spring 2006: HUM 4750 Perceptions of Culture, 3 units

Pair 5: *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 these classes, we will examine questions about information and meaning.

Winter 2006: COGS 4350 The Information of Meaning*, 3 units

Spring 2006: PHIL 4350 Human Interests and the Power of Information, 3 units

*Fulfills Multicultural requirement (Area G).

Upper Division Writing Proficiency

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

Course	Title	Semester in Effect	Semester Removed
ACC 3125	Accounting Research and Communication	Fall 2001	
ANTH/GEND 3900	Anthropology of Gender and Sexuality (formerly Women: A Cross-Cultural View)	Fall 1992	
ANTH 4221	Folk Literature and Arts	Fall 1993	
ART 4570	Senior Seminar in Art History	Winter 1993	
ART 4960	Senior Seminar	Winter 1993	
BIOL 4010/4012	Research and Technical Writing in Biology	Fall 1994	
BUS 3100	Business Technical Writing Communication	Summer 2005	
CHEM 4420	Biochemistry II	Spring 1996	
CJ 3170	Criminal Justice Research Methods (formerly 4930)	Spring 1994	
COMM 3140	Persuasive Messages	Fall 1992	Fall 2004
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 (formerly Applied Writing)	Fall 1981	
ENGL 3012	Applied Writing (Computer-Assisted Instruction)	Fall 1997	
ENGL 3100	Literary Genres (formerly Critical Approaches to Literature)	Fall 1992	Spring 2007
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 4500/4502	Field Geology	Fall 1994	
GERM 4810	Linguistics and Language Instruction	Spring 1993	Fall 1999
HIST 3000	Introductory Seminar in History	Fall 1992	
HIST 4960	Senior Seminar (formerly Directed Reading Seminar in History)	Fall 1992	
HIST 4990	Senior Thesis	Fall 1992	
HONS 3965	Honors Seminar V: Science Tech and Human Values	Fall 1990	Fall 1999
HONS 4965	Honors Seminar VI: Self and Community	Fall 1990	Fall 1999
LIBS 3000	Community and Diversity	Fall 1995	
MATH 4960	Senior Seminar in Mathematics	Fall 1995	
MUS 3200	Music History and Literature III	Winter 1994	Fall 2005
MUS 3370	Music in Secondary Schools	Spring 1994	
NURS 3310	Nursing Leadership and Management (Reinstated)	Winter 1994 Spring 2005	Fall 1997
NURS 3320	Pre-licensure Nursing Leadership and Management	Fall 2004	
NURS 4510	Communication in Nursing Practice (formerly 3510)	Fall 1997	Fall 2006
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 4450	Eastern Philosophy: Concepts, Methods, and Context (formerly Philosophy of Religion)	Fall 1992	Fall 2001
PHIL 4500	Philosophy of Art (formerly Aesthetics)	Fall 1992	
PSCI 3010	Modern Political Thought	Spring 1993	
PSCI 3304	Introduction to Public Administration (formerly 3300)	Fall 1993	
PSCI/GEND 3700	Ethnic and Gender Politics	Spring 1993	Fall 1996
PSYC 4102	Research Seminar in 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	

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 (WP) approved course list is NOT tied to the catalog of graduation. For further information, contact the WPST Office, (209) 667-3069.

Course	Title	Semester in Effect	Semester Removed
PSYC 4810	Intimate Relationships (formerly Social Psychology of Personal Relationships)	Fall 1995	Fall 2003
PSYC 4820	Group Dynamics: Theory and Application (formerly Group Dynamics and Interpersonal Behavior)	Fall 1995	Fall 2002
SOCL 3030	Research Methods	Fall 1994	
SOCL 3040	Qualitative Methods	Spring 2004	
SOCL 3430	Population, Resources, and the American Future	Spring 2004	
SPAN 4810	Linguistics and Language Instruction	Spring 1993	
THEA 3520	The Modern Theatre (formerly DRAM 3520)	Fall 1999	
THEA 3530	Contemporary Theatre (formerly DRAM 3530)	Fall 1992	Fall 1999
THEA 4550	American Theatre (formerly DRAM 4550)	Fall 1992	Winter 1995

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 advisor, 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.*** 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

Two baccalaureate degrees cannot be earned at the same time. 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 at CSU Stanislaus, students must:

- 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:
 - at least 24 upper-division units, and
 - at least 12 units in the new major.
- Comply with all CSU Stanislaus graduation requirements, including:
 - the General Education requirements of the student's current catalog year,
 - satisfaction of the graduation mathematics and writing competency requirements, and
 - other institutional and system requirements in effect at the time of acceptance for the second degree or at the date of completion.
- Obtain approval of the major department chair.
- Maintain at least a 2.0 (C) grade point average for all CSU Stanislaus residence course work taken while pursuing the additional degree.
- 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.

*Honors designation for Spring and Summer candidates in the Commencement program is based on grades earned by the end of Winter Term.

Office of Global Affairs

Office: Student Services Building 144
(209) 667-3117

Acting Director: Hildy Heath

"To produce a globally competent college graduate, institutions must do more than string together a few courses or offer a study abroad experience for a select few. They must put international understanding and intercultural competence at the heart of the educational experience, deep in the fabric and values of the institution."

-- Madeleine F. Green
Vice President and Director
American Council on Education

Office of Global Affairs

Global learning at CSU Stanislaus is comprehensive and integrated into university life. The Office of Global Affairs supports campus-wide efforts such as the following: Study Abroad, international student services, faculty exchange, international development projects, linkages with the Northern San Joaquin Valley's diverse ethnic groups, and integration of "global learning goals" into the curriculum.

Study Abroad

The Office of Global Affairs offers opportunities for CSU Stanislaus students to study in many different parts of the world for various lengths of time. Through studying abroad, students gain an international perspective, increased independence and self-confidence, and a strong professional advantage. Students earn regular academic credit. All campus financial aid (except work study) applies. Students can participate in the following programs: (Students will not receive credit for foreign study undertaken without prior planning or approval of CSU Stanislaus.)

California State University International Programs (IP)

IP is the official study abroad program of the California State University system. IP programs offer these special features:

- No overseas tuition or administrative costs are charged; students pay only regular CSU fees.
- Students are enrolled for a full academic year at a host university and earn resident credit for their coursework.
- All campus financial aid (except work study) is applicable overseas.
- CSU Resident Directors, CSU staff, and/or host university administrators provide on-site assistance.
- Programs are available in the following countries:

Australia	Germany	New Zealand
Canada	Israel	Spain
Chile	Italy	Sweden
China	Japan	Taiwan
Denmark	Korea	United Kingdom
France	Mexico	Zimbabwe

University Studies Abroad Consortium (USAC)

CSU Stanislaus is a member of USAC, a consortium of 22 U.S. universities offering Study Abroad programs. CSU Stanislaus students can study abroad through USAC and maintain their CSU Stanislaus status.

USAC offers:

- Semester, yearlong, and summer programs.
- A wide range of academic courses including art, business, history, engineering, political science.
- All campus financial aid (except work study) applicable overseas.
- Lodging options with local university students, families, or program apartments.
- Programs available in the following countries:

Australia	Ireland
Chile	Israel
China	Italy
Costa Rica	Japan
Czech Republic	Malta
Denmark	New Zealand
England	Scotland
France	Spain
Germany	Thailand
Ghana	

CSU Stanislaus Winter Term in Mexico

Students can complete up to 6 units of CSU Stanislaus credit while living and studying in the City of Eternal Spring -- Cuernavaca, Mexico. Students travel with CSU Stanislaus faculty to Cuernavaca and live with Mexican families while attending classes at the Universidad Internacional Center for Bilingual and Multicultural Studies. Courses offered include Spanish, History, Nursing, Teacher Education, Social Work, and others. This three-week program is a great study abroad opportunity for students who are unable to participate in semester- or year-long programs.

CSU Stanislaus Bilateral Exchanges

Bilateral exchanges are one-for-one exchanges with students from overseas universities. Exchanges are an efficient and cost effective way for students to benefit from overseas study in their majors. Students pay regular CSU Stanislaus tuition, and nominal housing costs in the host country. CSU Stanislaus offers the following Bilateral Exchanges:

- Aarhus Business School, Denmark
- Hogeschool Haarlem, The Netherlands
- Norwich School of Art and Design, England

Internships in France

Two CSU Stanislaus students are selected each year to participate in three-week summer internships in business and government in Laval, France. Costs are shared by the Stanislaus County Board of Supervisors.

For more information about these and other Study Abroad opportunities at CSU Stanislaus, please contact the Office of Global Affairs, (209) 667-3117.

International Student Services

The International Student Services Office (ISS) assists the university's international (visa) students and scholars in making the most of life at CSU Stanislaus. Some of the services offered are as follows:

- Orientation: At the beginning of each semester, ISS conducts a comprehensive orientation for new international students. ISS advises students on immigration and visa matters, cultural adjustment, financial issues, housing, transportation, and employment.
- Training workshops: ISS conducts various workshops during the year on topics of special interest, e.g. academic requirements, taxes, testing, working.
- Social events: ISS organizes social and recreational activities.
- Visa support: ISS informs students about U.S. immigration and visa regulations and helps them maintain correct visa status.
- Referral to other services—academic legal, financial, and personal.

The Graduate School

Office: Mary Stuart Rogers Educational Services Gateway Building 160
(209) 667-3129

Dean: Diana Demetrulias

Website: www.csustan.edu/Graduate_School

The Graduate School at California State University is committed to the development of scholar leaders. To facilitate this commitment the University offers outstanding graduate and postbaccalaureate programs. These programs require students to demonstrate critical thinking and analysis, the ability to integrate theory and practice, and creativity in scholarly endeavors. Students emerge equipped to face real-life challenges and contribute to the body of knowledge in their field.

ADMINISTRATIVE ORGANIZATION

The role of the Graduate School is to provide for the development, planning, assessment, improvement, and administration of graduate programs at the University. The School, under the leadership of its Dean, administers the policies and procedures established by the Graduate Council. The Graduate Council is the chief governance body for graduate and postbaccalaureate programs. Its membership consists of one elected faculty from each graduate program, the Dean of the Graduate School and a graduate student representative.

GRADUATE STUDENT LEARNING GOALS

To ensure the quality of the advanced programs and student learning experiences, the Graduate Council has established six learning goals which are to be achieved by each graduate/postbaccalaureate student. These goals are:

1. Students will demonstrate advanced knowledge, skills, and values appropriate to their discipline.
2. Students will demonstrate the ability to be creative, analytical and critical thinkers.
3. Students will demonstrate the ability to work as individual researchers/scholars as well as in collaboration with others in contributing to the scholarship of their disciplines, as appropriate.
4. Students will demonstrate relevant knowledge of the global perspectives appropriate to their discipline.
5. Students will demonstrate knowledge of new and various methods and technologies as appropriate to their discipline.
6. Students will be required to demonstrate advanced oral and written communication skills, complemented as appropriate to the discipline, by the ability to access and analyze information from a myriad of primary, print, and technological sources.

The goals set clear expectations for graduate students and programs. The Graduate Council continually assesses the achievement of these goals. Assessment tools include surveys, program reviews, and analyses of student academic performance. Students and faculty are encouraged to be familiar with these expectations and to demonstrate the achievement of these goals within the program, its courses, and curricular expectations.

THE GRADUATE EXPERIENCE

One in five students at California State University, Stanislaus is enrolled in graduate or postbaccalaureate study. This is a significant portion of the student body and the group is extremely diverse in purpose, background, ethnicity, tradition, and age. This diversity provides a valuable context for quality research and learning. The University has become known for its responsiveness to individual students, its collaborative spirit, and the accessibility of its outstanding teacher-scholar faculty. Graduate students emerge with the knowledge, dispositions, and confidence to provide scholarly leadership.

GRADUATE PROGRAMS

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

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

Graduate Programs

Business Administration (MBA)
Business Administration (MSBA)
Criminal Justice (MA)
Education (MA)

Curriculum & Instruction (C&I)
Elementary Education
Multilingual Education
Reading
Secondary Education

Educational Technology
School Administration
School Counseling
Special Education
Physical Education

English (MA)

Literature
Rhetoric and the Teaching of Writing
TESOL

History (MA)

International Relations
Secondary School Teachers

Interdisciplinary Studies (MA/MS)

Marine Sciences (MS)

Psychology (MA/MS)

Behavioral Analysis (MS)
Counseling (MS)

Public Administration (MPA)

Social Work (MSW)

Directors

Randall B. Brown
Andrew Wagner
Peter Nelligan

Dennis Sayers
Susan Neufeld
Joan Wink
Janet Towell
Timothy Mahoney
Mimi Bradley
Dawn Poole
John A. Borba
Mira Mayer
Karen Sniezek
J. Sue Fletcher

Arnold Schmidt
Mark Thompson
Stephen B. Stryker

Nancy Taniguchi
Nancy Taniguchi
Jim Burns
Pamela Roe
Gina N. Pallotta
William F. Potter
Kurt Baker

April Hejka-Ekins
Margaret Tynan

Certificate Programs

Art: Printmaking
Community College Leadership
Middle/Junior High School

Directors

James Piskoti
John Borba
Mimi Bradley

FINANCIAL AID, FELLOWSHIPS, AND SCHOLARSHIPS

Applicants seeking financial aid should contact the Financial Aid Office, (209) 667-3336, for application materials. A limited number of Graduate Fellowships and Awards are also available.

- **Teaching Associates and Graduate Assistants** – Some teaching associateships and graduate assistantships are available to graduate students who are enrolled in master's degree programs. Generally, students must demonstrate an outstanding record of scholarly achievement, subject matter competence in their major fields, and the special qualities necessary to the duty assigned. Contact the program director for information.
- **Graduate Student Fee Waivers** – A number of graduate student fee waivers are available for those who are serving as Teaching Associates, Graduate Assistants, or Graduate

Scholars. These waivers are competitive and students must meet specific requirements. Contact the program director for information.

- **Graduate Research Awards** – A limited number of research awards are available through the Graduate School and individual departments. Funds are used to support the student's research, scholarship, or creative activity. Contact the Graduate School or individual departments to inquire about the application process and the availability of funds.
- **California Graduate Equity Fellowship** – This program seeks to increase the diversity of students completing graduate degree programs at California State University, Stanislaus. It provides fellowships to economically disadvantaged or to those from underrepresented groups. Filing deadlines are in the spring for the following fall. Contact the Office of Financial Aid for information.
- **Endowed Fellowships** – Several privately endowed fellowships exist for students studying in specific content areas. Contact the specific graduate program director for information.
- **California Pre-Doctoral Program** – Designed to increase the pool of potential faculty for California campuses, this loan program provides funds for students to travel to professional meetings and/or complete their doctoral education. Awarded students are also eligible to participate in CSU or UC summer research programs. Students must eventually teach at a State-Supported California University or College to have the loan forgiven. Contact the Graduate School for more information.
- **California Forgivable Loan Program** – This program offers loans and faculty sponsorship to full-time students pursuing doctoral degrees who are interested in a teaching career at a CSU campus. Students may pursue their studies at any accredited U.S. university. Twenty percent of the loan is forgiven for each year of full-time postdoctoral teaching at a CSU campus. Awards are made in the spring of each year. Contact the Graduate School for more information.

APPLICATION PROCEDURES

Both admission to the Graduate School and admission to a specific graduate program are required to pursue a graduate degree or postbaccalaureate credential at California State University, Stanislaus. Students are responsible to ensure that the requirements of both admission processes are completed by the published deadlines.

Pursuing a Second Baccalaureate Degree or Undergraduate Objective

Postbaccalaureate students who are seeking admission for an undergraduate degree objective should contact the appropriate academic department for advising. Students may apply to pursue a second baccalaureate degree using the CSU undergraduate application.

Admission to the Graduate School

Admission to the Graduate School is required for students to enroll in postbaccalaureate courses at CSU Stanislaus. Deadlines for application are published by the office of Enrollment Management. To avoid delays, students are encouraged to apply as early as possible.

To be considered for admission to the Graduate School, students must satisfy these minimum requirements:

1. Completion of a four-year college course of study and hold a baccalaureate degree from an institution accredited by a regional accrediting association, or have completed equivalent academic preparation as determined by appropriate campus authorities;
2. Good academic standing at the last college or university attended;
3. A grade point average of at least 2.5 (A = 4.0) in the last 60 semester (90 quarter) units attempted; and

4. Fulfillment of the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe.

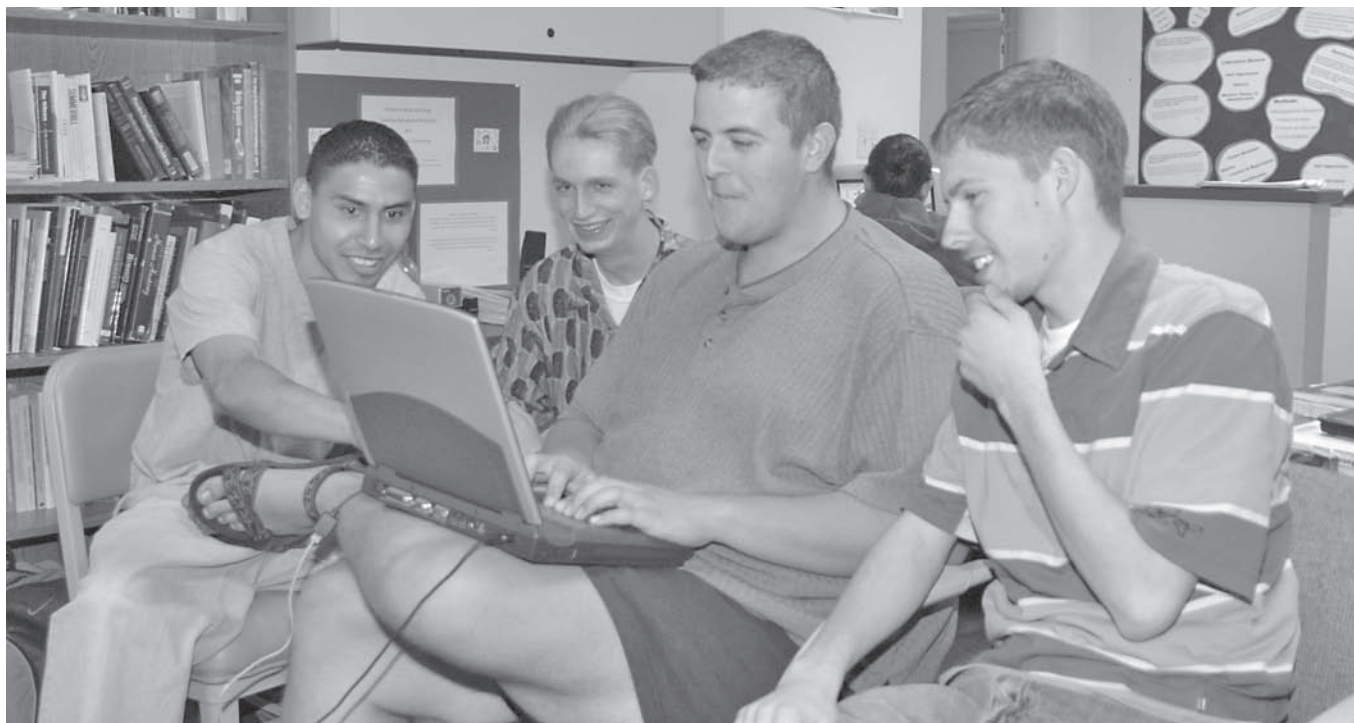
These minimum requirements for admission to graduate and postbaccalaureate programs at a California State University campus are in accordance with University regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations. In unusual circumstances, a campus may make exceptions to these criteria.

Admission to a Graduate/Postbaccalaureate Program

In addition to Graduate School admission, program admission is required to pursue a graduate degree or postbaccalaureate credential at California State University, Stanislaus. Many programs employ a referral system and students must be admitted to the program before they will be admitted to the Graduate School. In this case students should apply concurrently to the program and the Graduate School. Programs admissions are competitive and many have specific application deadlines. Some programs have one admission date per year. For these reasons and to ensure full consideration, students are encouraged to apply to the program as early as possible.

Qualifying Examinations

Some programs require that students earn a specific score on a qualifying examination to be considered for graduate program admission. Examples of qualifying examinations include the GMAT, GRE, MAT, CBEST, and CSET. Contact the specific graduate program office for information on qualifying examination requirements. Students intending to make application to a graduate program at CSU Stanislaus should request that their scores be sent to the Graduate School. Qualifying examinations must be taken within five years of program admission to be valid. Information regarding registration, fees, and schedules is available from the University Testing Office or the Graduate School.



Admission Classifications

California State University, Stanislaus uses five classifications to identify student admission status. Once students have satisfied the requirements for admission to the Graduate School and/or program, one of the following classifications will be assigned.

Classification	Description	Uses
Graduate Standing: Classified	Candidate satisfies all professional, personal, and scholastic requirements including qualifying exams for admission to a degree program.	Students who meet all the admission requirements of the program including qualifying exams fall into this category. Admission interviews, experience, and measures of potential for success may also be used to inform competitive admission decisions.
Graduate Standing: Conditionally Classified	Candidate is judged by appropriate campus authority to have deficiencies which can be remedied with additional preparation.	Used to strengthen enrollments in programs with available space. This classification is assigned to students who have an admission deficiency which additional preparation might remedy. Programs which are at capacity do not have access to this classification.
Postbaccalaureate Standing: Classified	Candidate satisfies all professional, personal, and scholastic requirement including examinations for admission to a credential program.	This classification is assigned to students who are seeking to earn an initial or advanced credential. Admission interviews, experience, and measures of potential for success may also be used to inform competitive admission decisions.
Postbaccalaureate Standing: Provisionally Classified	Candidate demonstrates strong potential for admission but lacks prerequisites for the program.	This classification, which expires after one term, is assigned to students who program officials believe have strong potential for admission but who need to complete prerequisite course work. There is a clear expectation that students will achieve a higher classification before their Provisional Classification expires. If not, students must reapply to the program and justify their progress. This classification is also assigned to students who are seeking to clear their teaching credential or those who are earning a postbaccalaureate certificate.
Postbaccalaureate Standing: Unclassified	Student seeks to enroll in courses for professional or personal growth.	This classification is assigned to qualified students who are seeking individual courses for personal or professional growth. Students who are attempting to raise a GPA or applying to a second bachelor's degree will be placed in this category.

SPECIAL ADMISSIONS

Early Start Alumni Admission Program

A last-semester senior who is within 9 units of earning a baccalaureate degree may enroll in an upper-division of graduate level course(s) and apply them to an advanced credential or master's degree objective by requesting postbaccalaureate credit during the term in which they intended to graduate. The student must submit a Request for Postbaccalaureate Credit form to the Enrollment Services Office. Approval of the department graduate advisor is required. This action must be taken at the time of registration; retroactive authorization will not be granted. The student must apply to the University and the program for postbaccalaureate work.

Admission of Non-Resident and International Students

The Graduate School seeks to bring students from all parts of the nation and world to the campus. To ensure their success, non-resident and international applicants normally must be eligible for Graduate Standing: Classified status to be admitted to the Graduate School. All other admission classifications for non-residents or international students must be by special action of the program and have approval of the Dean of the Graduate School.

Graduate and Postbaccalaureate TOEFL Requirements

Since English is the language of instruction at the University, students should be prepared to write their theses, examinations, and seminar papers in English. All graduate and postbaccalaureate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English, must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive minimum scores of 550 total and part scores of 54 on the written Test of English as a Foreign Language (TOEFL) or 213 total and part scores of 21 on the computer TOEFL. Some programs require higher scores. Competence in English must be demonstrated before an applicant is considered for admission.

Second Master's Degrees

Students are not permitted to pursue two master's degrees simultaneously. Those wishing to pursue a second master's degree after the award of the first must obtain the approval of the Dean of the Graduate School. Some restrictions apply.

1. Students may not earn a second master's degree in the same field.
2. Coursework used to satisfy the requirements of the first degree may not be used to satisfy the requirements of the second degree.
3. Students may not be awarded two degrees in the same degree-granting period of time.
4. A CSU Stanislaus student seeking to continue academic enrollment following the completion of the master's degree must reapply to the University. The student must submit a new admission application to the University stating the new degree objective. If students seek readmission within one semester of graduation or their last registration, no application fee is required. All of the admissions, prerequisites, and program requirements of a second degree program must be met. Students are urged to contact the appropriate department for additional information.

Second Concentration in a Master's Degree

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

MASTER'S DEGREE PROGRAM REQUIREMENTS

Required Units

The number of units required for a Master's degree varies, depending on the field and the degree sought. The Master of Arts degree must include a minimum of 30 units; the Master of Science, a minimum of 36 units. Only graduate courses (5000 series) and approved upper-division courses are acceptable to meet the unit requirement. Non-5000 courses and unapproved upper-division courses are counted in calculating the student's study load but cannot be counted toward the unit or grade point average requirements for the master's degree.

Residency

A graduate education is a rigorous intellectual endeavor, designed to foster the exchange of ideas and prepare scholars to evaluate and contribute to their field and its body of knowledge. This is best accomplished in a continuing environment of mentoring, collaboration, and ongoing dialogue. Consequently the Master's degree program must include the following:

1. At least 21 units of the graduate program course work must be taken in residency at CSU Stanislaus.
2. No more than 9 units toward the degree may be earned prior to program admission. This includes all transfer work and all work in progress at the time of admission. Exceptions must have prior written approval from the Dean of the Graduate School.
3. No credit by examination units may be used to fulfill degree requirements. Credit by examination may be used to fulfill prerequisites but may not apply toward the degree.
4. Open University, extension and correspondence credits may not be used to meet graduate program requirements without prior authorization by the Dean of the Graduate School. Requests for approval must have the recommendation of the program director before they will be reviewed by the Graduate School. The recommendation of the program director does not guarantee approval by the Dean of the Graduate School.

Rigor

1. At least half of the units must be in courses designed primarily for master's degrees — numbered in the 5000 series. Most programs require more than 15 units of 5000 series course work.
2. Evidence of satisfaction of the Graduate Writing Proficiency Requirement. (See Graduate Writing Proficiency Requirement.)
3. A grade point average of 3.0/4.0 or better in all courses taken to satisfy the requirements of the degree.
4. No grade lower than a C- in a course taken to satisfy the requirements of the degree program. Most programs require no grade lower than a B on courses used to satisfy program requirements.
5. Appropriate course work from a field other than the major may be required at the discretion of the major department.
6. A thesis, a project, or comprehensive examination must be completed and approved by the student's department and the Dean of the Graduate School.

Relevance

1. No course used to meet the requirements of the degree was taken more than seven years prior to the award of the degree. Some programs require that the program be completed in less than seven years. Check with the program for specific details. (For more information see Limitations on the Validation of Expired Courses and Units).

Responsibility

It is the student's responsibility to satisfy requirements and complete the specific courses included in the program. Drafting a program completion plan, setting personal academic goals, and maintaining regular communication with a major advisor are recommended. Once a degree program has been approved by the student's graduate committee, it may be changed only on the written request of the student and the approval of the major advisor and the Dean of the Graduate School. Substitution for discontinued courses will be authorized by the major advisor and approved by the Dean of the Graduate School. Forms for requesting a change to program are available in the Graduate School and on the School's website.

Graduate Writing Proficiency Requirement

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

Foreign Language Requirement

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

SCHOLARSHIP AND EXPECTATIONS OF STUDENTS

Students admitted to postbaccalaureate and graduate programs are expected to make systematic and successful progress towards the completion of their programs. The following policies are designed to assist the student in that endeavor.

Graduate Probation and Disqualification

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

The following policies govern postbaccalaureate and graduate students:

Probation

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

7. A student placed on probation will be notified in writing and will be provided with the conditions to be met for removal from probation, as well as the circumstances which will lead to disqualification.

Disqualification

A graduate or postbaccalaureate classified student will be subject to disqualification if, while on probation, the student fails to raise his/her grade point average to 3.0 within the time specified by the department.

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

Administrative Academic Probation and Disqualification

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

Appeal of Disqualification Status

A student who believes his/her disqualification was arbitrary, capricious, or discriminatory has the right of appeal. The "Postbaccalaureate Standing: Unclassified" student should direct the appeal to the Graduate School. Students admitted to Graduate Standing should direct their appeal to the appropriate department chair. The appeals committee will consist of a faculty member from the department who is selected by the department chair, a faculty member from the department who is selected by the student, and the chair of the appeals committee – a faculty member selected from outside the department by the Dean of the Graduate School.

Professional Ethics

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

Intellectual Honesty

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

Repeating Courses to Improve Performance

A postbaccalaureate student who was admitted to the University as an undergraduate and who is enrolled in an undergraduate degree program will be treated as an undergraduate for purposes of repeating a course. Graduate students, with prior permission of the department, may repeat a course, and the original grade will be included in computing the overall grade point average but will not be included in computing the grade point average for the master's degree.

Graduate Credit for Undergraduate - 4000 Level Courses

On occasion, to provide a breadth of content in a student's graduate program, a 4000 level course is used to satisfy a program requirement. When this occurs, performance expectations for graduate students enrolled in undergraduate or dual-listed courses are adjusted to satisfy the rigors of graduate work. Often, additional reading, writing, and/or oral presentation are employed to meet this standard. In addition, the standard of quality for written and oral performance in the course is significantly higher than that of an undergraduate. When using a 4000 level course to satisfy graduate program requirements, it is the student's responsibility to verify with the instructor and program director that the performance expectations have been adjusted to meet graduate standards. The Instructor Verification Form is used for this purpose and is available at the Graduate School. A copy of the form should be placed in the student's permanent file for later verification when clearing for graduation.

Interruption of Program

A request for a leave of absence is not required by the Graduate School; however, it may be required by the program. Students should consult with the specific graduate program director for individual program policy. If enrollment is interrupted for more than one semester it will be necessary for students to reapply to the University and program.

Continuous Enrollment

Once all course work is completed it is expected that students will maintain continuous enrollment in 7005 Continuing Thesis or Project until all degree requirements have been met. Students must maintain their Graduate Standing: Classified status and be enrolled in graduate course work in order to apply for graduation. If the program is interrupted, reapplication to the Graduate School and program is necessary.

Seven-Year Limit

Consistent with Title 5, of the *California Code of Regulations*, CSU Stanislaus policy specifies that no more than seven consecutive years may be used to complete the requirements for a graduate degree. An extension of time beyond the limit may be granted by appropriate campus authority if warranted by individual circumstances and if the outdated work is validated by examination or such other demonstration of competence as may be prescribed.

At CSU Stanislaus, courses expire at the end of the designated academic term. A table is provided to illustrate course expiration dates.

Sample Course Expiration Dates

<u>Course Taken</u>	<u>Expires - End of Term</u>
Fall 1998	Summer 2005
Winter 1999	Fall 2005
Spring 1999	Winter 2006
Summer 1999	Spring 2006
Fall 1999	Summer 2006
Winter 2000	Fall 2006
Spring 2000	Winter 2007
Summer 2000	Spring 2007
Fall 2000	Summer 2007
Winter 2001	Fall 2007
Spring 2001	Winter 2008
Fall 2001	Summer 2008

Limitations to Validation of Expired Courses or Units

Expired coursework may be validated only if such work has been recommended for validation by the graduate program director and approved by the Dean of the Graduate School. Certain restrictions apply.

- A maximum of one third of all courses used to satisfy program degree requirements are eligible for validation.
- Only courses completed at CSU Stanislaus are eligible for validation. Courses transferred from other universities are never validated.
- Courses completed more than ten years prior to the completion of the requirements for the degree are not eligible for validation.

Requirements for Validating Expired Courses or Units

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

CULMINATING EXPERIENCE

A culminating experience is required for each master's degree. Individual departments permit one or more culminating experiences described in this section. Students who have enrolled in thesis or project units will not be permitted to change to another culminating experience after the initial semester of such enrollment.

1. A thesis is the written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product must evidence originality, critical and independent thinking, appropriate organization and format, clarity of purpose, and accurate and thorough documentation. Normally, an oral defense of the thesis will be required.
2. A project is a significant undertaking of a pursuit appropriate to the fine and applied arts or to professional fields. It must evidence originality and independent thinking, appropriate form and organization, and a rationale. It must be described and summarized in a written abstract that includes the project's significance, objectives, methodology, and a conclusion or recommendation. An oral defense of the project may be required.
3. A comprehensive examination is an assessment of the student's ability to integrate the knowledge of the area, show critical and independent thinking, and demonstrate mastery of the subject matter. The results of the examination must evidence independent thinking, appropriate organization, critical analysis, and accuracy of documentation. A record of the examination questions and responses shall be maintained.

Criteria for the Thesis or Project

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

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

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

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

Procedures for Writing the Thesis or Project

All theses and projects must be written using the format requirements listed in the University guidelines. These guidelines are available on reserve in the Library or on the Graduate School website at www.csustan.edu/graduate_school.

1. Registration for thesis or project requires a prospectus approved by the student's thesis committee. Instructions for developing and gaining prospectus approval are available from the department.
2. A student whose thesis or project is planned to extend over more than the term of first enrollment in 5990 or 5960 may receive only a Satisfactory Progress (SP) grade.
3. Students who have completed all registrations for their graduate course work, and who have registered for the maximum number of thesis or project semester units required by the program, are required to show ongoing progress and maintain continuous enrollment. Course 7005 Continuing Thesis or Project is provided for this purpose. Enrollment in 7005 is required each term: Summer, Fall, Winter, and Spring. Failure to maintain continuous enrollment will result in loss of graduate standing and necessitate reapplication to the Graduate School and program. In addition, students who have not maintained continuous enrollment will not be cleared for graduation.
4. Before a thesis or project is officially accepted by the Master's Committee, it must meet all the requirements outlined in the section titled Criteria for the Thesis or Project.
5. No coauthored theses or projects are allowed. If two or more candidates are collaborating on research or a project, each must develop, write, and submit a separate and distinct thesis or project.
6. Once the thesis or project is accepted by the student's committee, one copy is to be submitted to the Graduate School for reader review by the deadline date established by the Graduate School. Once the reviewed copy is returned to the student and any editing changes requested have been made, two (2) copies of the approved thesis or project are to be submitted to the Graduate School no later than the deadline for final submission. Binding expenses are the student's responsibility. The Enrollment Services Office will not record a grade other than "SP" until the Dean of the Graduate School has given final approval for the thesis or project. Contact the Graduate School for detailed information on the review, approval, and bindery process.
7. Receipt of an approved thesis or project is the equivalent to publication, and the thesis or project will be available to the public in the University library, including worldwide interlibrary loan.
8. A student may arrange to have the thesis or project published in microfilm form, with an abstract of the thesis published in the quarterly periodical, Masters Abstracts. Further details of the microfilming and copyright procedure may be obtained from the University Librarian.

Composition of Thesis or Project Faculty Committee

The following policies are used to determine thesis and project committee membership.

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

5. The approval of master's committee appointments is the responsibility of the department in which the student is seeking the degree.

Research Ethics and Protocol

All research conducted by faculty, staff, or students, or using University facilities, personnel or students must comply with relevant federal, state, and University policies. Failure to follow these policies may lead to an academic misconduct inquiry or may result in student research not being accepted in fulfillment of a degree requirement. Additionally, failure to comply with University requirements means that the researcher is not acting as an employee or student of the University, and he or she will be personally responsible for any legal actions resulting from the research activity. Under University policy, all research involving live human beings as subjects must be reviewed and approved by the Institutional Review Board for the Protection of Human Subjects in Research. This approval must be obtained in writing prior to any data collection (e.g., pilot work, field testing). All research, research training, experimentation, biological testing, teaching, and related activities involving live vertebrate animals conducted at CSU Stanislaus or by CSU Stanislaus students or employees must be reviewed and approved by the Animal Welfare Committee. All research involving radioactive or other hazardous waste materials must be reviewed and approved by the University Risk Management Officer prior to obtaining the materials. Additional information on policy and procedures for conducting research at CSU Stanislaus may be obtained from the Office of Research and Sponsored Programs, (209) 667-3493.

PROGRAM COMPLETION REQUIREMENTS

Students, who since gaining Classified Graduate Standing status have maintained continuous enrollment, may elect to satisfy the degree requirements in effect at the time of gaining Classified Graduate Standing status or at the time of completing their degree requirements.

Applying to Graduate with a Master's Degree

A request that the master's degree be granted must be filed, including verification of payment of the graduation fee, with the Enrollment Services Office within the first two weeks of a semester in which the degree requirements are to be completed. Applications must be filed by March 1 in order for students to be listed in the commencement brochure. Failure to complete requirements for the degree during the term of the application necessitates the filing of a new application for the new intended term of completion.

Qualifying for Honor Recognition at Graduation

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

Applying for the Award of a Graduate Certificate

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

Graduate Student Program Evaluation Survey

Graduating students are asked to complete a Graduate Student Program Evaluation Survey. The information shared in the survey helps the Graduate School and programs monitor the quality of student's experiences in the CSU Stanislaus graduate programs. It also provides valuable data regarding the effectiveness of the School and programs in helping students to achieve the Graduate Student Learning Goals. Results from the survey are completely confidential and are used to assist program assessment and planning.

The Child Development Center

Office: Educational Services Building
(209) 667-3036

Director: Rita Asher

Assistant

Director: Libby Beaver

Administrative Coordinator: Betty Boyer

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 successive 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 16 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 course work and gain experience, they compete for increasingly challenging positions. Those who continue to participate at the CDC gain experience teaching young children, supervising college students, and sharing administrative duties. All Child Development Center staff positions are coordinated with university courses to provide supervised practica. Laboratory and salaried experiences at the Child Development Center are applicable for California Child Development Permits and meet requirements for administrative training for the California Department of Social Services Community Child Care Division. For additional information regarding the internship program, contact Dr. Rita Asher, Director.

The Child Development Center serves children between the ages of 2 months to 5 years. The CDC facility, staff, and programs meet the State guidelines as determined by Title 22 and operate under License #'s 500321740 and 500317738. Children are admitted to the CDC from a waiting list on a first-come first-served basis with enrollment priority given to continuing children in order to maintain the continuity necessary for instruction and research. Priority for enrollment vacancies is given to dependents of CSU Stanislaus students, faculty, and staff during June and July. For additional information regarding the children's programs at the Child Development Center, contact Ms. Libby Beaver, Assistant Director.

Credential Processing Center

College of Education

Office:	Demergasso-Bava Hall 303 (209) 667-3534
Director:	Alice S. Fuentes
Credential Analysts:	Sheri Biasca Cristina Ponce
Administrative Assistant:	Marlys Knutsen

The Credential Processing Center (CPC) in the College of Education serves as the campus liaison to the California Commission on Teacher Credentialing (CCTC) and is the place where education credential matters are handled. The CPC coordinates the dissemination of credential information to campus staff, faculty, students, and to prospective candidates and the general public. In addition, it is a major resource of information about credential requirements and regulations. Individuals seeking out-of-state or out-of-country credential information are advised in the CPC. Teachers who are already credentialed may also obtain up-to-date renewal information at the Credential Processing Center at CSU Stanislaus.

The CPC is responsible for evaluating applications for the Multiple Subject, Single Subject, and Education Specialist credential programs. The CPC is responsible for verifying Subject Matter Preparation Programs (waiver) for students who will attend *another* college or university to complete their credential program. Students working on Emergency Permits obtain their CL-469 verifications from the employing agency. In order to receive a CL-469, students must submit a copy of their Emergency Permit that is being renewed and the CL-469 form. Students should allow ten business days for processing time for both types of verification.

The CPC is responsible for evaluating, verifying, and recommending all basic multiple, single subject, and education specialist teaching credentials. The CPC is also responsible for evaluating, verifying, and recommending all professional clear, advanced, and services credentials. Students applying for the professional clear credential should complete all requirements and submit their application at least six months prior to the expiration of their credentials.

The California Commission on Teacher Credentialing (CCTC) has approved the University's programs leading to the credentials listed below:

Credential	Coordinator	Department
1. Preliminary Administrative Services	C. Jensen	Advanced Studies in Education
2. Crosscultural Language and Academic Development (CLAD) Certificate Program	J. Wink	Teacher Education
3. Education Specialist: Mild/Moderate and Moderate/Severe Disabilities Credential	C. Watkins	Advanced Studies in Education
4. Preliminary Multiple Subject Credential, Crosscultural Language and Academic Development (CLAD)/ Professional Clear Multiple Subject	E. Costa	Teacher Education
Preliminary Multiple Subject Bilingual Crosscultural Language and Academic Development (BCLAD)	E. Costa	Teacher Education
Stockton Center	E. Costa	Teacher Education
5. Pupil Personnel Services: School Counseling	C. Kane	Advanced Studies in Education
6. Reading and Language Arts Specialist	S. Neufeld	Teacher Education
7. Preliminary/Professional Clear Single Subject	M. Salisbury	Teacher Education

College of Arts, Letters, and Sciences

Office: Library Building 165
(209) 667-3531

FAX: (209) 664-7113

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

Interim Dean: June Boffman

Mission of the College of Arts, Letters, and Sciences

The College of Arts, Letters, and Sciences offers instruction in undergraduate and graduate fields which are vital to the mission of the University. Baccalaureate and master's degree instruction is intended to provide graduates with the knowledge and skills needed for their active and informed participation in the community, the nation, the world, and for personal growth. In addition, the College has the major responsibility for the General Education program, which intends to ensure a breadth of education in communication skills and critical reasoning, the sciences, the arts, the humanities, and the social and behavioral sciences.

To fulfill its commitment to quality instruction, the College must:

- Foster excellence in degree programs and in the General Education program, affording all students the opportunity to develop intellectual confidence and to encounter a diversity of ideas, perspectives, cultures, and technologies in their studies.
- Encourage and support the teaching excellence of its faculty and their creative, scholarly, and artistic efforts.
- Support the curricular efforts of students by providing academic and career advising services and extracurricular activities.

School of Fine and Performing Arts

Director Joseph Wigget

Department Chairs:

Anthropology/Geography Michael Schmandt
 Art Gordon Senior
 Biological Sciences Jane Bruner
 Chemistry Shane Phillips
 Communication Studies Marjorie Jaasma
 Computer Science Thomas J. Carter
 Criminal Justice Phyllis Gerstenfeld
 Economics Edward C. Erickson
 English Mark Thompson
 Ethnic/Gender Studies Sari Miller-Antonio
 History Richard Weikart
 Liberal Studies Kathy Shipley
 Mathematics Viji Sundar
 Music Stephen Thomas
 Nursing Nancy Clark
 Philosophy/Modern Languages James A. Tuedio
 Physics/Physical Sciences/ Geology Ian Littlewood
 Politics/Public Administration Jason Myers
 Psychology Gina Pallotta
 Social Work Margaret Tynan
 Sociology Paul W. O'Brien
 Theatre Clay Everett

Programs and Directors or Coordinators:

Agricultural Studies Mark Bender
 Applied Studies Louis A. Feldman
 Bilingual/Cross-Cultural, Southeast
 Asian, Adviser: Chris Vang
 Bilingual/Cross-Cultural, Spanish,
 Adviser: Iris Haapanen
 Child Development Rita Asher
 Cognitive Studies Gina Pallotta
 Criminal Justice, M.A. Peter Nelligan
 Environmental and Resource
 Studies Ida Bowers
 Environmental Sciences Peter Nico
 Gender Studies Betsy Eudey
 Geology Horacio Ferriz
 Geography Michael Schmandt
 Gerontology Walter E. Doraz
 Honors James A. Tuedio, Helena Janes
 International Studies Steven W. Hughes
 Joint Engineering Program Marvin Johnson
 Journalism John R. Sumser
 Latin American Studies Julia Cruz/Alejandro Vallega
 Marine Sciences Pamela Roe
 Multidisciplinary Studies June Boffman
 Public Administration, M.A. April Hejka-Ekins
 Social Sciences James Payne
 Special Major/
 Undergraduate Nancy Clark
 Urban and Community
 Studies Michael Schmandt

College of Business Administration

Office: Demergasso-Bava Hall, DBH 202
(209) 667-3288, (209) 667-3080 Fax

Dean: Amin A. Elmallah
Administrative Assistant to the Dean Connie Bratten

Departments and Chairs:

Accounting and Finance David H. Lindsay
Demergasso-Bava Hall 216 • (209) 667-3671

Computer Information Systems Eleftherios (Al) Tsacle
Demergasso-Bava Hall 212 • (209) 667-3568

Management, Operations, and Marketing Nael A. Aly
Demergasso-Bava Hall 223 • (209) 667-3507

Directors:

Master of Business Administration Program Randall B. Brown
Demergasso-Bava Hall 209 • (209) 667-3280

Master of Science in Business Administration, Finance: International Finance Andrew J. Wagner
Demergasso-Bava Hall 218 • (209) 667-3118

Professional Development Center Amin A. Elmallah
Demergasso-Bava Hall 202 • (209) 667-3288
(Interim)



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. AACSB accreditation 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 one third of the nation’s approximately 1,200 post-secondary business programs have achieved this prestigious 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 DEPARTMENTS AND PROGRAMS

The College of Business Administration is organized into three departments:

The Department of Accounting and Finance
The Department of Computer Information Systems
The Department of Management, Operations, and Marketing

The faculty have established appropriate policies, plans, and processes to ensure continuous improvement. The College goal is to create a learning-centered environment for its students.

The College of Business Administration offers the following degrees:

Bachelor of Science in Business Administration
Bachelor of Science in Computer Information Systems
Master of Business Administration
Master of Science in Business Administration, Finance: International Finance

The College of Business Administration also offers two minors: Business Administration and Computer Information Systems (see section titled “CIS”). See requirement in section titled, “Minor in Business Administration.”

Courses in the Bachelor of Science programs are offered both during the day and in the evening. In addition to course offerings on the campus in Turlock, the College schedules upper-division and graduate courses in the evening at CSU Stanislaus –Stockton.

The Mission

The CSU Stanislaus College of Business Administration is a publicly supported, regional teaching institution. Its mission is to deliver a professional business education that provides students with the knowledge and skills to succeed in the business world and in society.

Publicly-supported institution. The College of Business Administration strives to offer students an accessible, reasonably priced, professional education that empowers people of all ages and backgrounds to transform their lives. Accordingly, the College seeks to maintain an environment dedicated to educating a diverse, multicultural student population. Faculty and staff are provided with resources and an environment focused on accomplishing the mission of the College and pursuing relevant professional development. To the regional community, the College is a talent pool providing faculty and student resources.

Regional institution. The College offers programs that add value primarily to the six-county service area and adjacent communities.

Teaching institution. The College is dedicated to providing an educational environment focused on learning. A smaller MBA degree program also is offered. The College seeks to create and continuously improve its professional business programs by assuring overall quality, relevance, and convenience.

Knowledge and skills to succeed in the business world and in society. The College provides students with the knowledge and skills to formulate, evaluate, and select alternative courses of action that are successful in the work place. It also seeks to foster in students a sense of contributing to society.

The mission of the College of Business Administration is to prepare individuals to be productive, professional employees, managers, and entrepreneurs, who can make responsible decisions in a changing world.

The College strives to:

- Create a student-focused educational environment that emphasizes high quality teaching and learning in business disciplines.
- Enhance and strengthen teaching and learning through applied research and instructional development while recognizing the contribution of basic research.

The Vision

CSU Stanislaus College of Business Administration strives to be increasingly recognized as a business program of choice in the region, and respected as a center of learning guided by caring faculty.

Additionally, it is the vision of the College of Business Administration to be recognized by its stakeholders for preparing self-confident, competent graduates able to perform effectively in a changing environment. At the core of its educational philosophy, the College of Business Administration believes that “self-confident, competent graduates able to perform effectively in a changing environment” are those who exhibit the following capacities:

- (1) the ability to understand and adapt to the forces of change that characterize the organization’s external and internal environments and how they interrelate,
- (2) the ability to formulate, evaluate, and select from among alternative strategies, those courses of action that are responsive to these forces of change, and
- (3) the ability to initiate change and to marshal resources to convert opportunities into reality.

Forces of external change include global, technological, demographic, legal/regulatory, social, economic, political, and physical environments, as well as industry structure and competitive conditions. Forces of internal change include ownership restructures (e.g., private to public and leveraged buy-outs), evolving organizational goals and strategies, structural workplace changes (e.g., organizational structure, resources, core competencies, and job design), people changes (e.g., demographic diversity, personalities, and management styles), leading-edge thinking in functional and cross-functional operations, and new interpretations of the organization’s core values and beliefs.

To prepare self-confident, competent graduates able to perform effectively in a changing environment, the College of Business Administration believes it must develop students’ knowledge and skills in:

- creative and critical thinking,
- applied problem-solving abilities,
- effective communication,
- independent learning and appreciation of lifelong learning,
- mastery of technical knowledge in a functional area of business,
- sensitivity to issues of ethical and social responsibility, and
- awareness of contemporary issues.

The Bachelor of Science, Computer Information Systems

The Department of Computer Information Systems offers the Bachelor of Science, Computer Information Systems degree. 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. Please see the Computer Information Systems section of this catalog for detailed information about the degree requirements.

The Bachelor of Science, Business Administration

The Bachelor of Science, Business Administration provides preparation for careers in business administration. Additionally, the program provides students with (1) a broad, liberal education, (2) a basic understanding of the operation of a business enterprise, (3) an understanding of the environment in which business exists and of which it is a part, (4) proficiency in analyzing, evaluating, and synthesizing managerial decisions, and (5) a degree of specialized training in a selected area.

The business administration degree program has four principle components: (1) English proficiency requirement, (2) prerequisites to the degree, (3) the business administration core, and (4) the concentration.

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 (ENGL 3007 Business and Technical Communication [WP]) 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 during their junior year.

The area of concentration provides the opportunity for specialized study in a selected area of interest. Concentrations currently available are under the degree requirements listed below.

Requirements

1. Complete University general education requirements for the Bachelor of Science degree (51 units minimum).
2. Satisfy the College's requirement for proficiency in English.
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 course work 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 for enrollment. Students must complete all specified prerequisites (or their equivalents) in order to qualify for enrollment in these courses. Students who have not successfully completed the specified prerequisites for a course, but 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 (24 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
 - CIS 2700 Management Information Systems, 3 units
 - ECON 2500, 2510 Principles of Macroeconomics and Microeconomics, 6 units
 - MATH 1500 Finite Mathematics, 3 units
 - MATH 1610 Statistics for Decision Making, 3 units
2. Complete the English Proficiency Requirement, 3 units:
 - ENGL 3007 Business and Technical Communication (WP), 3 units
3. Complete 21 units of course work in the business administration core with a letter grade of C– or better in each course:
 - 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 Basic Marketing, 3 units
 - OM 3010 Operations Management, 3 units
 - OM 3020 Management Science, 3 units

The Concentrations

The departments of the College provide the following concentrations:

- Accounting
- Finance
- General Business
- Management
- Marketing
- Operations Management

Requirements for these concentrations are defined in each of the following sections.

Course Descriptions

Please refer to description of courses listed under the Accounting, Finance, General Business, Computer Information Systems, Management, Marketing, and Operations Management sections of this catalog.

Minor in Business Administration

Requirements (33 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
 CIS 2700 Management Information Systems, 3 units
 ECON 2500, 2510 Principles of Macroeconomics and
 Microeconomics, 6 units
 MATH 1500 Finite Mathematics, 3 units
 MATH 1610 Statistics for Decision Making, 3 units

2. Complete the following required courses (12 units) with a letter grade of C– or better in each course:

FIN 3220 Business Finance, 3 units
 MGT 3310 Management Theory and Practice, 3 units
 MKT 3410 Basic Marketing, 3 units
 OM 3020 Management Science, 3 units

Note: Students from the College of Arts, Letters, and Sciences and from the College of Education who are seeking a Minor in Business Administration should take no more than 25% of their total units in the College.

Bachelor of Arts/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 450 or more 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.

Master of Business Administration

Demergasso-Bava Hall 209 (In the Dean's Suite DBH 202)

Director: **Randall B. Brown**

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 see the Master of Business Administration section of the catalog for detailed information about the degree requirements.

Master of Science in Business Administration, Finance: International Finance

Demergasso-Bava Hall 218

Director: **Andrew J. Wagner**

Email: **awagner@csustan.edu**

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 see the Master of Science in Business Administration, Finance: International Finance section of the catalog for detailed information about the degree requirements.

College of Education

Office: Demergasso-Bava Hall 301
(209) 667-3652

Dean: Mildred Murray-Ward

Departments and Chairs:

Advanced Studies in Education Dawn Poole
Physical Education and Health J. Sue Fletcher
Teacher Education Pamela Russ

Program Coordinators:

Administrative Services Credentials..... Chet Jensen
 Crosscultural, Language, and Academic
 Development (CLAD) Certificate Program..... Ramon Vega de Jesus
 Education Specialist: Mild/Moderate Disabilities and
 Moderate/Severe Disabilities Credentials Cathy Watkins

Multiple Subject Credential CLAD Elmano Costa
Multiple Subject Credential Bilingual CLAD (BCLAD)..... Elmano Costa

Pupil Personnel Services Credential Connie Kane
Reading/Language Arts Specialist Credential Susan Neufeld
Single Subject Credential Mary Salisbury
Director of Credentials Processing Alice Fuentes

Degrees Offered:

- Bachelor of Arts in Physical Education
- Bachelor of Arts in Vocational Education
- Master of Arts in Education with an emphasis in one of the following areas:

Educational Technology	Curriculum & Instruction: Elementary Education
School Administration	Curriculum & Instruction: Multilingual Education
School Counseling	Curriculum & Instruction: Reading
Special Education	Curriculum & Instruction: Secondary Education
Physical Education	

Purpose

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). At the graduate level, the Master of Arts in Education is designed for educators who wish advanced study in curriculum and instruction, administration, counseling, special education, educational technology, or physical education. It is also possible to pursue an advanced credential in conjunction with a master's degree.

The programs of the College of Education have achieved distinction through accreditation at the national level by the National Council for Accreditation of Teacher Education (NCATE), at the regional level by the Western Association of Schools and Colleges (WASC), and at the state level by the CCTC.

Disabled Students Policy

Disabled students, who may need to have academic adjustments, will be evaluated on a case-by-case basis. Appropriate academic adjustments will be agreed upon by the Director of Disabilities Resource Services, related program professionals, and the student prior to course work and placement in field work. Academic adjustments refer to adaptations for a professionally verified disabled student as related to supportive services. Such adjustment does not refer to a variance of academic and technical standards requisite for the issuance of a credential.

Students are responsible for initiating the process. A copy of the Policy and Procedures for Disabled Students of the College of Education is available from your program coordinator or the departmental office.

School of Fine and Performing Arts

College of Arts, Letters, and Sciences

Office: Library Building 101
(209) 667-3876

E-mail: ddubay@csustan.edu

FAX: (209) 667-3782

Website: <http://www.csustan.edu/sofapa/>

Director: Joseph Wiggett

Coordinator: Danielle DuBay

In the fall of 1999, CSU Stanislaus marked the opening of the School of Fine and Performing Arts within the College of Arts, Letters, and Sciences. Composed of the departments of Art, Music, and Theatre, the School of Fine and Performing Arts is founded on the premise that the arts are central to the human spirit and to intellectual and social life. The School 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 School also is designed to serve as a center for cultural and artistic activity for the region.

The mission of the School of Fine and Performing Arts is

- to develop artistic talent and build foundations of knowledge regarding the arts;
- to develop citizens committed to social responsibility who understand and advocate the role of the artist in society;
- to meet the diverse needs of students who wish to incorporate the arts into their professional and personal goals; and
- to develop and integrate interdisciplinary programs and modes of learning.

Faculty work on an international stage and bring their wealth of experience and connections to their field into the classroom, studio, and rehearsal hall. Not only are they gifted artists in their disciplines, but also dedicated teachers who share a common vision of how the arts can shape the minds of our students.

Degrees Offered:

Bachelor of Arts in Art, Music, and Theatre Arts
Bachelor of Fine Arts, Art
Bachelor of Music

Course Descriptions

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.

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. These courses are open only to qualified graduate students. (Last-semester seniors within 9 semester units of graduation may enroll for postbaccalaureate credit after obtaining written approval.)
- 6000–6999.....Professional postbaccalaureate courses. These courses do not substitute for course credit in a credential sequence and will not be applied toward General Education, major, minor, or elective requirements for the bachelor's degree.
- 7000-7999Noncredit courses. These courses are not applicable to baccalaureate or advanced degrees, or to a credential program.
- 8000-8999Extended 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 2005-2006. Please check the Schedule of Classes and with department offices for further information about course availability.

Accounting

College of Business Administration

Office: Demergasso-Bava Hall Room 216
(209) 667-3671, (209) 667-3042 Fax

Chair: David H. Lindsay

Faculty: Annhenrie Campbell, Steven M. Filling, Don E. Garner, Lynn A. Johnson, David H. Lindsay,
Kim B. Tan

Emeritus Faculty: David O. Jenkins, Robert Van Regenmorter

CAREER OPPORTUNITIES

Public Accountant: Auditing, Tax Planning and Compliance, Management Advisory Services, Personal Financial Planning

Industrial Accounting: Controllership, Cost Accounting, Internal Auditing

Governmental Accounting: Federal and State Income Tax Agencies, Boards of Equalization, Audit Agencies

Accounting Concentration

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 requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration major.
3. Complete ACC 3125 Accounting Research and Communication (WP)
4. Complete the business administration core.
5. Complete the concentration.

The Concentration (28 units)

1. 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 student must earn a 2.0 grade point average in all courses required for the Accounting concentration.

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 (Topics to be specified in Class Schedule) (1–4 units).

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 or 5070. (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 current quantitative techniques. **Prerequisites:** ACC 2130 or 5110; 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 two paired 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 (Topics to be specified in Class Schedule) (1–4 units).

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.

Graduate

ACC 5070 Principles of Accounting (3 units).

The principles, concepts, and conventions employed in measuring business transactions and analyzing, interpreting, and reporting results to management and other users of financial information.

ACC 5110 Management Accounting (3 units).

The application of managerial accounting techniques and procedures to the solution of managerial problems in all functional areas of business. **Prerequisite:** ACC 5070.

ACC 5145 Business and Investment Tax Planning (3 units).

A study of the tax factors related to business and investment decisions. The emphasis is on the role of tax planning in maximizing after-tax return. **Prerequisite:** ACC 5110 or equivalent.

ACC 5940 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 5950 Selected Topics in Accounting (Topics to be specified in Class Schedule) (1–4 units).

Innovative course of study. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

ACC 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements.

ACC 5980 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.

ACC 5990 Graduate Thesis (3 units).

This enrollment involves individual consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Business Law: 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)

Business Law: 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)

Business Law: Graduate**BLW 5190 International Legal Environment of Business (3 units).**

The impact of different legal environments on international business operations; civil versus common law, international taxation issues; legal safeguards for intellectual property rights; legal restrictions governing the transfer of funds, foreign investment laws, antitrust laws. **Prerequisites:** All MBA foundation courses.

Advanced Studies in Education

College of Education

Office: Demergasso-Bava Hall 348
(209) 667-3364

Chair: Dawn M. Poole

Faculty: John A. Borba, Diana Demetrulias*, Granger Dinwiddie, Chet Jensen, Connie M. Kane, Fan-Yu Lin, Mira Mayer, Oddmund Myhre, Dawn M. Poole, Karen M. Sniezek, Cathy L. Watkins

Emeritus Faculty: Tod Anton, Jane Diekman*, Jack A. Graves*, Charles C. Hanna*, R. J. Moriconi*, Haig A. Rushdoony*, William G. Webster*, Roy Y. Yasui*

Note: Asterisks indicate faculty with joint appointments in the Department of Teacher Education.

CAREER OPPORTUNITIES

School Administration: Assistant Principal, Principal, Program Specialist, Program Manager, Superintendent, Assistant Superintendent, Director, Dean, Consultant.

Special Education: Resource Specialist, Special Education Teacher.

School Counseling: EOP Counselor, Academic Advisor at a university, Group Home Counselor, Career Counselor, School Counselor, Community College Counselor, Vocational Counselor.

Educational Technology: Computer Technology Specialist/Coordinator, Technology Mentor, Classroom Teacher.

The Department of Advanced Studies in Education offers graduate programs leading to a Master of Arts degree in Education, with concentrations in school administration, school counseling, educational technology, and special education. Students interested in graduate degree programs may obtain information from the Department Office (DBH 348), or the Graduate School (MSR 160).

Also available are professional programs which prepare candidates for advanced credentials in school administration, school counseling, and the special education areas of mild/moderate and moderate/severe disabilities. These professional programs are designed to help students achieve basic competencies essential to effective performance within the range of services authorized. Students interested in these advanced credential programs may obtain information from the Department Office (DBH 348).

All advanced credential programs are presently approved by the California Commission on Teacher Credentialing in fulfillment of certification regulations. The California State Board of Education and the Commission are empowered to change advanced credential requirements without prior notice. The University will make changes in programs leading to advanced credentials whenever revisions are required by the State of California, California Administrative Code, Title 5, Education or other official notifications from the State Board or the Commission.

Graduate Studies in the Department of Advanced Studies

M.A. Area	Advanced Credential	Coordinator	Phone
School Administration	Preliminary Administrative Services Intern Administrative Services	Chet Jensen (DBH 357)	(209) 667-3475 or 3364
School Counseling	Pupil Personnel Services	Connie M. Kane (DBH 345)	(209) 667-3503 or 3364
Special Education	Education Specialist: Mild/Moderate Disabilities Moderate/Severe Disabilities	Cathy L. Watkins (DBH 358)	(209) 667-3578 or 3364
Educational Technology	Supplemental Authorization in Computer Concepts and Applications	Dawn Poole (DBH 348A)	(209) 667-3495 or 3364
Graduate Certificate Program	Community College Leadership	John A. Borba (DBH 356)	(209) 667-3260 or 3364

Department website: www.csustan.edu/advstd/advst.html

Master of Arts Degree

The Department of Advanced Studies in Education offers a Master of Arts degree in Education with an emphasis in one of these areas:

- Educational Technology
- School Administration
- School Counseling
- Special Education

Prerequisites

To be considered for admission to the M.A. program, the applicant must:

1. Possess a baccalaureate degree.
2. Obtain a total score of at least 100 using the following formula for grade point average (GPA), based on the last 60 units of college/university course work, and the Miller Analogies Test (MAT) $GPA \times 20 + MAT \text{ score} = \text{total score}$.
For example, a student with a GPA of 3.0 and an MAT score of 40 would qualify for admission with a total score of 100 ($3.0 \times 20 + 40 = 100$).
3. Possess an appropriate valid basic teaching/service credential if applying for study in the area of School Administration or Educational Technology. School counseling emphasis requires appropriate experience with youth. Special Education requires a valid Preliminary Level I Education Specialist Credential.

Application Classifications

The student applying for the M.A. program may be placed in one of four classifications:

1. **Postbaccalaureate Standing: Unclassified**
(Permits one to enroll in classes only as specified by program).
To be admitted to Postbaccalaureate Standing: Unclassified, the applicant must:
 - a. Complete the University Admission form.
 - b. Meet CSU Stanislaus admission requirements.
2. **Graduate Standing: Provisionally Classified**
(Permits one to enroll in classes to fulfill program prerequisites; valid for either one semester or one year as indicated by the admission letter.)
To be admitted to Graduate Standing: Provisionally Classified, the applicant must:
 - a. Complete the University Admission form.
 - b. Meet CSU Stanislaus admission requirements.
3. **Graduate Standing: Conditionally Classified**
(Status must change to "Classified" within one calendar year.)
For students to be admitted to Graduate Standing: Conditionally Classified, the applicant must:
 - a. Submit proof of a score of 41 or higher on the CBEST writing section.
 - b. Show evidence of a valid teaching or service credential.
 - c. Obtain 3.0 a GPA in the last 60 units of course work completed.
4. **Graduate Standing: Classified**
(Admission to the M.A. program is granted).
To move to Graduate Standing: Classified, the applicant must:
 - a. Submit all of the documents listed under Conditionally Classified status.
 - b. Submit letters of recommendation. (Check with the specific program coordinator for the exact number required.)
 - c. Submit Miller Analogies Test score, or GRE for Educational Technology.
 - d. Meet any other additional requirements as specified in each M.A. area.
 - e. Have program file evaluated by the program coordinator. (This will be done automatically after submission of documents; notification of admission status from the area coordinator will follow.)

General Information

1. **Course Work Requirements** - No more than nine semester units of course work completed in Postbaccalaureate Standing: Unclassified may be applied to a Master's degree. The total number of units, as well as specific courses required, vary with each area of emphasis of the M.A. in Education. (See the specific area coordinator for requirements.)
2. **Graduate Requirements** - The minimum academic grade point average for earning the M.A. degree is 3.0. The minimum acceptable grade for courses included in the M.A. program is a C. In the School Administration Program, a student earning a grade of C is considered to be on probation; on earning a second C, the candidate will be disqualified.
3. **Final Requirements** - The M.A. in Education degree requires the successful completion of all course work, approval of a written project or thesis, and passing of an oral examination. After all requirements have been met, the student will be awarded the M.A. degree.
4. **Class Scheduling** - Courses are scheduled in the late afternoon and evening to enable employed individuals to enroll in classes. *Note: Early registration is strongly recommended. Limits are placed on class size; consequently, enrollment is not guaranteed.*

School Administration Emphasis (34 units)

Coordinator: Chet Jensen

Program Courses

- EDAD 5810 Curriculum Planning, Supervision, and Work Experience Project, 5 units
- EDAD 5820 Educational Leadership, Personnel Management and Work Experience Project, 5 units
- EDAD 5830 Principalship, School Management, and Work Experience Project, 5 units
- EDAD 5840 Seminar: School Finance and School Law, 4 units
- EDAD 5850 School Governance, Politics, Community Relations, and Work Experience Project, 5 units

Graduate Core Courses

- EDGS 5510 Introduction to Educational Research, 3 units
- EDGS 5600 Qualitative Research in Education, 3 units
- EDGS 5610 Quantitative Research in Education, 3 units
- EDGS 5960 Project (1 unit) or EDGS 5990 Thesis (1 unit)

Note: See Course Description for EDGS 7005 for required Project/Thesis continued enrollment.

School Counseling Emphasis (37-39 units)

Coordinator: Connie Kane

Program Courses

- EDCL 5570 Counseling and Guidance Education, 3 units
- EDCL 5600 Family Counseling and Community Resources, 3 units
- EDCL 5610 Educational and Occupational Information, 3 units
- EDCL 5640 The Counselor, 3 units
- EDCL 5650 School Group Guidance and Counseling Techniques, 3 units
- EDCL 5940 Field Work: School Counseling, 3 units

Graduate Core Courses

- EDGS 5500 Foundations in Education, 3 units
- EDGS 5510 Introduction to Educational Research, 3 units
- EDGS 5600 Qualitative Research in Education, 3 units **or**
- EDGS 5610 Quantitative Research in Education, 3 units
- EDGS 5960 Project, 4-6 units (2+2+2)
- EDGS 5990 Thesis, 4-6 units (2+2+2)

Note: See Course Description for EDGS 7005 for required Project/Thesis continued enrollment.

Electives

Two courses from the following:

- EDCL 5530 Testing in Education, 3 units
- EDCL 5540 Counseling Exceptional Children and At-Risk Youth, 3 units
- EDCL 5630 Dealing with Differences in Education, 3 units
- EDCL 5770 College Counseling, 3 units

Special Education Emphasis (30 units)

Coordinator: Cathy Watkins

Program Courses

- EDSE 5220 Advanced Studies in Positive Behavior Support, 3 units
- EDSE 5230 Advanced Studies in Curriculum, Assessment, and Program Planning, 3 units
- EDSE 5440 Advanced Seminar in Teaching Students with Moderate/Severe Disabilities, 3 units
- EDSE 5450 Advanced Seminar in Teaching Students with Mild/Moderate Disabilities, 3 units

Elective: One advanced level university course in a specific area of emphasis, 3 units. (The course must be pre-approved by the program coordinator.)

Graduate Core Courses

- EDGS 5500 Foundations in Education, 3 units
- EDGS 5510 Introduction to Educational Research, 3 units
- EDGS 5610 Quantitative Research in Education, 3 units
- EDGS 5990 Thesis, 3 + 3 units

Note: See Course Description for EDGS 7005 for required Project/Thesis continued enrollment.

Educational Technology Program (32 units)

Coordinator: Dawn Poole

Supplementary Authorization in Computer Concepts and Applications

The California Commission on Teacher Credentialing offers a supplementary authorization in Computer Concepts and Applications. This authorization allows holders of a Single Subject, Standard Secondary, or Special Secondary Teaching Credential to teach computer-based classes at any grade level (preschool, kindergarten, grades 1-12, and classes organized primarily for adults). This authorization allows holders of a Multiple Subject or Standard Elementary Teaching Credential to teach computer-based classes in grades 9 and below.

In order to obtain this supplementary authorization, it is necessary to earn a grade of C or higher in 20 semester units (or 10 upper-division semester units) of non-remedial course work that covers the following three areas: Software Evaluation and Selection, Hardware Operation and Functions, and Classroom Uses of Computers. The balance of the semester units may be achieved in any course dealing with computer concepts and applications. EDIT 4170, 4600, 4650, 4710, and 4720 can be used to satisfy partially requirements of this authorization. Additional course work can be taken from Computer Science, Cognitive Studies, or Educational Technology. Contact the Educational Technology Program Coordinator for advisement.

M.A. in Education with Emphasis in Educational Technology

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

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

Program Courses

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

Electives

3 to 8 units of electives, selected from 5000-level course work. Courses must be approved by the program coordinator.

Graduate Core Courses

- EDGS 5500 Foundations in Education, 3 units
- EDGS 5510 Introduction to Educational Research, 3 units
- EDGS 5600 Qualitative Research in Education, 3 units **or**
- EDGS 5610 Quantitative Research in Education, 3 units
- EDGS 5960 Project, 1-3 units (may be repeated once), **or**
- EDGS 5990 Thesis, 1-3 units (may be repeated once)

Note: See Course Description for EDGS 7005 for required Project/Thesis continued enrollment.

Advanced Credentials

The following advanced credentials may be completed independent of or in conjunction with the Master of Arts degree, as noted:

- Preliminary Administrative Services Credential
- Intern Administrative Services Credential
- Pupil Personnel Services Credential (School Counseling; combined with MA only)
- Preliminary Level I Education Specialist Credential
- Professional Level II Education Specialist Credential

Note: Frequently, students obtain an advanced credential and the M.A. degree (especially in School Administration since school districts may require both the M.A. and the advanced credential of its administrators). When seeking the advanced credential in conjunction with the M.A. degree, the student is subject to the regulations described previously, as well as those which follow. When seeking an advanced credential only, the student is subject to the following regulations:

Prerequisites

To be considered for admission to an advanced credential program, the applicant must:

1. Possess a baccalaureate degree.
2. Have earned at least a 2.75 GPA in the last 60 units earned.
3. Possess a valid teaching or service credential, except for the Pupil Personnel Services Credential Program or Level I Education Specialist Credential Program.

Application Procedures

To apply for admission and become fully admitted to an advanced credential program, the applicant must:

1. Complete the University Admission form including required transcripts of college/university course work of the last 60 units.
2. Submit program application and receipt for program application fee to the Department of Advanced Studies in Education Office (DBH 348).
3. Submit letters of recommendation to the Department of Advanced Studies in Education Office (DBH 348). (Check with the specific advanced credential program coordinator for the exact number required.)
4. Submit test scores (e.g., CBEST, MAT), as required by the specific advanced credential program, to the Department of Advanced Studies (DBH 348).
5. Submit proof of valid teaching or service credential to the Department of Advanced Studies in Education (DBH 348), if required.
6. Participate in an interview and/or have the program file evaluated by a credential program committee, depending on the requirements of the specific credential program.

Admission Classifications

The student applying only for a credential program will be placed in the following classifications:

1. **Postbaccalaureate Standing: Unclassified**
(Permits one to enroll in classes as specified by program.)
To be admitted to Postbaccalaureate Standing: Unclassified, the applicant must:
 - a. Complete the University Admission form.
 - b. Meet CSU Stanislaus admission requirements.
2. **Postbaccalaureate Standing: Classified**
Only admitted "classified" if fully admitted to the MA program.
(See MA requirements in previous section.)

General Information

1. **Grade Requirements:** Students seeking an advanced credential are expected to maintain a GPA of 3.0 while in the program. The minimum acceptable grade for a credential course is a C. In the School Administration Program, a student earning a grade of C is considered to be on probation; on earning a second C, the candidate will be disqualified.
2. **Final Requirements:** To obtain the required recommendation for the advanced credential from CSU Stanislaus, the student must:
 - a. Complete all of the course work required in the advanced credential program.

- b. Demonstrate competency in the knowledge and skill areas of the program.
- c. Maintain a minimum overall GPA of 3.0 for all course work required for the credential.
- d. Submit a completed application form for the credential with a cashier's check or money order to the Credentials Processing Center (DBH 303).
- e. Be recommended for the credential by the coordinator of the appropriate advanced credential program.

3. **Class Scheduling:** Courses are scheduled in the late afternoon and evening to enable employed individuals to enroll in classes.

Note: Early registration is strongly recommended. Limits are placed on class size; consequently, enrollment is not guaranteed.

Administrative Services Credentials Preliminary and Intern

Coordinator: Chet Jensen

The Preliminary Administrative Services Credential Program

This is a competency-based program designed to prepare students for their initial administrative assignments. In addition to the requirements listed earlier, the applicant to this program must have successfully completed two years of teaching or appropriate education experience. Upon completion of the Preliminary Credential Program, students will be issued a Certificate of Eligibility which will allow them to seek employment in an administrative position. When administrative employment is attained, the credential is received, and the holder must meet the requirements for the Professional Administrative Services Credential within five years.

Requirements (24 units)

1. Complete the following courses (24 units):
 - EDAD 5810 Curriculum Planning, Supervision, and Work Experience Project, 5 units
 - EDAD 5820 Educational Leadership, Personnel Management, and Work Experience Project, 5 units
 - EDAD 5830 Principalship, School Management, and Work Experience Project, 5 units
 - EDAD 5840 Seminar: School Finance and School Law, 4 units
 - EDAD 5850 School Governance, Politics, Community Relations, and Work Experience Project, 5 units

The Intern Administrative Services Credential Program

The Intern Administrative Services Credential Program allows school districts to appoint persons in administrative positions before they have completed the Preliminary Administrative Services Credential Program. This position shall be for at least one semester. In addition to the requirements listed earlier, the applicant to this program must have successfully completed three years of teaching or appropriate educational experience. The intern is supervised by both the University EDAD faculty and the school district of employment and continues the course work at the University as required for the Preliminary Administrative Services Credential. The Internship credential is usually issued for a two-year period; thus the intern must complete the approved institutional program within a two-year period or the period authorized by the internship credential. (For additional information and program course work advisement, the applicant is asked to contact the program coordinator.)

Graduate Certificate Program in Community College Leadership

Coordinator: John Borba

The Community College Leadership program is a University professional preparation program that provides an exciting and challenging opportunity for individuals who wish to pursue career paths in community college administration. The award of a graduate certificate will be made upon completion of the program requirements.

Program Courses (15 units)

- EDAD 5001 Community College Leadership Seminar, 4 units (1+1+1+1)
- EDAD 5002 Human Resources in the Community College, 2 units
- EDAD 5003 Community College Resource Development, 1 unit
- EDAD 5004 Community College Finance, 2 units
- EDAD 5005 Technology in the Community College, 2 units
- EDAD 5006 Community College Students and Instructional Services, 2 units
- EDAD 5007 Field Experience in Community College, 2 units (1+1)

Education Specialist Credentials: Mild/Moderate Disabilities Moderate/Severe Disabilities

Coordinator: Cathy L. Watkins

California State University, Stanislaus is authorized to recommend individuals for Education Specialist Credentials in two areas: Mild/Moderate Disabilities and Moderate/Severe Disabilities. The Level I programs prepare individuals to perform responsibilities of entry-level special education teachers. When a graduate of the Level I program obtains a special education position, an application is filed with the California Commission on Teacher Credentialing and the Preliminary Level I Education Specialist Credential is issued. This credential is valid for five years while Level II preparation is completed.

It is recommended that undergraduates seeking admission to the Education Specialist Preliminary Level I Credential enroll in the Liberal Studies major with a concentration in Exceptional Children and Youth.

Note: A prerequisite teaching credential, Multiple or Single Subject, is not required to obtain the Special Credential.

Preliminary Level I: Education Specialist Credentials: Mild/Moderate Disabilities and Moderate/Severe Disabilities

The following is a sequence of steps to obtain an Education Specialist Preliminary Level I Credential: Mild/Moderate and Moderate/Severe Disabilities. **The admission forms and a full description of the documentation and the course work requirements are included in the Specialist Education Level I Credential Handbook.**

Courses preceded by one (√) are **requirements** and two (√√) are **electives** in the undergraduate concentration *Exceptional Children and Youth*.

1. Pass CBEST and complete the following courses with a grade of B or better:
 - √ PSYC/CDEV 3140 Human Development I: Childhood, 3 units **or**
 - √ PSYC 3240 Human Development II: Adolescence, 3 units
 - √ EDSE 4310 Introduction to Special Education, 3 units
 - √ EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units **or**
 - √ EDSE/PSYC 4560 Theory of Instructional Design, 3 units

2. Submit a completed application to the Department of Advanced Studies in Education, DBH 348 and participate in the Admission Interview.
3. If a “*Conditional*” offer of admission is made, complete the following courses with grades of “B” or better.
 - √ EDMS 4100 Foundations of Education in a Diverse Society, 3 units, **or**
 - √ EDSE 4330 Communication and Social Skills, 3 units
 - √ EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units, **or**
 - √ EDSE/PSYC 4560 Theory of Instructional Design, 3 units
 - √√ EDSE/PSYC 4750 Applied Behavior in the Classroom, 3 units
4. Admission status is changed from “*Conditional*” to “*Full*” when the preceding course work **and** the following requirements are completed:
 - a. Subject Matter Competence: Pass one of the following:
 1. CCTC-approved examination for the elementary level (CSET Multiple Subject exam) or middle and secondary level (CSET Single Subject exam) **or**
 2. Complete a CCTC Subject Matter Preparation program.
 - b. The GPA requirement. (2.67 in all baccalaureate and postbaccalaureate course work or GPA of at least 2.75 in the last 60 units; 3.0 in all EDSE/PSYC course work.)
5. Complete the following courses with grades of “B” or better. Full admission to the program is required to enroll in the courses:
 - EDSE 4110 Reading and Language Arts in General Education, 2 units
 - EDSE 4210 Reading and Language Arts in Special Education, 3 units
 - EDMS 4121 Mathematics Methods, 3 units
 - EDSE 4430 Assessment of Students with Disabilities, 3 units
6. Complete credential-specific course work with a grade of B or better.

Mild/Moderate Disabilities:

- EDSE 4450 Teaching Students with Mild to Moderate Disabilities, 3 units
- EDMS 4191 Student Teaching Practicum II, 5 units
- EDSE 4898 Student Teaching Seminar: Consultation and Collaboration: Mild to Moderate Disabilities, 2 units
- EDSE 4815 Special Education Student Teaching: Mild to Moderate Disabilities, 5 units

Moderate/Severe Disabilities:

- EDSE 4440 Teaching Students with Moderate and Severe Disabilities, 3 units
- EDMS 4191 Student Teaching Practicum II, 5 units
- EDSE 4816 Special Education Student Teaching: Moderate to Severe Disabilities, 5 units
- EDSE 4798 Student Teaching Seminar: Consultation and Collaboration: Moderate to Severe Disabilities, 2 units

Note: Candidates who possess a valid MSCP or a SSCP are not required to complete EDMC 4815 if they seek the Special Education Credential only.

Admission Requirements

1. Students must be admitted to the University as an undergraduate or post-baccalaureate student.
2. Complete an application for admission to the Preliminary Level I Credential Program. The application packet is available online at www.csustan.edu/advstd/specialed or in the Advanced Studies office, DBH 348. Refer to the application packet for application deadlines, admission criteria during the year of application and acceptance, and any additional requirements.

3. Minimum GPA 2.67 in all baccalaureate and postbaccalaureate course work, 2.75 in last 60 units and 3.0 in all EDSE courses. Written requests for exceptions to the GPA criteria must be included in the student's application to the program.
4. Complete an upper division writing course (listed as WP in the CSU Course Catalog) or pass an equivalent test or submit a verifiable score of 41 or higher on the writing portion of CBEST.
5. Complete PSCI 1201, American Government, or an equivalent course that fulfills the U.S. Constitution requirement.
6. Pass CBEST *before* applying for admission to the program.
7. File a Certificate of Clearance with the application to the program.
8. Verification of Early Field Experience. All candidates must complete 45 hours of documented field experience in K-12 classrooms.
9. Subject Matter Requirements for the Level I Education Specialist Credentials may be met by passing the CSET Multiple Subjects or completing a CTC-approved Single Subject waiver program or passing CTC-approved CSET Single Subject exam.
2. Complete the appropriate specialized course:
EDSE 5440 Advanced Seminar in Teaching Students with Moderate/Severe Disabilities, 3 units or
EDSE 5450 Advanced Seminar in Teaching Students with Mild/Moderate Disabilities, 3 units
3. Elective options for the Professional Credential Induction Plan (6 units total)*
EDSE 5947 Fieldwork: Mild/Moderate Disabilities, 3 units (May be repeated for a total of 6 units)
EDSE 5948 Fieldwork: Moderate/Severe Disabilities, 3 units (May be repeated for a total of 6 units)
Advanced level course work in the candidate's area of specific emphasis (6 units); may include up to 3 units of approved non-university activities)

**All options must be pre-approved in writing by the program faculty and specified on the Professional Credential Induction Plan.*

Pupil Personnel Services Credential: School Counseling and M.A. in School Counseling (combined program)

Coordinator: Connie Kane

The PPS Credential is required for counselors in the K-12 setting. The program is designed so that students, upon completion of the program, will qualify for a PPS credential and a Master of Arts in Education degree. This program is designed for teachers and other professionals who already have experience working with children and youth. The following requirements adhere to the Standards of Quality and Effectiveness for Pupil Personnel Services Credentials in School Counseling that were adopted by the California Commission on Teacher Credentialing in January 2001. All courses offer post-baccalaureate credit and are applied toward the Master of Arts in Education.

To be considered for admission to the PPS Credential/MA School Counseling Program, applicants must:

1. Possess a baccalaureate degree.
2. Be admitted to the University as Postbaccalaureate standing: Unclassified.
3. Have a grade point average of at least 2.75 in the last 60 semester units earned.
4. Have a combined score of 100 using a weighted score of the grade point average (GPA) obtained during the last 60 semester units, and the Miller Analogies Test (MAT). Admissibility will be assessed by multiplying the student's GPA by 20 and adding the MAT Raw score. A total weighted score of 100 is required for admission. For example:
 $3.0 \text{ GPA} \times 20 = 60 + 40 \text{ MAT} = 100$ (Admissible)
 $3.2 \text{ GPA} \times 20 = 64 + 36 \text{ MAT} = 100$ (Admissible)
Submit Miller Analogies Test score with the application for First Interview.
5. Successfully pass the California Single Subject Assessments for Teaching Educational Technology exam, or complete EDIT 4170* with a grade of B or better.
6. Pass the CBEST with a minimum score of 41 on the writing portion. CBEST verification with writing score must be submitted to the Advanced Studies Department with the Application for First Interview.
7. Submit a Certificate of Clearance (or valid California Teaching/Service Credential or Substitute Permit) with the Application for First Interview.
8. Submit three (3) letters of recommendation with the Application for First Interview.
9. Pay application fee at Cashier's Office. Submit Application for First Interview form with payment receipt to the Advanced Studies Office (DBH 348).
10. Participate in First Interview.

Recommendation for the Preliminary Level I Education Specialist Credential

The student will be recommended by CSU Stanislaus for the Preliminary Level I Education Specialist Credential upon satisfactory completion of the following:

1. All Level I program requirements with grades of B or better.
2. Verification of baccalaureate degree.
3. Passing score on the Reading Instruction Competency Assessment (RICA) (effective January 2000).
4. Satisfactory performance on exit interview. The Preliminary credential is valid for five years, while Professional Level II preparation is completed.

Recommendation for the MSCP CLAD

Students in the Mild/Moderate Disabilities Credential Program are encouraged to complete the requirements for the Multiple Subjects Credential. Students with an Education Specialist Level I Credential: Mild/Moderate Disabilities will be recommended for the Multiple Subjects Credential upon verification of Subject Matter Competence and satisfactory completion of selected course work. Contact the Special Education Coordinator for details.

The Professional Level II Education Specialist Credential:

Mild/Moderate Disabilities and Moderate/Severe Disabilities

Professional Level II preparation is intended to enable new teachers to apply their Preliminary Level I preparation to the demands of professional positions while fostering advanced skills and knowledge. The Professional Level II Education Specialist Credential Programs in Mild/Moderate Disabilities and Moderate/Severe Disabilities include academic requirements, an individualized induction plan, and an option allowing some requirements to be met with non-university activities. In addition to meeting the regular standards for admission to graduate study at CSU Stanislaus, students applying to the Professional Level II Education Specialist Credential Program must submit proof of a valid Preliminary Level I Education Specialist Credential, and a GPA of at least 3.0 in the last 60 units of college/university work. Applicants must verify full-time employment in a position requiring the Preliminary Level I Education Specialist Credential. Applications to the Level II program are available online at www.csustan.edu/advstd/specialed or in the Advanced Studies office, DBH 348.

Requirements (17 units or equivalent)

1. Complete the following core courses:
EDSE 5200 Reflective Thinking and Induction Seminar, 1 unit
(*This course is repeated two times for a total of 2 units)
EDSE 5220 Advanced Studies in Positive Behavior Support, 3 units
EDSE 5230 Advanced Studies in Curriculum, Assessment, and Program Planning, 3 units

Requirements: 57-59 units for individuals successfully completing the SSAT Educational Technology examination, 59-61 units for individuals successfully completing the Technology prerequisite.*

*Prerequisite

EDIT 4170 Educational Technology Foundations, 2 units

Program Courses

EDCL 5530 Testing in Education and Counseling, 3 units
 EDCL 5540 Counseling Exceptional Children and At-Risk Youth, 3 units
 EDCL 5570 Counseling and Guidance in Education, 3 units
 EDCL 5600 Family Counseling and Community Resources, 3 units
 EDCL 5610 Educational and Occupational Information, 3 units
 EDCL 5630 Dealing with Differences in Educational Settings, 3 units
 EDCL 5640 The Counselor, 3 units
 EDCL 5650 School Group Guidance and Counseling Techniques, 3 units
 EDCL 5760 Pupil Personnel Services Seminar, 3 units
 EDCL 5780 Consultation and Supervision in School Counseling, 3 units
 EDCL 5930 School Counseling Practicum, 2 units
 EDCL 5850/5851 Counseling Seminar and Field Experience, 3 units (4 enrollments for 12 units)

Graduate Core Courses

EDGS 5500 Foundations in Education, 3 units
 EDGS 5510 Introduction to Educational Research, 3 units
 EDGS 5600 Qualitative Research in Education, 3 units **or**
 EDGS 5610 Quantitative Research in Education, 3 units
 EDGS 5960 Project, 4-6 units (2+2+2) **or**
 EDGS 5990 Thesis, 4-6 units (2+2+2)

Course Descriptions

Community College Leadership Program

EDAD 5001 Community College Leadership Seminar (1 unit).

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

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

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

EDAD 5003 Community College Resource Development (1 unit).

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

EDAD 5004 Community College Finance (2 units).

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

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

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

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

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

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

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

Administration: Preliminary Services Credential Intern Services Credential

EDAD 5810 Curriculum Planning, Supervision, and Work Experience Project (5 units).

(Formerly *Seminar: Curriculum Planning and Supervision*) Procedures for curriculum development and implementation; curriculum movements and trends as related to modern practices; related principles of human growth and development; community involvement and proper resource utilization in curriculum development; multicultural education; supervision and evaluation of instruction; techniques of staff development; diagnosis and improvement of instruction; evaluation of pupil achievement; roles of staff, pupils, parents, and community in curriculum development. Work experience projects in the field are required so that students can directly apply theory to practice. Joint mentoring by district and university personnel.

EDAD 5820 Educational Leadership, Personnel Management, and Work Experience Project (5 units).

(Formerly *Seminar: Educational Leadership and Personnel Management*) Concepts of leadership; administrators and group processes; self-evaluation; human relations; professional ethics; decision making processes and techniques; concepts and procedures related to development of school climate for effective learning; short-term and long-range planning; concepts and principles of personnel management; affirmative action; recruitment, selection, assignment of personnel; dismissal of staff members; principles of supervision and evaluation of certificated and classified staff; personnel relations, including collective bargaining. Work experience projects in the field are required so that students can directly apply theory to practice. Joint mentoring by district and university personnel.

EDAD 5830 Principalship, School Management, and Work Experience Project (5 units).

(Formerly *Seminar: Principalship and School Management*) Responsibilities of the principalship as related to establishing and maintaining effective schools; organizational relationships in elementary and secondary schools, problems and procedures; the principal and school control; school level certificated, classified, and pupil personnel administration; student guidance services; community relationships; developing and implementing goals at the school level; administration of special education, mainstreaming; management of office and plant including use of computer technology; communications; conflict resolution; and management of personal stress. Work experience projects in the field are required so that students can directly apply theory to practice. Joint mentoring by district and university personnel.

EDAD 5840 Seminar: School Finance and School Law (4 units).

Principles and practices of school finance and business administration; financing public schools in America with focus on history, funding sources, types of funding, district and site-level budgeting, warehousing, pupil transportation, facilities planning, financial implications of personnel contracts; current legal framework of public schools; permissive and restrictive education codes; student rights; teacher rights; legalities of collective bargaining; legalities related to administration of special education mainstreaming; evolution of case law; pivotal legal points in education; California Education Code.

EDAD 5850 School Governance, Politics, Community Relations, and Work Experience Project (5 units).

(Formerly *Seminar: School Governance, Politics, and Community Relations*) To assist the emerging administrator in development of a realistic perspective on the real world of the public schools; interaction with community forces; political agencies; news media; community power groups; minority groups; teacher organizations; parent groups; school-site councils; school boards and policy; district administrators and policy implementation; emerging social groups and related influences; political dynamics of school faculties; cosmopolitans and locals in school-site politics; structuring and maintaining leadership images. Work experience projects in the field are required so that students can directly apply theory to practice. Joint mentoring by district and university personnel.

School Counseling**EDCL 5530 Testing in Education and Counseling (3 units).**

Measurement and evaluation in education; statistical aspects of testing; selection and interpretation of unbiased tests with emphasis on achievement, aptitude, interest, vocational and educational tests; effects of cultural and ethnic factors on assessment and achievement. **Prerequisite:** Admitted to program.

EDCL 5540 Counseling Exceptional Children and at-Risk Youth (3 units).

(Formerly EDSE 5540) Working with marginally functioning and at-risk youth within the school population. Includes counseling children with physical, intellectual, social, and emotional difficulties. Recognition of adolescent and childhood behavior disorders, intervention techniques, community resources, and educational adjustments. **Prerequisite:** Admitted to program.

EDCL 5570 Counseling and Guidance in Education (3 units).

Roles, functions, and responsibilities of the school counselor; use of group guidance techniques and consultation; working with community groups and human resource development; theory, practice, and trends. **Prerequisite:** Admitted to program.

EDCL 5600 Family Counseling and Community Resources (3 units).

Dynamics of relationships of family, community, and school; communitywide services; agency-school relationships; family visiting, including conferences, interviews, and referrals. **Prerequisites:** EDCL 5640 and admitted to program.

EDCL 5610 Educational and Occupational Information (3 units).

Sources of occupational information; community and nationwide surveys; job analyses, procedures for relating vocational and self-information. Emphasis on meeting needs for school counselors in the area of career guidance. **Prerequisite:** Admitted to program.

EDCL 5630 Dealing with Differences in Educational Settings (3 units).

Recognizing and dealing with racism, sexism, and ageism, also discrimination based on religion, sexual orientation, and learning disabilities. Procedures for helping counselors, administrators, teachers, and their students relate effectively with individuals who differ in various ways. **Prerequisite:** Admitted to program.

EDCL 5640 The Counselor (3 units).

Focus on the person as counselor, the becoming self of the counselor, personal identity and integrity, and authentic response to role conflict situations. Study and application of counseling theory and techniques within school settings. **Prerequisite:** Admitted to program.

EDCL 5650 School Group Guidance and Counseling Techniques (3 units).

Using groups for guidance and counseling in the schools; theory and procedures for implementing groups; issues and problems; role and function of school counselors as group leaders. Includes a group laboratory experience. **Prerequisite:** Admitted to program.

EDCL 5760 Pupil Personnel Services Seminar (3 units).

Current practices in pupil personnel services. Organization and administration of pupil personnel services. Legal principles applied to educational problems, confidentiality, and ethics. Open to practicing personnel and those nearing completion of the Pupil Personnel Services Credential Program. **Prerequisite:** Admitted to program.

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

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

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

Theory, procedures, and practice in consultation and supervision for school counselors. Emphasis on consultation and change, theory, and organizational development. The role of the school counselor as a consultant to teachers, parents, and administrators and as a supervisor for paraprofessionals and counselor trainees. **Prerequisite:** Admitted to program.

EDCL 5850 Counseling Seminar and Field Experience (3 units).

Provides the student with a broad set of supervised experiences as a practicing professional within a school system. **Corequisite:** EDCL 5851. **Prerequisites:** EDCL 5540, 5570, 5640, 5760, and 5930.

EDCL 5930 School Counseling Practicum (2 units).

Preliminary experience in the field for which student is seeking credential plus counseling skill development. Participation in school/community counseling and educational programs and weekly seminars. **Prerequisites:** EDCL 5640 and three of the four following courses: EDCL 5570, 5600, 5630, 5650 and consent of instructor.

Graduate: Master's Core Classes**EDGS 5500 Foundations in Education (3 units).**

Course surveys recent trends and research on the history and philosophy of education; on educational sociology and the politics of schooling and its financing; and on key issues of educational psychology and the impact of culture, race, and gender on schooling.

EDGS 5510 Introduction to Educational Research (3 units).

Course provides an introduction to both qualitative and empirical educational research. Students will locate, understand, evaluate, and interpret educational research, and will identify possible thesis or project topics. **Prerequisite:** Classified Status.

EDGS 5600 Introduction to Qualitative Research in Education (3 units).

Course outlines the theoretical underpinnings and current trends in qualitative research practices for various fields related to educational inquiry. Students learn to identify the qualitative research practices appropriate for addressing research questions that are based on non-linear, verbal and graphic datasets, and professionally accepted methods for analyzing, discussing, and theorizing utilizing such data. **Prerequisites:** EDGS 5510 and Classified Status.

EDGS 5610 Introduction to Quantitative Research in Education (3 units).

Course prepares students for conducting quantitative research with educational topics. Students learn about appropriate research design methods, perform statistical analyses, and determine appropriate analyses given the research design. **Prerequisites:** EDGS 5510 and Classified Status.

EDGS 5960 Project (1–4 units).

This enrollment involves individual consultation with members of the student's project committee. **Prerequisite:** Consent of the M.A. adviser.

EDGS 5980 Individual Study (1–5 units).

For graduate students in need of advanced and specialized study beyond regularly offered courses. **Prerequisite:** Consent of instructor.

EDGS 5990 Thesis (1–4 units).

This enrollment involves individual consultation with members of the student's thesis committee. **Prerequisite:** Consent of M.A. adviser.

EDGS 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their M.A. program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Educational Technology: Upper Division

Note: EDIT 4170 satisfies requirements for the Preliminary Credential.

EDIT 4710 satisfies the requirement for the Professional Clear Credential if the Preliminary was a Ryan Act program issue.

EDIT 4170 Educational Technology Foundations (2 units).

The course is a study of evaluation methods, teaching strategies, and assessment techniques for utilizing technology effectively in K-12 curriculum. Development of curriculum for diverse learners is also explored. This course, pending CCTC approval, satisfies the Level II technology requirement for students receiving their Preliminary Teaching Credential after June 30, 2002. **Prerequisites:** Admission to MSCP, SSCP, or Education Specialist Credential Program.

EDIT 4710 Advanced Technology Integration Strategies (3 units).

(Formerly *Educational Software Integration Strategies*) A study of software evaluation methods, teaching strategies, and assessment techniques for utilizing technology effectively in K-12 curriculum. Also will also explore the development of curriculum for diverse learners in which technology is integrated. **Prerequisites:** EDIT 4600 and 4650 or EDIT 4730 or EDIT 4170 or equivalent.

EDIT 4720 Multimedia Development in Education (3 units).

Students will create and integrate multimedia into K-12 curriculum. Instructional design, authoring tools, peripherals, the Internet, WWW page, and video editing will be examined. Creation of a significant project. **Prerequisites:** Preliminary teaching credential or consent of instructor.

EDIT 5100 Research Trends in Educational Technology (2 units).

Students will examine current research related to aspects of educational technology and the impact of technology on teaching and learning. Emphasis is on recent research findings and implications. Offered during odd-year Spring semesters. This course is transmitted via distance learning technologies. **Prerequisites:** Preliminary teaching credential or consent of instructor.

EDIT 5200 Educational Technology Issues (3 units).

Ethnical, social, financial, and legal implications of technology in education will be explored. The emphasis is on how technology impacts schools, students, and teachers. The effect of technology on business and industry is also examined. **Prerequisite:** Preliminary teaching credential or consent of instructor.

EDIT 5300 The Technology Coordinator (3 units).

Skills needed by school/district technology coordinators and mentors are included in this course. Network configuration, hardware and software troubleshooting, staff development practices, and grant writing are featured. **Prerequisite:** Preliminary teaching credential or consent of instructor.

Special Education: Level I**EDSE 4110 Reading and Language Arts in General Education (2 units).**

(Formerly *Reading and Language Arts in General and Special Education*) Designed to introduce candidates in the special education credential program to materials and methods in general education, grades K-6. This course must be taken concurrently with EDSE 4210. **Corequisite:** EDSE 4210.

EDSE 4130 Special Education Strategies for the Classroom Teacher (3 units).

Teaching the mainstreamed special education student in the general classroom. Individualized diagnostic and prescriptive teaching, counseling, legal aspects, and instructional principles and practices. **Prerequisite:** Multiple or single subject credential.

Note: This course meets the "mainstreaming" requirement for the Professional Clear Multiple Subject Credential and the Professional Clear Single Subject Credential. It does not meet requirements for a special education credential.

EDSE 4160 Foundations of Special Education (1 unit).

Introductory course in the legal and historical foundations of special education. **Prerequisite:** Admission to the Multiple Subject, Single Subject, or Education Specialist Credential Program.

EDSE 4210 Reading and Language Arts in Special Education (3 units).

Designed to provide students with the knowledge and skills to develop, implement, and modify the reading and language arts instruction for students with mild, moderate, and severe disabilities.

EDSE 4310 Introduction to Special Education Programs (3 units).

Introduction to school programs and practices for special education students. Includes direct observation/participation and initial experiences with problems of assessment, prescription, and individualized programs. **Prerequisites:** PSYC 3140 and consent of education adviser.

EDSE 4330 Communication and Social Skills for Students with Disabilities (3 units).

This is a required course in the Special Education Credential Program. The course provides students with skills in a variety of approaches for assessing and improving the language and social skills of students with mild/moderate/severe disabilities. **Prerequisites:** EDSE 4310 and consent of education adviser.

EDSE 4430 Assessment of Students with Disabilities (3 units).

Presents information relevant to assessment and instruction in general and special education settings with emphasis on the knowledge and skills related to assessment and evaluation of students with mild/moderate/severe disabilities. **Prerequisite:** Admission to Special Education Credential Program.

EDSE 4440 Students with Moderate and Severe Disabilities (3 units).

Designed to introduce students to instructional approaches for students with moderate and severe disabilities. **Prerequisite:** Admission to Special Education Credential Program.

EDSE 4450 Teaching Students with Mild to Moderate Disabilities (3 units).

Examination of characteristics of students with mild to moderate disabilities and determining the implications of these characteristics for service delivery. Focus will be on approaches to conceptualizing and providing services and relating approaches to research. **Prerequisite:** Admission to Special Education Credential Program.

EDSE 4550 Practicum with Exceptional Children (3 units).

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

EDSE 4560 Theory of Instructional Design (3 units).

(Same as PSYC 4560) Analysis and evaluation of 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.

EDSE 4750 Applied Behavior Analysis in the Classroom (3 units).

(Same as PSYC 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.

EDSE 4798 Student Teaching Seminar: Consultation and Collaboration - Moderate to Severe Disabilities (2 units).

Provides information about working effectively with school/agency personnel and families of children with moderate to severe disabilities. **Corequisite:** EDSE 4816.

EDSE 4815 Special Education Student Teaching: Mild to Moderate Disabilities (5 units).

Actual work experience (teaching) in the field. Supervision by university personnel. Includes placements in general and special education classrooms. **Corequisite:** EDSE 4898. **Prerequisite:** Consent of program coordinator.

EDSE 4816 Special Education Student Teaching: Moderate to Severe Disabilities (5 units).

This course is designed to meet the student teaching requirement for the Education Specialist Credential, Moderate to Severe Disabilities. **Corequisite:** EDSE 4798. **Prerequisite:** Consent of program coordinator.

EDSE 4850 Field Experience with Exceptional Children (1-3 units).

Practical experience in schools working with children and youth with disabilities. May be repeated for a maximum of 3 units. **Prerequisite:** Consent of the Special Education adviser.

EDSE 4898 Student Teaching Seminar: Consultation and Collaboration - Mild to Moderate Disabilities (2 units).

Provides information about working effectively with school/agency personnel and families of children with mild to moderate disabilities. **Corequisites:** EDMC 4815.

Special Education: Level II**EDSE 5200 Induction Seminar (1 unit).**

Required of all students in the first semester of enrollment in the Level II Education Specialist Credential Program (Mild/Moderate and Moderate/Severe). Students development Professional Credential Induction Plan. **Prerequisite:** Admission to Level II Education Specialist Credential Program (Mild/Moderate or Moderate/Severe).

EDSE 5220 Advanced Studies in Positive Behavior Support (3 units).

Required course in the Level II Education Specialist program (Mild/Moderate and Moderate/Severe). Focus on functional assessment and development of assessment-based comprehensive behavioral support plans. **Prerequisites:** Admission to Level II Education Specialist Credential Program and consent of instructor.

EDSE 5230 Advanced Studies in Curriculum, Assessment, and Program Planning (3 units).

Required course in the Level II Education Specialist Program (Mild/Moderate and Moderate/Severe). Covers advanced issues in assessment and use of assessment in educational planning/decision-making. **Prerequisites:** Admission to Level II Education Specialist Credential Program, and consent of instructor.

EDSE 5410 Consultation and Collaboration (3 units).

Provides knowledge and skills needed to collaborate and communicate effectively with individuals with disabilities, their families, school personnel, and community agencies. Emphasizes designing, implementing, and evaluating services for learners across the life span.

EDSE 5440 Advanced Seminar in Teaching Students with Moderate/Severe Disabilities (3 units).

Required course in the Level II Education Specialist Credential Program (Moderate/Severe Disabilities). Provides for critical examination of current and emerging research on a range of strategies for serving students with moderate/severe disabilities. Emphasis on acquisition of specific advanced techniques. **Prerequisites:** Admission to Level II Credential Program (Moderate/Severe) and consent of instructor.

EDSE 5450 Advanced Seminar in Teaching Students with Mild/Moderate Disabilities (3 units).

Required course in the Level II Education Specialist Credential Program (Moderate/Moderate Disabilities). Provides for critical examination of current and emerging research on a range of strategies for serving students with mild/moderate disabilities. Emphasis on acquisition of specific advanced techniques. **Prerequisites:** Admission to Level II Credential Program (Mild/Moderate) and consent of instructor.

EDSE 5947 Field Work: Mild/Moderate Disabilities (3 units).

Supervision by University personnel for Level II students employed in elementary and/or secondary school setting. **Prerequisites:** Admission to the Level II Credential Program (Mild/Moderate) and consent of instructor.

EDSE 5948 Field Work: Moderate/Severe Disabilities (3 units).

Supervision by University personnel for Level II students employed in elementary and/or secondary school setting. **Prerequisites:** Admission to the Level II Credential Program (Moderate/Severe) and consent of instructor.

Agricultural Studies

College of Arts, Letters, and Sciences

Office: Bizzini Hall 237D
(209) 664-6648

Chair: Mark E. Bender

Faculty: Mark Bender, Ida Bowers, Eric Houk, Michael Schmandt, Ken Schoenly

CAREER OPPORTUNITIES

Agriculture Scientists, engineers and related specialists; Agriculture Managers and Financial Specialists; Agriculture Marketing, Merchandising, and Sales Representatives; Agriculture Communication Specialists; Agriculture Service Professionals

Bachelor of Arts, Agricultural Studies

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

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

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

The major fosters sustainable relationships with area community colleges through the implementation of a “2+2” program design. Individuals who have an A.S. degree or equivalent lower-division course work in Agriculture, Agricultural Science, Agricultural Economics and closely related fields, and who complete the designated lower-division prerequisite courses, may participate in the program. Freshmen admitted to the major are dual enrolled in the university and an area community college agriculture program.

Bachelor of Arts, Agricultural Studies

Requirements:

1. Complete the University’s general education and other requirements for the Bachelor of Arts degree (51 units).
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
 - b. **Lower division GE courses to include:**
 - One course in Statistics
 - One course in Macroeconomics
3. Complete the major core requirements (16-18 units)
4. Complete a concentration (20-22 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 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
- 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 (20 units minimum)

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

Additional Lower Division Prerequisites

One course in general chemistry with laboratory

Required (20 units minimum)

1. Two courses, one from each area (8 units)
 - a. Botany/Microbiology
BOTY 3500 Plant Pathology, 4 units
BOTY 3700 Flowering Plants, 4 units
MBIO 3010/3032 Bacteriology, 3 units/Lab, 2 units
 - b. Entomology/Zoology
ENTO 3000 Principles of Entomology, 4 units
ENTO 4800 Agricultural Entomology, 4 units
ZOO 4430 Invertebrate Zoology II, 4 units
2. One ecology course (3-4 units)
BIOL 4200 Ecological Agriculture, 3 units
BIOL 4680 Ecology, 4 units
BIOL 4600 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 Research and Technical Writing (WP), 3 units
BIOL 4300 Conservation Biology, 3 units
BOTY 3000 Principles of Plant Propagation, 3 units
BOTY 3050 Plants, Agriculture, and Humans, 4 units
BOTY 4200 Plant Physiology, 4 units
ENTO 4330 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 Applied Economics (22 units minimum)

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

Additional lower-division community college requirements for the Applied Economics Concentration:

- One course in Agricultural Marketing
- One course in Agricultural Accounting
- One course in Agricultural Management (suggested)

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

Required (23 units minimum)

1. Required courses for the concentration (10 units)
 - ECON 3205 Quantitative Analysis, 4 units
 - ECON 4331 Managerial Economics, 3 units
 - ECON 4560 Natural Resources & Environmental Economics, 4 units or
 - ECON 4640 Economics and Agriculture, 3 units
2. Electives (minimum of 12 units with at least one course from each area)
 - a. **International**
ECON 4401 Third World Economics, 3 units
ECON 4415 International Economics, 3 units
ECON 4455 The U.S. and World Trade, 4 units
 - b. **General Economics**
ECON 4100 Labor Economics, 3 units
ECON 4200 Intermediate Theory (Microeconomics), 3 units
ECON 4335 Political Economy (WP), 4 units
ECON 4500 Economics of Investment, 4 units
 - c. **Internship in an agriculture-related setting**
AGST 4940 Agricultural Studies Internship, 1-4 units
ECON 4910 Cooperative Education, 2-4 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 (21 units minimum)

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.

Required (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 Aquatic Biology, 4 units
BIOL 4680 Ecology, 4 units
BOTY 4600 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 Principles of Plant Propagation, 3 units
 - BOTY 3500 Introductory Plant Pathology, 4 units
 - ENTO 3000 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 (21 units minimum)

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 of the program, which fulfill a student's education and career goals. The result is a concentration geared toward specific student objectives, while at the same time, maintaining the integrity of the Bachelor of Arts degree in Agricultural Studies.

Required (21 units minimum)

1. Upper Division Units – 18 units
 - a. **Courses from Agricultural Studies concentrations (Agricultural Biology, Applied 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

Agricultural Studies Minor (18 units minimum)

Course Requirements

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, minimum 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 advisor.

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. 45 hours total per unit of credit. **Prerequisites:** Junior or senior level agricultural studies major and consent of instructor.

Anthropology

College of Arts, Letters, and Sciences

Office: Bizzini Hall 215
(209) 667-3127

Coordinator: Sari Miller-Antonio

Faculty: Kofi Akwabi-Ameyaw, Thomas E. Durbin, Jeffrey W. Mantz, Sari Miller-Antonio, Lewis K. Napton

Emerita Faculty: Susan Middleton-Keirn

CAREER OPPORTUNITIES

Administration and Research: Educational institutions, medicine and health care, nonprofit foundations, research organizations

Government: Cultural resource management program, foreign service-state department, military-civil affairs, museums, research, social services

Museums: Private and public

Teaching: College and university, secondary-social studies

The Department of Anthropology and Geography offers the degree Bachelor of Arts, Anthropology. Anthropology also may be selected as a discipline for the degree Bachelor of Arts, Social Sciences (see Social Sciences for further information) and as a concentration within Liberal Studies.

The Department of Anthropology and Geography 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.

Bachelor of Arts, Anthropology

The Anthropology major offers basic preparation for careers requiring contemporary cross-cultural understanding, awareness of cultural heritages and globalization issues. 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.

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
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 advisor; of these, no more than 8 units of CR-graded course work 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. Ethnography and Ethnology (to include a minimum of 3 units in each category), 9 units
2. Physical Anthropology and Prehistoric Archaeology (to include a minimum of 3 units in each category), 9 units
3. ANTH 4500 Growth of Anthropology (required of all majors), 4 units
4. Elective upper-division units in Anthropology, 9 units

Note: Three units of approved upper-division course work in computer science, 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.

The Minor

Requirements (21 units)

Complete 21 units of anthropology course work, including 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 course work from courses graded exclusively CR/NC may apply toward the minor.

The Concentrations

Requirements (30 units)

To concentrate in one area within the Bachelor of Arts, Anthropology, complete the above major program taking all 9 upper-division electives in one of the following: Ethnology, Physical Anthropology, or Prehistoric Archaeology. Such concentrations will be recorded on students' transcripts.

Liberal Studies Concentration in Anthropology

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Anthropology.

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 "College of Education, Teacher Education" section of this catalog for a description of other requirements to be completed for the single subject credential.

Anthropology Sub-Areas

Lower Division

- 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 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 4500 Growth of Anthropology, 4 units

Ethnography

- ANTH 3070 Peoples and Cultures of Africa, 3 units
- ANTH 3105 Cultures of the Pacific, 3 units
- ANTH 3106 Peoples and Cultures of Asia, 3 units
- ANTH 3080 Peoples and Cultures of the Caribbean, 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 (topics vary), 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 Crossing 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 Business, Economics, and Anthropology, 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 Arts (WP), 3 units

Prehistoric 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 Archaeological 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

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) (Spring)

ANTH 2950 Selected Topics in Anthropology (Topics to be specified in Class Schedule) (1–5 units).

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, Winter, 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. **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 3105 Cultures of the Pacific (3 units).

(Formerly ANTH 3101) 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. **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.

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. (Fall)

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 Nahua (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. (Spring)

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. (Fall)

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 Business, Economics, and Anthropology (3 units).

(Formerly *Economic Anthropology*) A study of the cultural dimensions of modern international business with consideration of economic systems of undeveloped traditional small-scale (tribal and peasant) societies. **Prerequisite:** ANTH 2060 recommended.

ANTH 4181 Political Anthropology (3 units).

A survey of political anthropology that considers both past and present decentralized (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. **Prerequisite:** 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) (Fall)

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. (Fall)

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. (Fall)

ANTH 4650 Caribbean Field School (3 units).

Historical and ethnographic analysis of non-Western cultures through immersion into a Caribbean culture and language. Includes training in qualitative and quantitative research strategies, ethnographic field techniques, Pidgin and Creole linguistics, and archival/ethnohistoric research methods. **Prerequisite:** ANTH 3080 recommended (usually offered in semester preceding ANTH 4650) or 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 (Topics to be specified in Class Schedule) (1–5 units).

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.

Postbaccalaureate**ANTH 5250 The Ethnoecology of Southeast Asia (4 units).**

(Same as GEOG 5250) 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:** Graduate standing or consent of instructor.

ANTH 5850 Seminar in Graduate Research (2 units).

Considers the techniques used, problems encountered, and results of the current research of graduate students. May be repeated once. **Prerequisite:** Postbaccalaureate standing.

ANTH 5900 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. Available only for postbaccalaureate credit. **Prerequisite:** Consent of instructor.

ANTH 5950 Selected Topics in Anthropology (1–5 units).

Topics vary each term, thus different topics may be taken for credit. Available only for postbaccalaureate credit. **Prerequisite:** Consent of instructor.

ANTH 5960 Graduate Project (3–6 units).

A terminal graduate project typically completing the requirements of individual M.A. Special Major degree programs. Available only for postbaccalaureate credit. **Prerequisite:** Consent of instructor.

ANTH 5980 Individual Study (1–4 units).

For students capable of independent study in one of the fields of anthropology. Topics and supervising instructors may vary. May be repeated for a total of 6 units. Available only for postbaccalaureate credit. **Prerequisite:** Consent of instructor.

ANTH 5990 Thesis (3–6 units).

Thesis research. May be repeated for a total of 6 units. Available only for postbaccalaureate credit. **Prerequisite:** Consent of graduate adviser.

Applied Studies

College of Arts, Letters, and Sciences

Office: Demergasso-Bava Hall 248
(209) 667-3597

Coordinator: Louis A. Feldman

Faculty: The Applied Studies faculty is drawn from various departments. Major disciplines include: Communication Studies, Economics, English, Management, Operations Management, Political Science, Psychology, and Sociology.

CAREER OPPORTUNITIES

Business, enterprises, industry, government agencies, public service agencies

Bachelor of Science, Applied Studies

The Bachelor of Science in Applied Studies prepares its 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 course work. Those who do not have the formal prerequisites for a course, but feel that they may be qualified for other reasons, must contact the course instructor to determine if they are eligible to enroll.

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 course work.
 - 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 Course Work

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 Management, 3 units

Art

School of Fine and Performing Arts

College of Arts, Letters, and Sciences

Office: Art Building 38, (209) 667-3431
Fax: (209) 667-3871

Chair: Gordon Senior

Faculty: John A. Barnett, Dean DeCocker, Jessica Gomula, David Olivant, C. Roxanne Robbin,
Richard Savini, Gordon Senior, Hamid Shirvani, Hope B. Werness

Emeritus Faculty: John A. Barnett, Martin L. Camarata, Winston E. McGee, Ralf Parton, James Piskoti

CAREER OPPORTUNITIES

This nationally accredited program provides a strong foundation in the visual arts as preparation for advanced study and employment in many career areas involving creative visual knowledge: traditional, contemporary, and computer media in fine arts and commercial applications; teaching in many subject areas of the humanities; curatorship for museums and galleries, or corporate and private collections; regional and state public art programs; art criticism and publication; art therapy.

The Department of Art offers a nationally accredited Bachelor of Arts degree (BA) in Art. The BA program has been accredited by the National Association of Schools of Art and Design since 1984. Also, for professional preparation in the Fine Arts, a Bachelor of Fine Arts degree (BFA) offering has been granted plan approval by the National Association of Schools of Art and Design. Students interested in the BFA degree are requested to contact the Department of Art.

Students may elect one of the following NASAD accredited programs:

Bachelor of Fine Arts, Art

The BFA is designed for students who wish to pursue a challenging course of study as well as those planning to do graduate work in the visual arts.

Bachelor of Arts, Art

The program introduces students to lower division fundamentals and, at the upper division level, provides opportunities for creative growth and life enrichment.

Art History Concentration

This concentration equivalent to a Bachelor of Arts degree covers the full range of the history of Art.

Or students may elect the following California Commission on Teacher Credentialing-approved program:

Subject Matter Preparation Program in Art

Designed for students who wish to enter credential programs to teach art in secondary schools.

Minors in Art and Art History are also available as well as an Art Concentration for Liberal Studies students. A postbaccalaureate Printmaking Certificate Program is offered.

Mission

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. In doing this, the Art Department supports the University's Mission.

Requirements

1. Complete University requirements for the Bachelor of Arts or the Bachelor of Fine Arts degree (51 units minimum).
2. Complete University requirements as listed below for the specific degree program, i.e., Bachelor of Fine Arts, Art; Bachelor of Arts, Art (Art History Concentration); or Bachelor of Arts, Art (Subject Matter Preparation Program).
3. Participate in an exhibition of graduating BA/BFA candidates, with the exception of Art History students.

Bachelor of Fine Arts, 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 (21 units):
ART 1010 Drawing I: Direct Observation, 3 units
ART 1020 Drawing II: Composition, 3 units
ART 1100 Visual Principles, Two-Dimensional, 3 units
ART 1200 Visual Principles, Three-Dimensional, 3 units
ART 2010 Drawing the Human Figure from Observation, 3 units
ART 2515 Art History Survey-Ancient, 3 units, or
ART 2525 Art History Survey-Non-Western, 3 units
ART 2520 Art History Survey-Modern, 3 units

The Major (58 units)

1. Complete the following studio requirements (19 units):
ART 3000 Color, 3 units
ART 3010 Drawing the Human Figure from Memory, 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
(a total of 3 units is required)
ART 4970 New Genre Art, 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 Since 1945, 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 one of the following areas of emphasis (minimum 18 units):
 - a. Painting**
ART 3200 Painting from Observation, 3 units
ART 3210 Painting from Imagination, 3 units
ART 3220 Painting: Original Form, 3 units
ART 3230 Painting the Human Figure, 4 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 3605 Text and Image, 3 units
ART 3620 Moving Image, 3 units

- ART 3630 Still Image I, 3 units
- ART 3700 Computer Art, 3 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 4425 Advanced Studio, 4 units

d. New Media

- ART 3605 Text and Image, 3 units
- ART 3615 Objects in Contemporary Practice, 3 units
- ART 3620 Moving Image, 3 units
- ART 3630 Still Image I, 3 units
- ART 3700 Computer Art, 3 units
- ART 4425 Advanced Studio, 4 units

e. Mixed Subject

Students may design their own programs combining areas of emphasis in consultation with their BFA committee.

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, Art

Complete lower-division prerequisites to the major (18 units):

- ART 1010 Drawing I: Direct Observation, 3 units
- ART 1020 Drawing II: Composition, 3 units, or
- ART 2010 Drawing the Human Figure from Observation, 3 units
- ART 1100 Visual Principles, Two-Dimensional, 3 units
- ART 1200 Visual Principles, Three-Dimensional, 3 units
- ART 2515 Art History Survey-Ancient, 3 units, or
- ART 2525 Art History Survey-Non-Western, 3 units
- ART 2520 Art History Survey-Modern, 3 units

The Major (36 units)

1. Complete the following course (3 units):
ART 3010 Drawing the Human Figure from Memory, 3 units
2. Complete upper division coursework in the three areas below (18 units):
 - a. Painting (6 units)**
ART 3200 Painting from Observation, 3 units
ART 3210 Painting from Imagination, 3 units
ART 3220 Painting: Original Form, 3 units
ART 3230 Painting the Human Figure, 4 units
ART 4210 Modern Painting, 4 units
ART 4425 Advanced Studio, 4 units
 - b. Printmaking (6 units)**
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 3605 Text and Image, 3 units
ART 3620 The Moving Image – Video and Film Making, 3 units
ART 3630 Still Photograph I, 3 units
ART 3700 Computer Art, 3 units
ART 4425 Advanced Studio, 4 units

c. Sculpture (6 units)

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 3615 Objects in Contemporary Practice, 3 units

ART 4425 Advanced Studio, 4 units

3. Complete the following required courses (9 units):

ART 4545 Modern Art, 1870-1945, 3 units

ART 4550 Art Since 1945, 3 units

ART 4930 Professional Practices, 3 units

4. Select six additional upper-division studio units in consultation with the student's adviser. Students concurrently pursuing the Subject Matter Preparation Program in Art should take ART 4860 Understanding and Creating Art (3 units) and ART 4870 World Crafts (3 units) as electives.**5. Participate in an exhibition of graduating BA/BFA candidates.****Bachelor of Arts, Art****Art History Concentration**

Art History courses span the entire history of the visual arts, giving students a firm grounding in the history, methodology, and cultural background of Western and Non-Western art.

Requirements**1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).****2. Complete the following prerequisites to the major (18 units):****a. 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

b. Studio Courses (9 units)

ART 1010 Drawing I: Direct Observation, 3 units

ART 1100 Visual Principles, Two-Dimensional, 3 units

ART 1200 Visual Principles, Three-Dimensional, 3 units

3. 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 Since 1870-1945, 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 (WP), 3 units

Bachelor of Arts, Art**Subject Matter Preparation Program in Art**

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 requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following core courses (37 units):
 - ART 1010 Drawing I: Direct Observation, 3 units
 - ART 1020 Drawing II: Composition, 3 units or
 - ART 2010 Drawing the Human Figure from Observation, 3 units
 - ART 1100 Visual Principles, Two-Dimensional, 3 units
 - ART 1200 Visual Principles, Three-Dimensional, 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, 4 units
 - ART 4870 World Crafts, 3 units
 - ART 4960 Senior Seminar (WP), 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 Since 1945, 3 units
 - ART 4920 Art in Action, 3 units
 - ART 4970 New Genre Art, 4 units
 - PHIL 4500 Philosophy of Art (WP), 3 units

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

Minor in Art

Requirements (27 units)

- Complete prerequisites to the major as listed previously in subsection two of the "Requirements" section, Bachelor of Arts, Art (18 units).
- Choose one course from each of the following areas:
 - Printmaking**
 - ART 3100 Relief Printmaking, 3 units
 - ART 3110 Intaglio, 3 units
 - ART 3120 Lithography, 4 units
 - ART 3130 Serigraphy, 4 units
 - Painting**
 - ART 3200 Painting from Observation, 3 units
 - ART 3210 Painting from Imagination, 3 units
 - ART 3220 Painting: Original Form, 3 units
 - 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)

- 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
- Select 12 units of upper-division course work in consultation with the minor adviser.

Graduate Programs

Printmaking Certificate Program

The Department of Art also offers a one-year postbaccalaureate program leading to a Certificate in Printmaking. The workshop in the printmaking program is available to qualified graduate students. Students may select print courses for the program from department course offerings in consultation with the adviser.

Admission Requirements

- Bachelor of Arts degree with a major in art.
- Minimum of two courses in printmaking at the undergraduate level.
- Portfolio evaluation by printmaking faculty.
- Interest in the field and seriousness of endeavor.

Requirements for the Certificate

- Complete a minimum of 14 units of studio electives in printmaking.
- Submit a portfolio of prints to a faculty committee who will evaluate the work.
- Participate in a group exhibition or a one-person exhibition of prints on campus or at a location acceptable to both the student and faculty.

Liberal Studies Concentration in Art

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Art.

Course Descriptions

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 nude models and field trips to art museums.

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 Drawing I: Direct Observation (3 units).

(Formerly *Drawing I*) The initial exploration of drawing as a medium for representing sensory and cognitive experience employing a spectrum of materials, processes, signs and symbols, and with reference to the rich artistic history in diverse cultures. (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 Visual Principles, Two-Dimensional (3 units).

(Formerly *Elements of Design and Color; Two-Dimensional Design*) Introduces students to studio art approaches to creativity by using the visual principles of two-dimensional art and will build a theoretical and practical vocabulary, including composition in color. Satisfies G.E. area C1. (CAN ART 14) (Fall)

ART 1200 Visual Principles, Three-Dimensional (3 units).

(Formerly *Three-Dimensional Design*) Introduces students to three-dimensional structural concepts. Investigation of various media and processes is included. 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 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 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 (Topics to be specified in Class Schedule) (1–5 units).
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 judgements 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 screen printing 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 (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 Imagination (3 units).
(Formerly *Painting: Material, Process, and Form; Painting: Composition and Form*) Studio work in multimedia aimed at understanding of artistic form and meaning that is guided by imagination and emphasizing the physical properties of materials. **Prerequisite:** ART 1000 or 1010.

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 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 Objects in Contemporary Practice (3 units).
Concepts and techniques to examine and produce work in response to everyday manufactured objects. Working from advertising sources such as magazines to create/sculpt an object which ultimately will be explored photographically. **Prerequisites:** ART 1010 or 3030, and ART 2520 or consent of instructor.

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 3700 Computer Art (3 units).

(Formerly *Electronic Art and Design*) Hands-on artistic experience of the essential forms of electronic "imaging." Electronic "painting," image-capture from video, animation, color, and laser printing techniques. Instruction on introductory and advanced levels. For art students with or without computer experience and for students with computer graphics experience, but little or no art experience. **Prerequisite:** ART 1100 or any lower-division computer science course.

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 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. **Prerequisites:** 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. **Prerequisites:** ART 2515 and 2530.

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. **Prerequisites:** ART 2515 and 2530.

ART 4525 Italian Renaissance Art (4 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 and 2530.

ART 4530 Northern Renaissance Art (3 units).

Architecture, painting, and sculpture in Northern Europe during the 15th and 16th centuries. **Prerequisites:** ART 2520 and 2530.

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. **Prerequisites:** ART 2520 and 2530.

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. **Prerequisites:** ART 2520 and 2530.

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 Since 1945 (3 units).

(Formerly Contemporary Art) Analysis of development of style trends in the visual arts from 1945 to the present. **Prerequisites:** ART 2520 and 2530.

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. **Prerequisites:** ART 2525 and 2530.

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. **Prerequisite:** 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 Museum and Gallery Management (1-3 units).

Experience hanging exhibitions in the University Art Gallery. Instruction in proper handling of art work, presentation research, and publication. Museum visits and readings about history and operation of museums.

Prerequisite: Art major or minor.

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.

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 (Topics to be specified in Class Schedule) (1–5 units).

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. **Prerequisite:** 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. **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.

Postbaccalaureate**ART 5010 Graduate Studio Art Projects (4 units).**

A graduate course covering painting, drawing, printmaking, sculpture, and/or mixed media, to develop a body of art work demonstrating sustained sophisticated, professional investigations. May be repeated for credit. **Prerequisite:** Bachelor of Arts in Art degree and/or consent of instructor.

ART 5950 Selected Topics in Art (Topics to be specified in Class Schedule) (1-5 units).

Innovative advanced projects for the graduate student.

ART 5960 Graduate Projects (3–6 units).

Final presentation or documentation of original creative work and research such as gallery exhibit, mural, media display or image development. These terminal projects will include review, critique, and showing of work done. **Prerequisite:** Consent of instructor.

ART 5980 Individual Study (1–4 units).

For postbaccalaureate students with a degree major in art capable of independent specialized work in studio and/or history and criticism. 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.

ART 5990 Thesis (3–6 units).

Preparation of a written thesis for partial fulfillment of requirements. **Prerequisite:** Consent of instructor.

Biological Sciences

College of Arts, Letters, and Sciences

Office: Science Building 103
(209) 667-3476

Chair: Jane Bruner

E-mail: Bruner@science.csustan.edu

Website: <http://arnica.csustan.edu/biology>

Faculty: Jane Bruner, Mark Grobner, Terry Jones, Patrick Kelly, Ann K. Kohlhaas, Wayne S. Pierce, Pamela Roe, Kenneth G. Schoenly, Michael Stevens, My Lo Thao, Walter Tordoff III, Flora M. C. Watson, Steven J. Wolf, Janey Youngblom, James J. Youngblom

Emeritus Faculty: Jay Christofferson, Steve J. Grillos, David Gotelli, Glenn A. Hackwell, James C. Hanson, Pete S. Mayol, Daniel F. Williams

CAREER OPPORTUNITIES

Agriculture/Horticulture: *Animal/plant disease monitoring and control, animal/plant genetics, bee management, pest management, plant nursery management, plant quarantine enforcement*

Health Professions: *Chiropractics, dentistry, clinical laboratory sciences, medicine, optometry, pharmacy, physical assistant, physical therapy, veterinary medicine*

Industry: *Applied/basic research, bioengineering, biological/chemical pest control, biological illustration, biotechnology, food/beverage microbiology, laboratory technician, pharmaceutical research/sales, scientific instruments/supplies sales, water quality*

Public Agencies: *Aquatic biology, criminology, environmental impact assessment, public health, mosquito abatement, museum curation, natural resource management, ranger naturalist, science education, waste water management, wildlife biology, zoo biology*

The Department of Biological Sciences offers programs of study in the life sciences for students seeking the Bachelor of Arts or the Bachelor of Science in Biological Sciences, or a Master of Science in Marine Science. Students may also elect to complete a concentration in Botany, Ecology and Field Biology, Entomology, Environmental Sciences, Genetics, Marine Biology, Microbiology, or Zoology as part of either the Bachelor of Arts or the Bachelor of Science program. Students should confer with their department adviser to determine which degree and program is best suited to their career objectives. (Advising by a biology faculty member is required of all biology majors prior to registration each semester. The department secretary coordinates scheduling of advising appointments.)

Students interested in marine biology and oceanography may elect course work at the Moss Landing Marine Laboratories for partial fulfillment of their in-residence major and degree requirements. Refer to the "Marine Sciences" section of this catalog for a description of Moss Landing course offerings.

Field trips are required in many courses; a few require overnight stays. Hazards can be encountered on field trips. Appropriate precautions need to be taken by students while in the field to minimize risks. If a student is unwilling to accept these risks, alternative courses that do not pose such risks should be selected in consultation with the adviser.

Bachelor of Arts, 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, 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 course work 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 specific courses are required for these graduate and professional programs.

Requirements for the Bachelor of Arts or the Bachelor of Science

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
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 eight units of CR-graded course work 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)*
 - 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 Biology, 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, or NSCI 3000 may be used, *but no more than 3 units total*).
7. Completion of a concentration is optional.

* 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.

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 4500 Quantitative Ecology, 4 units
 - BIOL 4700 Ecology and Exotic Species, 3 units
 - c. Complete one of the following courses:
 - BIOL 4630 Marine Biology, 4 units
 - BIOL 4650 Aquatic Biology, 4 units
 - BIOL 4720 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**
 - ENTO 3000 Principles of Entomology, 4 units
 - ENTO 4330 Medical and Veterinary Entomology, 4 units
 - ENTO 4800 Agricultural Entomology, 4 units

Electives:

An additional 4 units selected with assistance of the advisor.

4. **Environmental Sciences**

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

5. **Genetics**
 - a. Complete the following required courses:
 - BIOL 3310 Cellular and Molecular Biology, 3 units
 - BIOL 3350 Introductory Genetics, 3 units
 - b. Complete one of the following courses:
 - BIOL 4870 Recombinant DNA, 2 units, **or**
 - BIOL 4850 DNA Technology in Forensic Science, 2 units

- c. Complete one of the following courses and corresponding lab:
CHEM 4400 and 4402 Biochemistry, 4 units, **or**
MBIO 3010 and 3032 Bacteriology, 5 units
- d. Complete two additional advanced genetic courses selected from:
BIOL 4820 Medical Genetics, 3 units, **or**
BIOL 4830 Evolution and Population Genetics, 2 units, **or**
BIOL 4840 Molecular Genetics, 2 units, **or**
BIOL 4860 Cell Culture and Advanced Biotechnology, 2 units
6. **Marine Biology**
ZOO 4420 Invertebrate Zoology I, 4 units (or MSCI 3240)
ZOO 4430 Invertebrate Zoology II, 4 units (or MSCI 3250)
BIOL 4630 Marine Biology, 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
MBIO 4300 Medical Microbiology, 4 units
MBIO 4600 Food Microbiology, 3 units
MBIO 4700 Host Parasite Interactions, 3 units
MBIO 4950 Selected Topics, 1–4 units
BOTY 3500 Introductory Plant Pathology, 4 units
ENTO 4330 Medical and Veterinary Entomology, 4 units
ZOO 4440 General Parasitology, 4 units
8. **Zoology**
Select at least one course from each of the following groups:
- a. ZOO 3610 General Vertebrate Zoology, 4 units
ZOO 4620 Herpetology, 4 units
ZOO 4630 Ornithology, 4 units
ZOO 4640 Mammalogy, 4 units
- b. ZOO 4420 Invertebrate Zoology I, 4 units
ZOO 4430 Invertebrate Zoology II, 4 units
ENTO 3000 Principles of Entomology, 4 units
- c. ZOO 4230 Animal Physiology, 4 units
ZOO 4280 Physiology of Human Systems, 4 units
- d. An additional 4 units selected with assistance of the advisor.

Clinical Laboratory Science Concentration

The curriculum for the Clinical Laboratory Science concentration includes mandatory classes required for eligibility to take licensure examination for clinical laboratory scientists offered by the California Department of Health Services. Course work 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
ZOO 4440 General Parasitology, 4 units
Bio 124 Clinical Hematology, 3 units

Note: Bio 124 is available on campus via a pilot distance education offering with concurrent enrollment from CSU Sacramento beginning Spring 2002.

CHEM 2010 Quantitative Analysis and Basic Instrumental Techniques, 4 units
CHEM 4400 Biochemistry, 3 units

Minor in Biological Sciences

Requirements (20 units)

- Complete the following lower-division courses (8 units):
BOTY 1050 Introduction to Botany, 4 units
ZOO 1050 Introduction to Zoology, 4 units (equivalent courses may be substituted with approval of minor adviser)
- Complete a minimum of 12 units of upper-division course work, as approved by minor adviser.

Liberal Studies Concentration in Biological Sciences

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Biological Sciences.

Preparation for Graduate Work or Professional Degrees

Biological sciences majors interested in health careers such as dentistry, medicine, medical technology, optometry, pharmacy, physical therapy, or veterinary medicine should see the Premedical and Health Professions section of this catalog. The university offers the appropriate preprofessional course work 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 and to complete at least a college-level one-year sequence or equivalent in French or computer programming (BASIC or FORTRAN). 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 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
MATH 1600 Statistics, 4 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 "College of Education, Teacher Education" section of this catalog for a description of teaching credential programs.

Students planning on teaching Science (with a Biology Emphasis) at the secondary level (junior high through high school) will need to complete either a Subject Matter Preparation Program (SMPP) or pass a series of standardized tests (CSET) in biology, chemistry, physics and geoscience. There are also two pre-program courses, PSYC 3240 (Adolescent Growth and Development) and EDSC 3900 (Foundations of Secondary Ed), that must be completed prior to application to the Credential Program. For details of the SMPP go to <http://arnica.csustan.edu> and click on the link for Teacher Education. Locate the section on Secondary Teaching. Also look at the Single Subject Teaching Section of the University Catalog for additional information about requirements for the Credential Program.

Master of Science in Marine Science Marine Biology Concentration

The Department of Biological Sciences in conjunction with Moss Landing Marine Laboratories offers a Master of Science in Marine Science degree in areas of Marine Sciences. Please contact the Department of Biological Sciences office for further information and for admission procedures to this degree program.

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 1020–1029 World of Biology Laboratory (Topics to be specified in Class Schedule) (1 unit).

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 F1. **Prerequisite:** 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 F1. **Prerequisite:** Junior standing. (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, ZOO 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, ZOO 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:** ZOO 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, ZOO 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 F1. (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 F1. One of three cluster courses in the G.E. Summit Program (Waking up to Nature: Ethics, Ecology, and Restoration Practices). **Prerequisite:** Consent of Summit Program Coordinator.

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. **Prerequisites:** One of the following: MBIO 3010, BIOL 3310, BIOL 3350, ZOO 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:** ZOO 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 F1. **Prerequisites:** Completion of G.E. area B, junior standing.

BIOL 4500 Quantitative Ecology (4 units).

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

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 Biology (4 units).

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, ZOO 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, ZOO 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, ZOO 1050, and statistics or calculus. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Fall)

BIOL 4700 Ecology and Exotic Species (3 units).

Study of ecology of introduced or exotic species and their effects on other organisms and ecosystems. **Prerequisites:** BOTY 1050 and ZOO 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 ZOO 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 ZOO 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).

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. **Prerequisite:** 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 (Topics to be specified in Class Schedule) (1-5 units).

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 (Topics to be specified in Class Schedule) (1-5 units).

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 agency. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Fall, Spring)

Postbaccalaureate**BIOL 5900 Directed Field Research (2–4 units).**

Field research conducted off-campus under the general supervision of a faculty member, but under the specific direction of someone from an outside agency. **Prerequisites:** Bachelor's degree and consent of instructor. (Fall, Spring)

BIOL 5980 Individual Study (1–4 units).

For qualified students in need of advanced or specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Fall, Spring)

BIOL 5990 Master's Thesis (3–6 units).

Preparation, completion, and submission of an acceptable thesis or project for the master's special major degree. This course may be repeated for a total of 6 units. **Prerequisite:** Open only to graduate students with the consent of student's graduate adviser. (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. **Prerequisite:** 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) (Fall)

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 (Topics to be specified in Class Schedule) (1–5 units).

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:** ZOO 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 ZOO 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 ZOO 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

ENTO 4950 Selected Topics in Entomology (Topics to be specified in Class Schedule) (1–5 units).

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

(Topics to be specified in Class Schedule) (1–5 units).

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.

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. **Prerequisite:** 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. **Prerequisite:** 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**(Topics to be specified in Class Schedule) (1–5 units).**

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.

Master of Business Administration

College of Business Administration

Office: Demergasso-Bava Hall 209A
(209) 667-3280

Director: Randall B. Brown

E-mail: mbaprogram@csustan.edu

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.

Admission to the Program

Qualified applicants holding a bachelor's degree from an accredited college or university may be admitted to the program. Each applicant must submit the following to the Enrollment Services Office:

1. A fully completed California State University Graduate application for admission form.
2. Two copies of official transcripts from each college attended other than CSU Stanislaus.

Each applicant also must submit the following to the MBA Program Director, College of Business Administration:

1. A completed MBA Program Application Form.
2. Three letters of recommendation from faculty and/or other professional sources.
3. The Graduate Management Admission Test (GMAT) score, which should be sent directly from the testing service. (The GRE is not an acceptable substitute for the GMAT.) The MBA Program Director will consider indicators of high promise of success in postgraduate business study from the following:
 - a. Performance on the GMAT: All candidates must sit for the GMAT prior to being admitted to the program. They must achieve a score of 450 or higher in the overall category. They must achieve scores in the quantitative and verbal categories at or above the 20th percentile. And, they must achieve a minimum score of 3.5 in the "analytical writing" component.
 - b. Candidate's overall or upper-division grade-point average prior to admission to the program. A minimum of 2.5 GPA is required, either overall or upper-division. In addition, a total of 1000 points must be achieved based on the formula (200 times the overall GPA plus the GMAT), or a total of 1050 points based on the formula (200 times the upper-division GPA plus the GMAT).
 - c. Experience: Candidates must demonstrate a two-year record of relevant, full-time employment in a professional or supervisory role. Applicants wishing to enter the program without the required two years experience may achieve a waiver of the work experience requirement by meeting a higher point score of 1,150 based on the formula (200 times overall GPA plus the GMAT total score).
4. Applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and have a minimum total score of 550 (or 213 electronic) with part scores of at least 54 (21 electronic), reported directly from the testing service.

Requirements (33 units minimum)

The Master of Business Administration is awarded upon satisfactory completion of 33 units of core and graduate elective courses and either the completion of a graduate project or the passing of a comprehensive examination. Students must have completed the 21 units of foundation courses listed below or their equivalents. In order to be exempted from any or all foundation courses, equivalent undergraduate courses must have been completed with a grade of C or better within ten years prior to admission to the program. Exemptions from the foundation courses also can be obtained by passing the corresponding qualifying examination.

Foundation (21 units)

ACC 5070	Principles of Accounting, 3 units
ECON 5050	Business and the Economic Environment, 3 units
FIN 5020	Management of Financial Resources, 3 units
MGT 5040	Management of International Business, 3 units
MGT 5050	The Administrative Process, 3 units
MKT 5090	Marketing Fundamentals, 3 units
OM 5090	Business Research Techniques, 3 units

In addition, computer literacy is required, equivalent to our CIS 2000.

Master of Business Administration Core (24 units)

ACC 5110	Management Accounting, 3 units
CIS 5620	Computer Information Systems, 3 units
FIN 5210	Managerial Finance, 3 units
MGT 5310	Business Organization, Theory, and Behavior, 3 units
MGT 5900	Integrated Business Strategy and Project Development, 6 units
MKT 5410	Marketing Management, 3 units
OM 5630	Seminar in Quality and Productivity Management, 3 units

Electives (9 units)

Three graduate electives, 9 units, and Comprehensive Examination, 0 units, or
Two graduate electives, 6 units, and Graduate Project, 3 units

Master of Business Administration core and elective units must be earned within seven years immediately preceding the completion of requirements for the degree. A 3.0 grade point average must be maintained in all graduate work.

Enrollment in MBA core and elective classes is limited to students with classified MBA standing at this University. Exceptions to this policy require written approval of the director of the MBA program.

Writing Proficiency Requirement

Master of Business Administration students may satisfy the writing proficiency requirement by meeting the required level of proficiency in either of the following courses: MGT 5310 Business Organization, Theory, and Behavior or MKT 5410 Marketing Management.

Master of Science in Business Administration, Finance: International Finance

College of Business Administration

Office: Demergasso-Bava Hall 216
(209) 667-3671, (209) 667-3042 Fax

Director: Andrew J. Wagner

Faculty: Christian Bal, Mondher Bellalah, William D. Crist, Michel Garcin, Tahi Gnepa, Sylvain Lenfle, Jocelyn Martel, Constantin Mellios, Jean-Pierre Pfeffer, Chanwit Phengpis, Jean-Luc Prigent, Andrew Wagner

Master of Science in Business Administration, Finance: International Finance

The Master of Science in Business Administration, 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. The program 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 Université de Cergy-Pontoise.

The Université de Cergy-Pontoise is situated in a department in the north-western part of the Paris region. The town currently has over 200,000 inhabitants. The University is multidisciplinary and provides both academic and vocational courses. Its students are from widely differing social backgrounds. The university currently has over 10,000 students.

Admission to the Program

Qualified applicants holding an earned bachelor's degree from an accredited college or university may be admitted to the program. Students who do not hold a bachelor's degree in business administration from an accredited college or university must complete the following courses (15 units) with the grade of "C" or better before being admitted to the program:

ACC 2110 Financial Accounting (3 units)
ACC 2130 Managerial Accounting (3 units)
FIN 3220 Business Finance (3 units)
ECON 2500 Principles of Macroeconomics (3 units)
ECON 2510 Principles of Microeconomics (3 units)

Each applicant must submit the following to the Enrollment Services Office:

1. A fully completed California State University Application for Graduate Admission.
2. Two copies of official transcripts from each college attended other than CSU Stanislaus.

Each applicant also must submit the following to the program director:

1. Three letters of recommendation from faculty and/or other sources.
2. The Graduate Management Admission Test (GMAT) score, which should be sent directly from the testing service. (The Graduate Record Examination [GRE] is not an acceptable substitute for the GMAT.) The program director will consider indicators of high promise of success in a postgraduate study of finance from the following, listed in priority order:
 - a. Candidate performance on the GMAT. All candidates must sit for the GMAT prior to being admitted to the program, and must achieve a score of 500 or higher on that exam. (If a score of 500 or better is not achieved, the candidate will not be considered for admission into the program.)
 - b. Candidate's overall or upper-division grade-point average prior to admission to the program, based on the following criteria:
 - i. A total of at least 1150 points on the formula (200 times the overall grade point average plus the GMAT total score).
 - ii. A total of at least 1200 points on the formula (200 times the upper-division grade point average plus the GMAT total score).
 - c. Experience as demonstrated by a record of appropriate employment at increasing levels of responsibility.
3. Applicants whose native language is not English or French must take the Test of English as a Foreign Language (TOEFL) and have a minimum total score of 550, with part scores of at least 54, reported directly from the testing service.
4. Applicant must possess the ability to speak French.

Requirements (32 units minimum)

The Master of Science in Business Administration, Finance: International Finance is awarded upon satisfactory completion of 32 units of required graduate courses and the passing of a comprehensive examination. A 3.0 grade point average must be maintained in all graduate work.

Master of Science in Business Administration, Finance: International Finance (32 units).

- MGT 5040 Management of International Business (3 units)
Stanislaus
- FIN 5410 Strategy for Financial Managers (3 units) Cergy
- FIN 5415 Political, Cultural, and Social Environment (2 units)
Cergy
- FIN 5330 International Financial Management (3 units)
Stanislaus
- FIN 5341 European Financial Markets (1 unit) Cergy
- FIN 5220 Security Analysis and Portfolio Management (3 units)
Stanislaus
- FIN 5210 Managerial Finance (3 units) Stanislaus
- FIN 5435 Financial Engineering and Risk Management (4 units)
Cergy
- FIN 5425 Corporate Governance and Ethics (2 units) Cergy
- FIN 5950 Selected Topics in Finance (2 units) Cergy
- FIN 5950 Selected Topics in Finance (2 units) Stanislaus
- FIN 5440 Seminar on Financial Professions (1 unit) Cergy
- FIN 5940 Internship (3 units) Stanislaus

Comprehensive Examination Procedures

Each participating professor will submit a list of questions pertaining to his/her course being taught. The program directors from CSU Stanislaus and Université de Cergy-Pontoise will work together to compile the comprehensive exam from these lists of questions, with each topic to be covered in a separate section. The program directors are responsible for the administration of the comprehensive exam. After the coursework is completed and prior to participating in the internship course, all MSBA, Finance: International Finance students are required to take the comprehensive exam simultaneously. Participating professors are expected to grade their respective sections. If a student fails the comprehensive exam, then (s)he may retake it after completion of the internship. The new exam will be compiled in the same way that the first exam was. If a student fails the comprehensive exam twice, then the MSBA, Finance: International Finance degree will not be granted.

Course Descriptions

Graduate

FIN 5020 Management of Financial Resources (3 units).

Intended to lay theoretical foundations of financial policy. Cases and problems provide application of theory to financial decisions involving cash flow management, capital structure, cost of capital, capital budgeting, dividend policy, etc., of enterprises operating for profit. Accessing computer files (library programs and data banks) in financial analysis and decision making is introduced. **Prerequisites:** ACC 5070, OM 5020, or equivalents. (Fall, Spring)

FIN 5210 Managerial Finance (3 units).

Focuses attention on financial management of business enterprises and its relation to other functional areas of management and to general business policy. Extensive use of case problems and/or simulation exercises provides applications of theory to financial decisions involving cash flow management, capital structure planning, capital costs, capital budgeting, dividend policy, and valuation of enterprises operating for profit. **Prerequisites:** FIN 5020, ECON 5050, and ACC 5110 or equivalents. (Fall, Spring)

FIN 5220 Security Analysis and Portfolio Management (3 units).

Advanced treatment of the analysis of securities and the theoretical and applied issues of portfolio management. **Prerequisite:** FIN 5020 or equivalent.

FIN 5240 Management of Financial Institutions (3 units).

Detailed examination of the management of financial institutions. Topics include financial statements of financial institutions, investment management, loan management, liability and deposit management, capital management. **Prerequisite:** FIN 5020 or equivalent.

FIN 5310 Real Estate Finance and Investment (3 units).

Advanced treatment of financial analysis as applied to investment in real estate. Emphasis will be on appraisal theory, risk and return measurement. **Prerequisite:** FIN 5020 or equivalent.

FIN 5330 International Financial Management (3 units).

Analysis of the international monetary and financial system and the financial management issues of corporations operating internationally. **Prerequisite:** FIN 5020 or equivalent.

FIN 5340 Financial Markets (3 units).

Analysis of the functioning and role of the financial markets. Topics include wholesale financial markets and retail financial markets, role of the institutions, supply–demand model of interest rates, flow of funds analysis. **Prerequisite:** FIN 5020 or equivalent.

FIN 5341 European Financial Markets (1 unit).

Analysis of the functioning role of financial markets with a special emphasis on American and European markets. **Prerequisites:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5410 Strategy for Financial Managers (3 units).

Analysis and evaluation of the problems, opportunities, and ethical responsibilities that face financial managers of a business firm. Students are exposed to a variety of business situations through the case method. Additionally, this course will address the implications of conducting business in a global environment. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5415 Political, Cultural, and Social Environments (2 units).

Description and explanation of the major differences between the political, social, and cultural environment in the U.S., France, and other European countries. Special emphasis on companies operating in these different markets. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5425 Corporate Governance and Ethics (2 units).

Examination of institutional and policy framework for corporations as they are created (entrepreneurship), through their governance structures, to market exit (insolvency). Addresses the philosophical processes involved with moral reasoning as they relate to financial management. Moreover, the course goes beyond moral development to include motivation, virtue, personal character, and other elements to ethical decision-making. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5435 Financial Engineering and Risk Management (4 units).

Analysis of different financial techniques used by banks and venture capital firms to measure and manage the risks faced by businesses. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5440 Seminar on Financial Professions (1 unit).

Examination of various financial professions in private firms and banks. Materials will be used to strengthen student knowledge of current opportunities and practices in the U.S., France, and other European countries. Guest speakers from various corporations and institutions will share their knowledge and experiences. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5940 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 5950 Selected Topics in Finance

(Topics to be specified in Class Schedule) (1–4 units).

Innovative course of study. Different topics may be taken for credit.

Prerequisite: Consent of instructor.

FIN 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements.

FIN 5980 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.

FIN 5990 Graduate Thesis (3 units).

This enrollment involves consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Chemistry

College of Arts, Letters, and Sciences

Office: Science Building 217
(209) 667-3468

Chair: Shane L. Phillips

E-mail: shane@chem.csustan.edu

Website: <http://wwwchem.csustan.edu>

Faculty: Jim Byrd, Peter S. Nico, Michael J. Perona, Shane L. Phillips, Chad C. Stessman, Nhu-Y T. Stessman, Koni K. Stone

Emeritus Faculty: John Almy, Hobart G. Hamilton, Jr., Jimmy W. Hinkson, Alexander J. Pandell, Evan M. Thompson

CAREER OPPORTUNITIES

Research chemist in industry or government; teacher at elementary school, high school, community college or university; synthesis or quality control chemist for industry or government; health care professional; lawyer; industry sales or management.

The Department of Chemistry offers programs of study for students seeking the degrees Bachelor of Arts or the Bachelor of Science in Chemistry. Students should consult with their department adviser to determine which degree and program is best suited to their career objectives.

Bachelor of Arts Degree

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. (Please see "Admission to the University" section of this catalog.)

Bachelor of Science Degree

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 Science, Chemistry

Requirements

- Complete University requirements for the Bachelor of Arts 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 course work 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)

Note: There is a 24 unit upper-division minimum required in the discipline of chemistry.

Requirements

- 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 (WP), 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 (WP), 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 I, 4 units

Note: The following courses are required for those students who wish to receive an ACS accredited degree (7-8 units):

- CHEM 4400 Biochemistry I, 3 units **and**
CHEM 4610 Computer Methods in Chemistry, 2 units
MATH 2460 Introduction to Differential Equations, 2 units **or**
MATH 2530 Linear Algebra, 3 units

Chemistry Minor

Requirements (18 units)

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 for the Liberal Studies concentration in Chemistry.

Teaching Credentials

Majors in chemistry interested in multiple subject or single subject credentials are referred to the “College of Education, Teacher Education” section of this catalog for a description of teaching credential programs.

Students planning to pursue a science teaching credential or a multiple subject credential with a major in chemistry should carefully plan their academic program to include the required additional science breadth courses.

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, 2400, 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 550 or higher on the ELM, unless exempt, or completion of MATH 0105 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 (Topics to be specified In Class Schedule) (1-5 units).

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 F1. **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 F1. **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.)

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 (Topics to be specified in Class Schedule) (1–5 units).

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)

Postbaccalaureate**CHEM 5980 Individual Study (1–4 units).**

For qualified postbaccalaureate students in need of advanced or specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Fall, Winter, Spring)

Child Development

College of Arts, Letters, and Sciences

Office: Bizzini Hall 231
(209) 667-3386

Chair: Gina Pallotta

Coordinator: Rita Asher

CAREER OPPORTUNITIES

Preschool teacher/administrator; after-school-program teacher; parent-education instructor; elementary teacher; marriage, child, and family counselor; social services professional; foster and adoption professional; community college instructor

The child development program offers a Bachelor of Arts degree in Child Development and a Child Development Graduate Certificate. The child development program also offers a concentration for the Liberal Studies degree. (See the Liberal Studies section of this catalog for more information.)

CHILD DEVELOPMENT MAJOR 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 the 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, 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 based in the Department of Psychology and Child Development. 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 core of required courses; (2) complete one of the tracks described; and (3) 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: working as teachers and administrators of child development programs (Child Programs Track); pursuing advanced studies or research careers in education, psychology, social sciences, special education, and child development (Child Research Track); 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.

Students pursuing authorization to teach in public elementary schools must complete a Multiple Subject Credential upon completion of their degree or concurrent with the completion of the baccalaureate. Students wishing to obtain a Multiple Subject Teaching Credential may wish to consider one of two routes preliminary to the credential: (1) Completion of the Child Development major; (2) the Liberal Studies major with a Child Development Concentration. The Liberal Studies concentration in child development is described in the Liberal Studies section of this catalog. Students may wish to consult their advisers before choosing their major.

Requirements

1. Complete University requirements for the Bachelor of Arts degree.
 2. Complete the lower-division prerequisites to the major plus major requirements of not less than 37 units of approved upper-division course work 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 course work, plus additional upper-division course work 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 course work.
 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 course work may apply toward the major.
 7. Internships and field work courses may be repeated once each for credit toward the major. In addition, a maximum of 6 units of combined course work 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

The Major (47 units)

1. Complete the following required lower-division courses (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

2. 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, 1 unit
 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
3. Complete one of the following tracks (12 units):
- a. **Child Development Programs Track** (Child Development Programs Certificate):
- 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** (Child Development Research Certificate):
- i. Complete the following: (12 units)
 SSCI 3000 *Library Resources for the Social Sciences*, 2 units
 PSYC 3000 *Experimental Methods*, 4 units
 PSYC 4120 *Human Development Research Seminar*, 3 units (WP)
 CDEV 4000 *Child Development Research Methods*, 3 units
- c. **Child Development Services Track** (Child Development Services Certificate):
- 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:** Select 12 units of upper-division classes from the following list of *electives. A general track plan **must** be developed with the student's academic adviser and submitted to the Child Development Committee for approval.

*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 *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, 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 for the Liberal Studies concentration in Child Development.

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 course work that is likely to meet these requirements. Applications for the Child Center Permit may be picked up at the University Credential Processing Center.

Child Development Graduate Certificate

The purpose of this certificate is to offer coursework at the graduate level to prepare professionals who are currently working in the field with advanced study that is directly related to their careers. This certificate program will prepare students with a foundation of graduate-level knowledge and will integrate this foundation with diverse topics that emerge as the most important needs of professionals in the field. The certificate program is designed to take a developmental perspective to address phenomena that pose challenges for professionals, such as facilitating emergent language and literacy, meeting children's challenging behaviors, and child and programmatic assessment. The Child Development Graduate Certificate is offered during Special Sessions. Please contact the Department of Psychology and Child Development (209-667-3386) or the Department of Extended Education (209-667-3111) for additional information.

The Graduate Certificate program is organized around the following learning goals--understanding theoretical orientations, developmental foundations, major themes, current directions, and cultural and contextual issues in the field; critically evaluating and applying scientific research to child development settings; integrating developmental research findings and methodologies to settings with young children and families; demonstrating culturally appropriate and anti-biased models and practices; describing the implications of varied contextual influences upon the cognitive, social, emotional, and physical development of infants, toddlers, preschoolers, and adolescents; demonstrating developmentally appropriate intervention strategies with children and families; applying the principles of the field to workplace issues facing children, families, and professionals; collecting data, writing and presenting APA styled research papers; and, articulating a worldview using theory, research, and developmental knowledge.

Requirements (15-16 units)

Complete the following coursework in child development:

- Take both of the following foundation courses (6 units):
 CDEV 4000 Child Development Research Methods (3 units),
 and
 PSYC 5130 Advanced Human Development (3 units)

- Take both of the following seminars (6 units):
 CDEV 5170 Advanced Seminar in Cognitive and Language Development (3 units), and
 CDEV 5180 Advanced Seminar in Social Emotional Development (3 units)
- Choose one of the following laboratory courses (3 or 4 units):
 CDEV 4180/90 Developmental Programs for Preschool Children and Lab (3, 1 unit), or
 CDEV 4280/82 Development of Social Cognition and Lab (3 units), or
 CDEV 4950/53 Special Topics in Early Language and Literacy Development (3 units)

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.

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, child care 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 (Topics to be specified in Class Schedule) (1–5 units).

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. (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)

CDEV 5170 Advanced Seminar in Cognitive and Language Development (3 units).

Taking a thematic approach, this course will examine children's perceptual, cognitive and language development by integrating advanced-level theory, research, and practice. Course will focus on a different topic each semester. May be repeated for a total of six units. **Prerequisite:** PSYC 5130.

CDEV 5180 Advanced Seminar in Social and Emotional Development (3 units).

Taking a thematic approach, this course will examine children's social, emotional, and personality development, integrating advanced-level theory, research, and practice. Course will focus on a different topic each semester. May be repeated for a total of six units. **Prerequisite:** PSYC 5130.

Cognitive Studies

College of Arts, Letters, and Sciences

Office: Bizzini Hall 231
(209) 667-3386

E-mail: webcogs@csustan.edu

FAX: (209) 664-7067

Website: <http://cogs.csustan.edu>

Core Faculty: Thomas J. Carter (Computer Science)
Lin S. Myers (Psychology)
John J. Sarraille (Computer Science)

James A. Tuedio (Philosophy)
James A. Wakefield (Psychology)

Adjunct Faculty: Annhenrie Campbell (Accounting)
Juan M. Flores (Teacher Education)
David H. Lindsay (Accounting)
Richard Savini (Art)
George E. Settera, Jr. (English)

Harold Stanislaw (Psychology)
Nancy J. Taniguchi (History)
Joan A. Wink (Teacher Education)
Dawn Strongin (Psychology)

CAREER OPPORTUNITIES

Educational Consultant, Health Facility Administrator, Human-Computer Interface, Cognitive Ergonomics, graduate work in Cognitive Science

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 course work 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. Students completing this program will have gained the ability to apply the methods of gathering empirical evidence, developing meaningful simulations, and applying rigorous conceptual analysis, to the difficult problem of understanding human consciousness. Students will have learned how to apply interdisciplinary methods to the analysis of complex problems, and to the discovery and development of solutions to such problems. More generally, they will be able to apply all these approaches together to enrich their own understanding of the complex world we live in.

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, Cognitive Studies

Requirements

1. Complete University 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
 PYSC 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 Non-Linear 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 (WP), 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) (* indicates prerequisites beyond those to the major):
 *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
 Other courses may be approved by major adviser.

Degree Minor (18 units)

Requirements

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) (*additional prerequisites apply):
 *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 Non-Linear 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, 3 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
 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 three cluster courses in the G.E. Summit Program (Humans in the Information Age). **Prerequisites:** Upper-division standing, completion of lower-division general education, BIOL 4350, and consent of Summit Program Coordinator.

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.

Course Descriptions for Other Departments

The following are descriptions of courses offered by cooperating departments with Cognitive Studies and offered as required courses or electives in the Cognitive Studies major and minor programs. These courses can be found in each of the departments' sections of this catalog, but are added here for convenience and quick reference.

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 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, ZOO 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours) (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)

CS 4410 Automata, Computability, and Formal Language (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 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.

ENGL 3750 Introduction to Linguistics Theory (4 units). (Replaces ENGL 3800). An intensive introduction to the study of syntax, phonology, and semantics.

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. **Prerequisites:** MATH 0106 or 0110, or a passing score on the ELM test, or equivalent (Lecture, 3 hours; laboratory, 2 hours) (CAN STAT 2)

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, correlation and regression. Use of computers for simulation and statistical analysis. **Prerequisite:** MATH 1410 with a grade of C- or better.

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 2230 Modern Philosophy (3 units).

A study of the main themes and issues in the history of the 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 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 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 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 will also focus on the application of language theory to problems in the artificial intelligence movement. **Prerequisite:** PHIL 3300 or 3500.

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 of lab projects. **Prerequisite:** PSYC 2010 or equivalent.

PSYC 3100 Introduction to Physiological Psychology (3 units).

Relationship between behavior and physiological processes, particularly neurophysiological processes. **Prerequisite:** BIOL 1010 or ZOOL 1050. (Lecture, 3 hours)

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. Concurrent enrollment in PSYC 3410 not required.

PSYC 4400 Cognitive Processes (3 units).

An introduction to the study of human information processing and such higher mental processes as thinking, attention, comprehension, imagery, memory, language, and reasoning. **Prerequisites:** PSYC 2010, 2020, or consent of instructor.

Communication Studies

College of Arts, Letters, and Sciences

Office: Demergasso-Bava Hall 125
(209) 667-3371

Chair: Marjorie A. Jaasma

Faculty: Nancy Burroughs, Peter DeCaro, Vickie Harvey, Fred P. Hilpert, Jr.,
Marjorie Jaasma, Keith Nainby, Joanna Ploeger, David Schulz, John R. Sumser

Emeritus Faculty: Roberta T. Anderson, Richard Alter, Max C. Norton, Jerry L. Weedon

CAREER OPPORTUNITIES

Community college teacher, sales manager, lobbyist, speech writer, minister, lawyer, politician, consumer market researcher, staff analyst, focus group leader, political campaigner, staff, public affairs director, community relations director, marketing field director, organizational newsletter editor, public information specialist, press secretary, broadcast journalist, disc jockey, television news producer, news director, media technician, personnel staff, public service agency staff, corporate media director, communication consultant

The Department of Communication Studies offers the degree Bachelor of Arts, Communication Studies, and degree minors in Journalism and Speech Communication.

The University offers the degree Bachelor of Arts, Social Sciences, with an interdepartmental major in Communication Studies and any other two disciplines within the social sciences. (For further information, see the “Social Sciences” section of this catalog.)

The degree Bachelor of Arts, Liberal Studies, is also offered with Communication Studies as an area of concentration. (For further information see the “Liberal Studies” section of this catalog.)

Bachelor of Arts Communication Studies

Overall objectives of the program are to provide the student with opportunities to gain:

- An understanding of the theories and processes of human communication as a necessary part of one’s education in the liberal arts and sciences.
- A requisite background in the diverse theories and methodologies of the discipline as a preparation for graduate study in the various fields of communication.
- A specialized knowledge of and proficiency in the communicative arts and sciences for entrance into such communication careers as public relations, newspaper reporting, radio and television broadcasting, media sales and promotions, and communication research.
- A specialized knowledge of and proficiency in the communication arts and sciences for entrance into such professional programs as education, law, the ministry, public service, and business.

The Department of Communication Studies offers the degree Bachelor of Arts in Communication Studies with options to specialize in Organizational Communication/Public Relations, and/or Speech Communication. There are 19 units in the Core and 15 units in the option(s) totaling 34 units. Degree minors in Journalism and Communication Studies are also offered.

The Faculty in the Department of Communication Studies have designed the major for students to achieve the following competencies:

- Demonstrate subject knowledge
- Speak and listen effectively in various communication contexts
- Write and respond effectively in various communication contexts
- Demonstrate critical thinking by analyzing and evaluating communication using relevant communication frameworks (e.g., media messages, nonverbal, etc.)
- Design and evaluate research proposals
- Use theory to explain and analyze communication phenomena
- Apply an ethical framework to communication interactions
- Understand how to communicate competently with people who use a variety of communication patterns found in a multicultural society (e.g., cultural background, age, gender, and physical and mental conditions)
- Formulate clear questions, execute appropriate search strategies, critically examine information and understand issues surrounding the use of information

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
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 Small Group Discussion, 3 units.
 - b. Complete G. E. Area D2a by taking COMM 2011, Introduction to Human Communication, 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, Newswriting, 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.

Bachelor of Arts in Communication Studies

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 requirement 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 Multinational Organizations, 3 units*

- 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 4140 Rhetorical Theory (WP), 3 units
 - COMM 4050 Relational Communication, 3 units*
2. Select **one** of the following courses (3 units)
 - COMM 4100 Group Communication, 3 units*
 - JOUR 3030 Freedom of Speech and Press, 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.

No substitutions will be accepted for the CORE courses. In the other areas, faculty advisors 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 4800 First and Second Language Acquisition, 3 units,
 - or**
 - COMM 3100 Advanced Interpersonal Communication, 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 Communication Studies 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:
 - 1) 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**

- 2) 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 Multinational Organizations.
- b. Semester at Aarhus including the following one 10-unit course and three 3-unit courses:
 - 1) 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.
 - 2) Business and Management Communication, Course No. 10290 at Aarhus (equivalent to 3 units at CSU Stanislaus), replacing COMM 3110 Organizational Communication **and**
 - 3) 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**
 - 4) Intercultural Communication in a European Context, Course No. 21120 at Aarhus (equivalent to 3 units at CSU Stanislaus), replacing COMM 4165 Communication in Multinational 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 at 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 Multinational Organizations

**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 Global Affairs for information and consult with your academic advisor in the Department.

Liberal Studies Concentration in Communication Studies

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Communication Studies.

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 "College of Education, Teacher Education" section of this catalog for a description of other requirements to be completed in obtaining a single subject credential.

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 D2a. 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 D2a. (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**(Topics to be specified in Class Schedule) (1–5 units).**

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. **Prerequisite:** 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. **Prerequisites:** Completion of G.E. Area A-1 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. **Prerequisite:** 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 interpersonal 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. **Prerequisite:** 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 advisor. **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 concentration. (Fall, Spring)

COMM 4950 Selected Topics in Communication Studies (Topics to be specified in Class Schedule) (1-5 units).

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.

COMM 5980 Individual Study (1-4 units).

Individual study for qualified postbaccalaureate students in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor.

COMM 5990 Thesis Research (3-6 units).

Thesis research. May be repeated for a total of 6 units. **Prerequisite:** Consent of graduate adviser.

Computer Information Systems

College of Business Administration

Office: Demergasso-Bava Hall 212
(209) 667-3568, (209) 667-3237 Fax

Chair: Eleftherios (Al) Tsacle

Faculty: Pi-Sheng Deng, Zbigniew J. Gackowski, Ronald W. Lodewyck, Panagiotis Petratos, Eleftherios (Al) Tsacle

CAREER OPPORTUNITIES:

Business systems analyst, database administrator, network administrator, website administrator, information systems manager, business programmer, decision support systems analyst, end-user support specialist and information center manager

The Department of Computer Information Systems offers the degree Bachelor of Science, 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: COBOL, Visual Basic, Visual C++, or Java. In addition, all CIS majors must complete courses in Database Management Systems, Systems Administration, Network Administration, and Systems Analysis and Design.

Requirements

1. Complete University requirements for the Bachelor of Science degree (51 units minimum),
2. Complete the following prerequisites to the major (27 units):
ACC 2110 Financial Accounting, 3 units
ACC 2130 Managerial Accounting, 3 units
CIS 2000 Introduction to CIS, 3 units
BLW 2060 Law Environment and Ethics, 3 units
CIS 2010 Introduction to COBOL Programming, 3 units, **or**
CIS 2020 Visual Basic Programming,
3 units, **or**
CIS 2030 Java/C++ Programming, 3 units
CIS 2700 Management Information Systems, 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, ENGL 3007 Business and Technical Communication (WP), 3 units
5. Completion of a minor is not required.
6. At least 50% of the business units required for the degree should be earned at CSU Stanislaus. This requirement exceeds the University-wide requirement.

The Major (36 units)

Complete the following core courses (36 units):
CIS 3010 Advanced COBOL Programming, 3 units, **or**
CIS 3020 Advanced Visual Basic Programming, 3 units, **or**
CIS 3030 Advanced Java/C++ Programming, 3 units
CIS 4100 Systems Administration, 3 units
CIS 4720 Database 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 Basic 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 Database 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 CIS Internship, 3 units
CIS 4950 Selected Topics in CIS, 3 units

Minor in Computer Information Systems

A student majoring in any discipline other than Business Administration may receive a minor in Computer Information Systems by completing the courses listed below.

Requirements (24 units)

- Complete the following prerequisites to the minor (18 units):
 ACC 2110 Financial Accounting, 3 units
 CIS 2010 Introduction to COBOL Programming, 3 units, **or**
 CIS 2020 Visual Basic Programming, 3 units, **or**
 CIS 2030 Java/C++ Programming, 3 units
 CIS 2700 Management Information Systems, 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
- Complete two of the following courses (6 units):
 CIS 3010 Advanced COBOL Programming, 3 units, **or**
 CIS 3020 Advanced Visual Basic Programming, 3 units, **or**
 CIS 3030 Advanced Java/C++ 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 4820 Database Driven Website Development, 3 units
 CIS 4800 Network Administration, 3 units

A student majoring in Business Administration may receive a minor in Computer Information Systems by completing the courses listed below:

- Complete one of the following prerequisites (3 units):
 CIS 2010 Introduction to COBOL Programming, 3 units, **or**
 CIS 2020 Visual Basic Programming, 3 units, **or**
 CIS 2030 Java/C++ Programming, 3 units
- Complete three of the following courses (9 units):
 CIS 3010 Advanced COBOL Programming, 3 units, **or**
 CIS 3020 Advanced Visual Basic Programming, 3 units, **or**
 CIS 3030 Advanced Java/C++ 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 4820 Database Driven Website Development, 3 units
 CIS 4800 Network Administration, 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 E1. **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 Java/C++ Programming (3 units).

Introduction to computer programming in Java for business information systems with examples in C++. Principles of structured, object, and visual oriented programming with emphasis on development of systems of interactive programs for data entry and data validation, file management, and reporting. **Corequisite:** CIS 2032. **Prerequisite:** Computer literacy course such as CIS 2000. (Lecture, 2 hours; laboratory, 2 hours)

CIS 2700 Management Information Systems (3 units).

Introduction to information systems for business students. The objective is to build a basic understanding of the value and use of information system technology for business operations, managerial decision making, and strategic advantage. Topics of special interest include strategic roles of information systems in an organization, application development including systems analysis and design, models of decision making, decision support systems, expert systems, and data management. Lab projects will focus on the design, development, and use of information system models to improve managerial decision making. **Corequisite:** CIS 2702. **Prerequisite:** CIS 2000 or equivalent. (Credit may not be given for both CIS 2700 and CIS 3780.) (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/C++ Programming (3 units).

Solving business problems using various computer programming techniques. Students will be introduced by example to top-down designing of programs, modular programming techniques, principles of structured, visual, and object oriented programming (OOP) using the Chief Programmer approach to program development. Programming will be done in Java and C++, with examples of visual proto-typing programs for Windows. **Corequisite:** CIS 3032. **Prerequisite:** Programming I (such as CIS 2030). (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 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 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 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, 1 hour; laboratory, 4 hours)

CIS 4750 Decision Support Systems (3 units).

Design and implementation of computer-based decision support systems. Emphasis will be placed on using VBA for the development of DSSs, mathematical programming and decision theory, data mining, simulation, and statistical modeling techniques for business decision making and problem solving. **Corequisite:** CIS 4753. **Prerequisites:** CIS 2010 or CIS 2020 or CIS 2030 and 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 (Topics to be specified in Class Schedule) (1–4 units).

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.

Graduate

CIS 5620 Computer Information Systems (3 units).

Overview of the concepts and structure of computer-based information systems which support decision making at all levels of management. Topics include the definition and role of CIS; the uses of CIS; various organizational information systems; computer hardware, software; data base systems, and the principles of CIS development and management. **Prerequisites:** OM 5040, CIS 5060, ACC 5070, or equivalents.

CIS 5710 Decision Support Systems (3 units).

Concepts and structure of Decision Support Systems and Expert Systems. Emphasis on the design of knowledge-based interactive systems to assist management decision making. Systems will be developed using expert system development, modeling, and database management software. **Corequisite:** CIS 5712. **Prerequisite:** CIS 5620 or equivalent. (Lecture, 2 hours; laboratory, 2 hours)

CIS 5750 Data Base Management Systems (3 units).

Design and implementation of data bases utilizing a data base management system. Acquaints students with the concepts of Information Resource Management, including information as an organization resource, database design, database administration, data dictionaries, query systems, and data security. Students will design and implement a database information system using a database management software package. **Corequisite:** CIS 5752. (Lecture, 2 hours; laboratory, 2 hours)

CIS 5940 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 5950 Selected Topics in Computer Information Systems (Topics to be specified in Class Schedule) (1-4 units).

Innovative course of study. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

CIS 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements prior to registration.

CIS 5980 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.

CIS 5990 Graduate Thesis (3 units).

This enrollment involves consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Computer Science

College of Arts, Letters, and Sciences

Office:	Demergasso-Bava Hall 287 (209) 667-3185
Chair:	Thomas J. Carter
Faculty:	Thomas J. Carter, John J. Sarraille, Robert Silverman, Megan Thomas, Raymond L. Zarling
Emeritus Faculty:	Steve Cunningham, Edward L. Lamie
Website:	http://www.cs.csustan.edu

CAREER OPPORTUNITIES

Software designer; programmer; system, database, or network administrator; software engineer; system analyst; and web-based systems designer.

The Department of Computer Science offers courses designed for quality undergraduate education in computer science. It also provides courses that can be taken by students in other fields who have an interest in practical aspects of programming or theoretical foundations of computation.

The Department offers the degree of Bachelor of Science in Computer Science. The degree is designed to prepare students for careers in the computing profession as well as provide the necessary theoretical foundation for entry into graduate school.

The recommended high school preparation for the bachelor's degree program is seven semesters of high school mathematics. Science, foreign language, and logic courses are also desirable.

The Department offers a minor in computer science which enables students in other fields to get exposure to various aspects of computer science. This may be of interest to students in mathematics, computational chemistry, computational biology, and other sciences.

Bachelor of Science, Computer Science

Requirements

1. Complete University 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 course work 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.
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), 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 WP 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

Either one 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 Non-linear 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

The Minor

Complete 24 units of computer science course work 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

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 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. **Corequisite:** CS 2002. Satisfies G.E. area E1. Students may not use both CS 2000 and CS 4000 to satisfy G.E. requirements. (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 F1. **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. **Prerequisite:** 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 course work knowledge. May be repeated for a total of six units.

Prerequisite: Upper-division standing and consent of instructor.

CS 4950 Selected Topics in Computer Science (Topics to be specified in Class Schedule) (1-5 units).

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 (Topics to be specified in Class Schedule) (1-5 units).

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.

Criminal Justice

College of Arts, Letters, and Sciences

Office: Bizzini Hall 213
(209) 667-3408

Chair: Phyllis Gerstenfeld

Faculty: William Bourns, Chau-Pu Chiang, Phyllis B. Gerstenfeld, Gregory Morris, George D. Muedeking, Peter Nelligan, Cecil A. Rhodes, Stephen J. Schoenthaler, Robert Werling, Jane Younglove

CAREER OPPORTUNITIES

Youth counselor, probation officer, parole officer, corrections officer, federal law enforcement agent, state, county, city police officer, administration, research, law school, forensic science, teaching

The Department of Criminal Justice offers an interdisciplinary program leading to the Bachelor of Arts degree in Criminal Justice. Students may obtain the degree by completing either a General Major concentration or by completing a concentration in Law Enforcement, Corrections, or Forensic Science. (See the "Sociology" section of this catalog for Sociology course descriptions.) The 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 progress 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, social, and psychological causes of criminal behavior.

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, Criminal Justice

The student may request that the criminal justice faculty waive up to 9 upper-division units of criminal justice course work based on documented completion of related college course work and/or work experience.

Requirements

1. Complete the University 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. General concentration, or concentrations in Corrections and Law Enforcement, must complete not less than 39 upper-division units in Criminal Justice and specific Sociology courses.
4. For the Forensic Science concentration, students must 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 the following core courses required of all concentrations (21 units):
CJ 3100 Legal Research and Writing, 3 units
CJ 3170 Criminal Justice Research Methods (WP), 4 units
CJ 4141 Criminal Procedures I, 3 units
CJ 4151 Criminal Procedures II, 4 units
CJ 4230 Juvenile Justice, 4 units
SOCL 3120 Criminology, 3 units

Concentrations within the Criminal Justice Major

Students must select a General concentration, or a concentration in Corrections, Law Enforcement, or Forensic Science by completing the lower-division prerequisites to the major, the required core courses, and the requirements of the concentration. The following concentrations are offered.

General Concentration (18 units minimum)

The following is 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 is 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 16 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 the 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 is 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 17 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 the 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 required prerequisites to the major:
 - CHEM 1100 Principles of Chemistry I, 5 units
 - BIOL 2310 Human Genetics, 3 units
 - MATH 1600 Statistics, 4 units
 - PSYC 2030 Psychology of Adjustment, 3 units
2. The following is 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 course work as approved by the adviser, 3-4 units

Forensic Science Minor (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

Degree Minor (21 units)

Requirements

- 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
- 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 4141 Criminal Procedures I, 4 units
CJ 4135 Correctional Law, 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

Social Sciences Concentration, Criminal Justice

Requirements

- Complete the following prerequisites (6 units):
CJ 2250 Introduction to Criminal Justice, 3 units
CJ 2280 Criminal law, 3 units
- Select any 9-12 units from the following, with adviser's consent:
Criminal Justice Systems:
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 3420 Community and Problem Oriented Policing, 3 units
CJ 4925 Historical and Contemporary Criminal Justice, 3 units
Criminal Justice Theory:
CJ 4250 Psychology of Criminal Behavior, 4 units
SOCL 3120 Criminology, 3 units
SOCL 3130 Juvenile Delinquency, 3 units
Specific Topics in Criminal Justice:
CJ 3235 Domestic Violence and Intimate Abuse, 3 units
CJ 3315 Hate Crimes, 3 units
CJ 3800 Crime Prevention and Schools, 3 units
CJ 4141 Criminal Procedures I, 3 units
CJ 4915 Sex Crimes and Gender Issues in Criminal Justice, 3 units
CJ 4925 Historical and Contemporary Criminal Justice, 3 units
CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units

Master of Arts in Criminal Justice

Graduate Director: Peter Nelligan

The master's degree in Criminal Justice builds upon the strong preparatory undergraduate Criminal Justice Program with its blending of liberal arts, sciences, and applied components. Further, the relationship between the criminal justice undergraduate and graduate programs is integral in serving the educational goals of the region and the state of California and in contributing in complementary ways to building an excellent, comprehensive university. Building upon its commitment to excellence of teaching and learning in the undergraduate program, the primary responsibilities of the master's program in Criminal Justice include, but are not limited to, the advancement of scholarly research and preparation for students to teach in higher education. In accordance with the philosophical underpinning and institutional commitments, the primary goals of the graduate program in criminal justice are to

- meet the public and private demand for academically-prepared and professionally-competent criminal justice practitioners;
- provide academic emphases in research and data analysis as well as criminology while adding a unique emphasis on teaching criminal justice at the post secondary level;
- increase cultural, linguistic, and gender diversity among criminal justice practitioners in order to address the needs of a culturally and linguistically diverse community; and
- advance the University's mission by expanding students' intellectual horizons, helping them reach their potentials, and encouraging a passion for life-long learning.

CSU Stanislaus pledges to make explicit its learning objectives for students and to design a method for evaluating academic program quality. Thus, students graduating from this program shall have demonstrated the following learning objectives:

- Acquired advanced knowledge, skills, and values associated with the discipline of criminal justice and characteristic of learned individuals possessing a master's degree.
- Demonstrated enhanced oral and written communication skills, complemented by the ability to access and analyze information from a myriad of print and mediated-technological sources.
- Demonstrated ability to be analytical and integrative, capable of critical thought, and creative in the exploration of the discipline of criminal justice.
- Demonstrated ability to work as individual researcher/scholars, but also in collaboration with others in contributing to the research of the field of criminal justice.
- Demonstrated advanced knowledge of the global world, multiple perspectives, and intercultural competence as applied to criminal justice professions.
- Enhanced understanding of pedagogy for teaching and learning at a community college or university.
- Demonstrated adherence to standards of professional ethics for criminal justice professionals.

Prerequisites for Admission

- Completion of a bachelor's degree at an accredited college or university.
- At least 15 pre-baccalaureate units in criminal justice, criminology, and/or related discipline as approved by the program director.
- An undergraduate GPA of 3.0.
- A grade of B or better in an upper-division research and methodology course.
- Three letters of reference.
- A 1-2 page letter of intent specifying the applicant's interest in the program, academic and professional background in preparation of graduate study, motivation to advance in the field of criminal justice through study, and intent to study full-time or part-time.

7. A sample of the applicant's written work (ideally a library research paper, a theoretical research paper, or an empirical research paper/proposal in the undergraduate major).
8. International students who have not received their undergraduate degrees from institutions in which English is the principle method of instruction must submit minimum scores of 550 total and part scores of 54 on the Test of Written English as a Second Language (TOEFL) or 213 total and part scores of 21 on the computer TOEFL.
9. Applications for the Criminal Justice Program received by April 1 will receive priority consideration for admission the following fall semester. Notification of acceptance will be issued by June 1.

Requirements for Program Continuation

1. Maintain a 3.0 GPA in all courses attempted, with no grade lower than a C-.
2. Maintain satisfactory progress toward the degree.
3. Follow all University-wide requirements. The students are responsible for obtaining current copies of these regulations and complying with the criteria listed.

If, following the completion of the required course work, students have not yet finished the master's thesis, they are required to register for CJ 7005 (0 units) in any semester in which they are working under direct faculty supervision or using University facilities to complete the thesis, or submitting the thesis for University approval.

Program Requirements

Complete the University requirements for the Master of Arts in Criminal Justice, which consists of 27 required units and 9 elective units.

1. Required courses (27 units)
 - CJ 5000 Historical and Contemporary Criminological Thought, 3 units
 - CJ 5001 Historical Analysis of the American Criminal Justice System, 3 units
 - CJ 5101 Criminal Justice Planning and Innovation, 3 units, **or**
 - CJ 5150 Contemporary Criminal Justice Issues Seminar, 3 units
 - CJ 5200 Advanced Statistics in Criminal Justice, 3 units
 - CJ 5201 Quantitative Methods in Criminal Justice, 3 units
 - CJ 5202 Policy Research and Program Evaluation in Criminal Justice, 3 units
 - CJ 5600 Teaching and Staff Development in Criminal Justice, 3 units
 - CJ 5990 Master's Thesis, 6 units
2. Complete 9 units of electives from the following categories of study. CJ 5940 Graduate Internship in Criminal Justice, is required for students who do not have substantial work related experience in the field of criminal justice.
 - a. **Administration and Management**
 - CJ 5290 Management of Law Enforcement Organization, 3 units
 - b. **Law and Legal**
 - CJ 5320 Critical Examination of Criminal Law, 3 units
 - c. **Youth and Family**
 - CJ 5325 Advanced Seminar in Domestic Violence and Intimate Abuse, 3 units
 - d. **Personalized Study in Criminal Justice**
 - CJ 5940 Graduate Internship in Criminal Justice, 1-3 units
 - CJ 5980 Individual Study, 1-3 units

Note: More elective courses are in the process of approval.

Other Curricular Offerings

4000-level courses

Students may substitute a maximum of 6 elective units of 4000-level criminal justice course work (in the areas of Administration and Management, Law and Legal, Youth and Family, and Personalized Study in Criminal Justice) with the approval of the graduate director. These units may not have been used to fulfill requirements for a baccalaureate degree. Graduate students enrolled in 4000-level courses will complete supplemental assignments and will be assessed by differential grading standards commensurate with graduate level work.

Courses from related disciplines

With the approval of the graduate director, students may substitute in their program a maximum of 6 graduate elective units from other disciplines such as psychology, sociology, public administration, or social work.

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 AJ 2) (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 person, property, and public order. **Prerequisite:** CJ 2250 or consent of instructor. (CAN AJ 4) (Fall)

CJ 2450 Criminal Judicial Process (3 units).

(Formerly CJ4165 and CJ4170) 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 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. (Fall)

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 organization 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. (Fall)

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. **Prerequisite:** 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. **Prerequisites:** 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. (Spring)

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. **Prerequisites:** 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. **Prerequisites:** 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 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. (Spring)

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 (Topics to be specified in Class Schedule) (1-5 units).

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)

Graduate

CJ 5000 Historical and Contemporary Criminological Thought (3 units).

Analysis of the historical evolution of current perspectives, comparison and critique of major and current perspectives, and examination of new trends in criminological thought. **Prerequisites:** Undergraduate course in criminology (SOCL 3120 or equivalent) or consent of graduate director; graduate standing.

CJ 5001 Historical Analysis of the American Criminal Justice System (3 units).

Political, social, economic, and jurisprudential analysis of the American criminal justice system, beginning with English common law. Includes a review of works by prominent British jurists and American criminal justice scholars, state and federal legislation, and constitutional analysis. **Prerequisites:** Undergraduate course in criminal justice (CJ 2250 or equivalent) or consent of instructor; graduate standing.

CJ 5101 Criminal Justice Planning and Innovation (3 units).

Seminar on criminal justice resource planning and innovation, including examination of criminal justice needs assessment, resource allocation, and implementation strategies. Analysis of innovations in criminal justice policy and program development and implementation. **Prerequisite:** Graduate standing.

CJ 5150 Contemporary Criminal Justice Issues Seminar (3 units).

Designed to examine the current issues in the field of criminal justice. Students will have the opportunity to discuss and explore the contemporary issues, current practice and controversies related to law enforcement, corrections, policy, services, prevention, and law. **Prerequisite:** Graduate standing.

CJ 5200 Advanced Statistics in Criminal Justice (3 units).

Provides the graduate student with computer experience in a statistical package for the social sciences and explores statistical issues in measurement of interest to criminal justice professionals. **Prerequisites:** Undergraduate course in statistics or data analysis (CJ 3170 or equivalent) or consent of graduate director; graduate standing.

CJ 5201 Quantitative Methods in Criminal Justice (3 units).

Explores the various experimental and quasi-experimental research designs used in criminal justice as well as correctional research. Students not only learn how these designs operate, but will develop a research project using one of them. **Prerequisites:** Consent of graduate director; graduate standing.

CJ 5202 Policy Research & Program Evaluation in Criminal Justice (3 units).

Students read reports and papers on the effectiveness of criminal justice agencies that target identifiable goals in an effort to conduct evaluation research. Integrates theoretical perspectives on criminal justice policy with specialized training in applied program evaluation research in order to develop students' understanding of the substantive and procedural issues in evaluation research. Students also examine research reports designed to develop agencies. **Prerequisites:** CJ 5200 or CJ 5201 or consent of graduate director; graduate standing.

CJ 5290 Management of Law Enforcement Organizations (3 units).

Considers the major issues confronting administrators of policy departments such as professionalism, recruitment, training, public relations, evaluation, collective bargaining, and charges of misconduct. **Prerequisites:** Undergraduate course in law enforcement management (CJ 3160 or equivalent) or consent of graduate director; graduate standing.

CJ 5320 Critical Examination of Criminal Law (3 units).

Examination of the evolution of and issues relating to American Criminal Law. Will include policy and constitutional considerations, discussions of how the criminal law shapes society and is shaped by society, and an exploration of the future of criminal law. **Prerequisites:** Undergraduate course in criminal law (CJ 2280 or equivalent) or consent of instructor or graduate director; graduate standing.

CJ 5325 Advanced Seminar in Domestic Violence and Intimate Abuse (3 units).

Analysis of domestic abuse and violence, including cohabitive heterosexual and homosexual partners and juvenile intimate abuse. Includes state and federal laws pertaining to domestic violence, battered woman's syndrome, self-defense in homicide cases, cyclical violence, treatment for batterers, children in abusive environments, and patricide. **Prerequisite:** Graduate standing.

CJ 5340 Constitutional Law in Criminal Justice Seminar (3 units).

Advanced legal analysis and case study of state criminal laws and the process of criminal justice within the context and constraints of the federal Constitution. Discussion will center on the evolution of procedural due process under the Fourteenth Amendment and Bill of Rights as interpreted by a changing Supreme Court. **Prerequisite:** CJ 5320 and consent of instructor.

CJ 5600 Teaching and Staff Development in Criminal Justice (3 units).

Provides graduate students the opportunity to obtain actual teaching and staff development experience by conducting teaching assignments in an undergraduate class under the supervision of a faculty member. Graduate students are required to attend teaching seminars to enhance their teaching skills. **Prerequisites:** Consent of graduate director; graduate standing.

CJ 5940 Graduate Internship in Criminal Justice (1-3 units).

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

CJ 5980 Individual Study (3 units).

For students enrolled in the Criminal Justice Master's Program capable of independent work and in need of study in advanced and specialized topics. Students may not take more than 3 units of Individual Study. **Prerequisites:** Consent of graduate director; graduate standing.

CJ 5990 Master's Thesis (3-6 units).

Preparation of a thesis for partial fulfillment of graduate requirements and oral defense of that thesis. **Prerequisites:** Completed at least 18 units of criminal justice graduate courses; consent of graduate director.

CJ 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Economics

College of Arts, Letters, and Sciences

Office: Bizzini Hall 101
(209) 667-3181

Fax: (209) 667-3588

E-mail: LRiddell@csustan.edu

Website: <http://www@csustan.edu/Econ/dept/Index>

Chair: Edward C. Erickson

Faculty: Edward C. Erickson, Eric E. Houk, Kelvin D. Jasek-Rysdahl, Eunguk Kim, Elaine J. Peterson

Emeritus Faculty: William D. Crist, Albert Yin-Po Lee, H. Dieter Renning

CAREER OPPORTUNITIES

General business, management; agriculture; banking and financial institutions; brokerage and investment firms; real estate development and management; education; federal, state and local government; health care systems; insurance; labor and industrial relations; law; market research and consulting; utilities; retail sector

The Department of Economics offers the degree Bachelor of Arts, Economics. The objectives of the major in economics are (1) to provide a concentration in economics as the central core of a liberal education; (2) to provide courses in advanced theories and principles of production, distribution, exchange, and consumption, thus enabling the major to enter graduate study (3) to provide an expanded pre-professional base for the student interested in business, better enabling the graduate to attain vocational objectives in government, business, and/or industry; and (4) to provide undergraduate and graduate service courses for the Master of Business Administration (MBA) program and the Master of Public Administration (MPA) program.

Bachelor of Arts, Economics

Requirements

1. Complete University 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 and Environmental Economics, 4 units
ECON 4600 Urban Economics, 3 units
- d. **Labor Economics**
ECON 4100 Labor Economics, 3 units
- e. **Economic History**
ECON 3100 Economic History of the United States, 3 units

Degree Minor

Requirements (18 units)

Complete ECON 2500 and 2510, Principles of Macro and Microeconomics, 6 units, and 12 units of upper-division course work as approved by the minor advisor.

Liberal Studies Concentration in Economics

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Economics.

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 course work 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

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 (Topics to be specified in Class Schedule) (1–5 units).

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. (Fall, 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 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 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 and Cooperative Education Office. (Fall, Winter, Spring)

ECON 4950 Selected Topics in Economics**(Topics to be specified in Class Schedule) (1–5 units).**

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)

Postbaccalaureate**ECON 5050 Business and the Economic Environment (3 units).**

Analysis of contemporary macro- and microeconomic problems and issues, related governmental policies, and their impact on the business firm. Including (but not limited to) unemployment, inflation, fiscal and monetary policy; government regulation of business; business concentration and anti-trust policy; income distribution; international economic relations. **Prerequisite:** MBA or MA candidacy. (Spring)

ECON 5980 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)

ECON 5990 Thesis (1–6 units).

Thesis research. May be repeated for a total of 6 units. **Prerequisites:** Consent of instructor and approval of graduate adviser.

Engineering

College of Arts, Letters, and Sciences

Office: Science Building 256
(209) 667-3466

Coordinator: Marvin Johnson

CAREER OPPORTUNITIES

Civil Engineer, Computer Engineering, Electrical Engineering, Mechanical Engineering, Engineering Management, Engineering Physics

Joint Engineering Program

CSU Stanislaus and the University of the Pacific (UOP) are offering a unique joint program for students seeking a career in engineering. Now it is possible to 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 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 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 time frame includes an opportunity to enroll in a Cooperative Education program, earning an income, and obtaining valuable practical experience and knowledge of the industry. This exciting program provides the necessary foundation in engineering education for a select group of motivated and qualified students.

For more information, consult the Pre-Engineering Coordinator, Dr. Marvin Johnson, in the Physics Department at CSU Stanislaus (209) 667-3466.

English

College of Arts, Letters, and Sciences

Office: Library Building 195
(209) 667-3361

Chair: Mark Thompson

Faculty: Paula Barrington-Schmidt, Anna L. Bolling, Rofiah Breen, John E. Carroll, Cheryl Christiansen, Scott Davis, Kimberly De Vries, William Foreman, Michael Fuller, Lola V. Johnson, Susan Marshall, Shea Mester, Stephanie Paterson, Tony Perrello, Paul P. Reuben, Arnold Schmidt, Rob Sledge, Christine Stryker, Stephen Stryker, Mark Thompson, Arnold Webb, Margaret Crumpton Winter

Emeritus Faculty: Harriet Blodgett, James P. Jensen, George Settera, Jr., Jack W. Williams

CAREER OPPORTUNITIES

Teaching, research, professional writing in business and government, editing

The Department of English offers the degrees Bachelor of Arts, English; Master of Arts, English; Liberal Studies degree concentrations in English and in Teaching English to Speakers of Other Languages (TESOL); a degree minor in English; and a certificate program in TESOL. Courses are offered in composition, rhetoric, literature, creative writing, film, and humanities.

Many career options are open to students of English, including teaching, journalism, publishing, advertising, and writing. Students find that studying English provides excellent preparation for postgraduate study and for careers in the legal professions, government, business, and industry.

The various programs of the department are designed to provide students with the skills essential for fluent and mature expression in their chosen subject fields. 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, English

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. 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
3. Complete the Major of not fewer than 33 upper-division units.
4. Consult with the major advisor concerning requirements, changes in curriculum, subject matter preparation programs, etc.

The Major (33 units)

1. 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
2. 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
3. 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
4. Select one of the following courses in World Literature (3 units)
 - ENGL 3510 Foreign Films, 4 units
 - ENGL 3920 Masterpieces 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
 5. 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 3011 Introduction to Rhetoric: A semester at the Institution, 4 units
 - ENGL 3500 Studies in Film, 4 units
 - ENGL 3510 Foreign Films, 4 units
 - ENGL 3750 Introduction to Linguistic Theory, 4 units
 - ENGL 3920 Masterpieces 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 advisor concerning which courses in English will best prepare them for graduate study.

TESOL Concentration within the English Major

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 (3 units), and ENGL 4600 Tutorial Projects (3 units).

Degree Minor

Requirements (18 units)

Complete 18 units to include at least 12 upper-division units. No more than six units of CR-graded course work 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 advisor (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 for the Liberal Studies concentration in English.

Liberal Studies Concentration in Teaching English to Speakers of Other Languages (TESOL)

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Teaching English to Speakers of Other Languages (TESOL).

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 in 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 (WP), 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

Teaching Credentials

Single Subject Matter Preparation Program

Those applying for admission to the single subject matter preparation program at CSU Stanislaus, and who are interested in obtaining the required certification of subject matter competency in English, should obtain the description of requirements for certification currently available in the Department of English.

Master of Arts Degree

Applications for admission to the Master of Arts program in English should be filed in the Office of the Graduate School, which will then forward them to the Department of English for processing.

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.

Prerequisites for Admission

1. For the MA-LIT and MA-RTW programs, a Bachelor of Arts degree normally with a major in English. Students from other majors may be required to take the GRE General Examination and/or prerequisite courses to prepare for the program.
2. An undergraduate grade point average of 3.0 in courses in the major.

3. Two letters of recommendation from former college instructors, or appropriate equivalents, who can comment on the applicant's ability to succeed in graduate studies.
4. A 5–10 page critical or analytical paper. It may be one written in an undergraduate class.
5. Upon acceptance to the program, students with a Bachelor of Arts in English with at least a 3.0 grade point average can be admitted as Fully Classified students. Applicants from other majors or with lower grade point averages may be required to take the GRE General Examination (earning a score of at least 500) and/or prerequisite courses.

General Requirements for the Master's Degree

1. Complete at least 30 graduate units.
2. Earn at least a grade of B– in each course.
3. Complete comprehensive exams, thesis, or project as indicated by program.

The Literature Program

In addition to the requirements listed above, students electing the literature program must take ENGL 5000 Graduate Studies: Critical Theory and Research and complete 12 units of 5000 level literature seminars.

Students who maintain a grade point average of at least 3.5 may elect to write a thesis. Students electing to write a thesis may apply a maximum of six units of ENGL 5990 Thesis toward the Master of Arts course work requirements. Students not eligible or not electing to write a thesis will instead complete six units of 5000 level literature seminars.

Students who plan to teach at the college or university level are strongly advised to take ENGL 5894 Teaching Composition and Literature.

The Rhetoric and Teaching Writing Program

The Rhetoric and Teaching Writing program will provide strong overviews of the history, research, methodologies, major emerging voices, and important questions in writing studies, rhetoric, and the teaching of writing. The program will provide a theory and research base for shaping a writing classroom and for further postgraduate work. This program consists of the following required courses:

1. ENGL 5001 Graduate Studies: History and Research Methods in Composition/Rhetoric, 3 units
2. ENGL 5010 Seminar: Composition/Rhetoric, 3 units (can be taken twice for credit)
3. ENGL 5020 Assessment in English, 3 units
4. ENGL 5870 Practicum: Writing and Teaching of Composition, 3 units
ENGL 5894 Teaching Composition and Literature, 3 units
5. ENGL 5960 Advanced Projects in English, 1-4 units
6. ENGL 5941 Internship: Teaching Writing, 3 units

Student undertaking an Advanced Project must also take:

ENGL 5960 Advanced Projects in English, 1-4 units

Recommended courses:

ENGL 5850 Linguistics for Teachers, 3 units
ENGL 5800 TESOL Theory, 3 units

The Program with a Concentration in Teaching English to Speakers of Other Languages (TESOL)

The student who elects to pursue the concentration in TESOL will develop a specialist's knowledge of English grammar, second language acquisition theory, methodology, curriculum and materials development, and crosscultural issues related to the teaching of English as a Second Language (ESL) and English as a Foreign Language (EFL). This

concentration is particularly appropriate for those who want to teach in postsecondary settings such as community colleges, universities, adult education programs, and English language institutes in the U.S. and abroad.

The Concentration in TESOL

Applicants with an undergraduate major in English should have course work in both literature and language studies. Applicants without an undergraduate major in English may be admitted conditionally but must complete the following:

1. ENGL 2210 American Literature after 1865, or its equivalent;
2. ENGL 3920 Masterpieces of World Literature, or its equivalent;
and
3. ENGL 3009 Writing for Teachers (WP), or its equivalent.

Students for whom English is a second language will have to demonstrate fluency in English before the M.A. will be awarded. MA-TESOL graduates are required to have completed at least two years of foreign language study at college level, or to demonstrate a comparable proficiency in a foreign language.

This concentration consists of the following required and elective courses. A graduate thesis/project (ENGL 5960) is optional.

Requirements

1. Complete the following prerequisite (4 units):
ENGL 3700 Introduction to Language, 3 units, or equivalent courses, **or**
ENGL 3750 Introduction to Linguistic Theory, 4 units
2. Complete the following courses (9 units):
ENGL 5001 Research Methods: Composition/Rhetoric, 3 units
ENGL 5800 Advanced TESOL Theory and Methodology, 3 units
ENGL 5870 Practicum: Writing and Teaching Composition, 3 units
3. Select elective courses from the following four categories (21 units):
 - a. **ESL Theory**
ENGL 4800 Second Language Acquisition, 3 units, **or**
COMM 4800 Second Language Acquisition, 3 units
ENGL 4850 English Grammar, 3 units
ENGL 4990 Senior Seminar, 4 units
ENGL 5850 Linguistics for Teachers, 3 units
ENGL 5983 Advanced Studies in Grammar, 3 units
EDML 5400 Theory of Multilingual Education, 3 units
 - b. **ESL Pedagogy**
ENGL 4600 Tutorial Projects in English (WP), 3 units
ENGL 4615 TESOL Methods, 3 units
ENGL 5020 Assessment in English, 3 units
ENGL 5884 Practicum in Teaching Composition and Literature, 1 unit
ENGL 5894 Teaching Composition and Literature, 3 units
EDML 5000 Multilingual Education in the Content Areas, 3 units
EDML 5001 Multilingual Education Evaluation, 3 units
EDML 5940 Fieldwork: Multicultural Education, 3 units
 - c. **Related courses - Psychological/Social Sciences (3 units)**
Related courses (with written approval of advisor) including anthropology, geography, education, ethnic studies, history, international relations, and psychology.
 - d. **Related courses - Humanities (3 units)**
Related courses (with written approval of advisor) including communication theory, composition theory, creative writing, foreign language, and literature.

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

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.

Course Descriptions

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)

Course Descriptions

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.

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–T148. (Fall, Spring)

Lower Division

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 T149 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 neo-classical 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 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 identify 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). **Prerequisites:** Junior standing and ENGL 1001 or 1002; ENGL 2000 or equivalents.

ENGL 3101 Critical Approaches to Literature (3 units).

An examination of critical theories and approaches to the study of literature. Must be taken the semester after having completed ENGL 3100. **Prerequisites:** ENGL 1001, or equivalent; ENGL 2100 or 2110; ENGL 2200, or 2210, or equivalents.

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 3100.

ENGL 3150 Approaches to Literary Study (WP) (4 units).

Gateway course to the major. Students examine a variety of literary forms and methods of 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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 Introduction to Film, 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 Masterpieces of World Literature (3 units). A survey of important literary works written by major writers in world literature. Includes works by Homer, Sophocles, Dante, Shakespeare, at least one novel of the 19th or 20th century, and at least one drama or film of the 19th or 20th century. 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 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 3100 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-stories, 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 3100.

ENGL 4105 English Novel I (3 units). Authors to be studied may include Defoe, Richardson, Fielding, Sterne, Smollett, Austen. **Prerequisite:** ENGL 3100.

ENGL 4106 English Novel II (3 units). Authors to be studied may include Dickens, Thackeray, Bronte, Eliot, Hardy, Wilde. **Prerequisite:** ENGL 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

ENGL 4120 American Poetry (3 units). Lyric, narrative, and/or dramatic poetry in American literature. **Prerequisite:** ENGL 3100.

ENGL 4130 Dramatic Literature I (3 units). Analysis of drama as literary form: Classics of the Greek, Renaissance, and Restoration theatres. **Prerequisite:** ENGL 3100.

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 3100.

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 3100.

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 3100.

ENGL 4305 Chaucer (3 units).

The works of Chaucer with emphasis on *The Canterbury Tales*. **Prerequisite:** ENGL 3100.

ENGL 4310 Milton (3 units).

Representative poetry and prose of Milton, with emphasis on *Paradise Lost*. **Prerequisite:** ENGL 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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 3100.

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. (Fall, Winter, Spring)

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. (Fall, Spring)

Graduate

ENGL 5000 Graduate Studies: Critical Theory and Research (3 units).

Theory of literary criticism, from classicism to postmodernity. Modern approaches and methods in the study of the uses of language and literature. Bibliographical resources and methods for graduate work in English. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator. (Fall)

ENGL 5001 Graduate Studies: History and Research Methods in Composition/ Rhetoric (3 units).

Focuses on many theories of rhetoric which underlie contemporary classroom practices in the teaching of writing. The goal of the course is to familiarize students with some issues in the field of composition by examining current theories, research, and pedagogy. Required for all students electing the rhetoric and teaching of writing concentration. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator. (Fall)

ENGL 5010 Seminar: Composition/Rhetoric (3 units).

Emphasis will be on rhetorical theories and composition studies. Topics for this seminar may vary from semester to semester. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5020 Assessment in English (3 units).

Focuses on assessment ranging from that of specific assignments, examinations, and types of student discourse to longitudinal program assessment of design, curriculum, instruction, and learning outcomes. Students will participate in departmental or other assigned assessment projects. **Prerequisites:** ENGL 5001 or concurrent enrollment in ENGL 5001 or consent of instructor.

ENGL 5100 Seminar: Medieval Literature (3 units).

Focuses on the works of one or more major British authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 6 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5200 Seminar: The Renaissance (3 units).

Focuses on the works of one or more major British authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 6 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5300 Seminar: The Enlightenment and 18th Century (3 units).

Focuses on the works of one or more major British authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 6 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5400 Seminar: The Nineteenth Century (3 units).

Focuses on the works of one or more major British authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 6 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5500 Seminar: The Twentieth Century (3 units).

Focuses on the works of one or more major British and Irish authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 6 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5600 Seminar: American Literature Before 1900 (3 units).

(Formerly *Seminar: American Literature*) Focuses on the works of one or more major authors. Since the particular authors to be studied will vary each time the seminar is offered, this course may be repeated for a total of 9 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5700 Seminar: 20th Century American Literature (3 units).

Focuses on the works of one or more authors, or upon a genre or period. Since the particular focus will vary each time the seminar is offered, this course may be repeated for a total of 9 units. **Prerequisite:** Graduate standing or consent of English Graduate Coordinator.

ENGL 5800 Advanced TESOL Theory and Methodology (3 units).

Provides students in the TESOL concentration the opportunity to examine in depth the interaction between second language teaching methodology and second language acquisition theory, with special emphasis on adult language learning. Some classroom observation required. **Prerequisites:** Graduate standing, ENGL 4615 and 4800.

ENGL 5850 Linguistics for Teachers (3 units).

Designed to familiarize students with the variety of applications of linguistics to teaching composition. Topics covered will include Transformations and Style; What Do You Teach When You Teach Grammar?; What's Awkward About AWK?; The Relationship Between Reading and Writing, etc. **Prerequisite:** ENGL 3750 or 4850 or consent of instructor. (Spring)

ENGL 5870 Practicum: Writing and Teaching of Composition (3 units).

Supervised observation and participation in existing university writing programs. Includes regular meetings with the student's assigned supervisor and master teacher. **Prerequisite:** Completion of one of the MA-RTW core courses. (Spring)

ENGL 5884 Practicum in Teaching Composition and Literature (1 unit).

Supervised discussion of classroom experiences of those teaching literature and composition. **Prerequisite:** ENGL 5894; or concurrent enrollment in ENGL 5894; or appointment as a graduate assistant in the Department of English for the term.

ENGL 5894 Teaching Composition and Literature (3 units).

(Formerly ENGL 5940.) Practical application of literary and composition theory and research. For those who plan to teach at the college level. Pre- or corequisite for teaching assistantships. **Prerequisite:** Graduate standing or consent of instructor.

ENGL 5940 Internship in English (3 units).

Supervised instruction and practical experience in teaching literature, composition, and English as a Second Language (ESL). **Prerequisite:** Graduate standing. (Fall, Spring)

ENGL 5941 Internship: Teaching Writing (3 units).

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

ENGL 5950 Selected Topics in English (Topics to be specified in Class Schedule) (1–5 units).

Development of a selected topic in English. Topics will vary. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

ENGL 5960 Advanced Projects in English (1–4 units).

Directed study in applied research. Students will refute, refine, or replicate existing research on a subject of relevance to composition or critical analysis. Findings will be presented in a colloquium. The project will usually take more than one term to complete. **Prerequisites:** ENGL 5001 and consent of the English Graduate Director.

ENGL 5980 Individual Study (1–4 units).

For qualified postbaccalaureate students in need of advanced or specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Fall, Spring)

ENGL 5990 Thesis (3 units). (Fall, Spring)**ENGL 7005 Continuing Thesis or Project (0 units).**

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Environmental and Resource Studies

College of Arts, Letters, and Sciences

Office: Bizzini Hall 215
(209) 667-3127

Coordinator: Ida I. Bowers (Geography)

Advisers: Lawrence L. Giventer, Steven W. Hughes (Politics and Public Administration);
Patrick A. Kelly, Ann K. Kohlhaas, (Biological Sciences); Michael J. Perona (Chemistry)

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 "General Education Breadth Requirements" 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**
ZOO 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
- BIOL 4860 Cell Culture and Advanced Biotechnology, 2 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 3000 Physical and 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, 3 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.

Environmental Sciences

Concentration in Natural and Physical Sciences College of Arts, Letters, and Sciences

Office: Science Building 201A
(209) 667-3384

Coordinator: Peter Nico

E-mail: nico@chem.csustan.edu

CAREER OPPORTUNITIES

Research: In both private and public sectors, as well as state and federal government agencies

Industry/Government: Environmental protection, monitoring, planning, consulting, conservation ecology, environmental health, resources manager

Teaching: High school and college levels

Communications: Public communications, technical writers, environmental adviser

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 for the Concentration (55 units minimum)*

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 course work for the Environmental Sciences concentration (20–22 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: This 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.

* Most of these units will double-count in the major.

Ethnic Studies

**Degree Minor and Concentration
within the Liberal Studies Major and Social Science Major
College of Arts, Letters, and Sciences**

Office: Bizzini Hall 215
(209) 667-3127

Chair: Sari Antonio-Miller

Faculty: Angela Cotten, Lilia DeKatzew, Antonio Rios-Bustamante, Kou Yang

CAREER OPPORTUNITIES

Government, business, industry, teaching

Ethnic Studies is a multidisciplinary program coordinating courses, activities, and projects to enhance the student's understanding of the roles, functions, and lifestyles of American ethnic minorities.

Students may take interdisciplinary courses offered through the ethnic studies program or courses offered by faculty from 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 Chicana/o Thought, 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, 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 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 Mexican American Politics Since 1850, 3 units
- ETHS 3200 Gender Roles in the Chicano Community, 3 units
- ETHS 4000 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, 4 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

CSU Stanislaus students are guaranteed that they can fulfill all upper-division requirements for both the minors in Ethnic Studies and African American Studies as well as for the concentration in Ethnic Studies in Stockton. Both lower- and upper-division courses for the minors and concentration are available 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 Concentration in Ethnic Studies

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Ethnic Studies.

Liberal Studies Concentration in Bilingual/Crosscultural-Spanish

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Bilingual/Crosscultural-Spanish.

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 (Topics to be specified in Class Schedule) (1–5 units).

Development of a selected branch of ethnic studies. Topics vary each term, thus different topics may be taken for credit.

Upper Division

ETHS 3000 Mexican American Politics Since 1850 (3 units).

A critical analysis of the Chicano's political participation in the United States since 1850. Special emphasis will be placed on the cultural factors as well as economic and social conditions that allowed or prevented their full political participation. **Prerequisite:** ETHS 2100.

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 Chicana/o Thought (3 units).

Investigate chicana/o philosophy as presented in significant writings from such authors as Rudolfo "Corky" Gonzalez, Rudolfo Anaya, Ana Castillo, and others. Issues of Aztlán, feminism, resistance to oppression, and immigrant's rights will be investigated. Blends readings from the humanities and the social sciences.

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) (Fall)

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. (Fall, Spring)

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. (Winter)

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. Designed specifically for future teachers (LIBS Integrative: Humanistic Inquiry).

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 (Topics to be specified in Class Schedule) (1-5 units).
Development of a selected branch of ethnic studies. Topics vary each term, thus different topics may be taken for credit. **Prerequisite:** Consent of instructor. (Spring)

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:** Course work 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.

Exceptional Children and Youth

Degree Minor
College of Education

Office: Demergasso-Bava Hall 348

Program Coordinator: Cathy L. Watkins

Minor in Exceptional Children and Youth

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
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 minor (3 units):

PSYC 4150 Learning Disabilities, 3 units
PSYC 4130 Psychological Disorders of Children, 3 units
EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom,
3 units

Finance

College of Business Administration

Office: Demergasso-Bava Hall 216
(209) 667-3671, (209) 667-3042 Fax

Chair: David H. Lindsay

Faculty: U. Rao Cherukuri, Chanwit Phengpis, Andrew J. Wagner

Emeritus Faculty: Daniel R. Vellenga

CAREER OPPORTUNITIES

Financial administration of industrial, commercial, utility, and government enterprises; banks, savings and loan associations; insurance companies, investment companies, stock brokerage houses, and investment bankers

Finance Concentration

Business finance is the three-fold function of determining funds requirements, evaluating and selecting alternate sources of funds, and managing available funds in order to achieve specified objectives.

Professional careers in finance are to be found in the financial administration of industrial, commercial, utility, and government enterprises as well as in financial institutions such as commercial banks, savings and loan associations, insurance companies, investment companies, stock brokerage houses, and investment banks.

Requirements

1. Complete University requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration degree.
3. Complete the business administration core.
4. 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 4850 Computer Applications in Finance, 4 units (Lecture, 3 units; laboratory, 1 unit)

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 Lotus 1-2-3 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 Lotus and IFPS+ 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 (Topics to be specified in Class Schedule) (1-4 units).

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.

Graduate**FIN 5020 Management of Financial Resources (3 units).**

Intended to lay theoretical foundations of financial policy. Cases and problems provide application of theory to financial decisions involving cash flow management, capital structure, cost of capital, capital budgeting, dividend policy, etc., of enterprises operating for profit. Accessing computer files (library programs and data banks) in financial analysis and decision making is introduced. **Prerequisites:** ACC 5070, OM 5020, or equivalents. (Fall, Spring)

FIN 5210 Managerial Finance (3 units).

Focuses attention on financial management of business enterprises and its relation to other functional areas of management and to general business policy. Extensive use of case problems and/or simulation exercises provides applications of theory to financial decisions involving cash flow management, capital structure planning, capital costs, capital budgeting, dividend policy, and valuation of enterprises operating for profit. **Prerequisites:** FIN 5020, ECON 5050, and ACC 5110 or equivalents. (Fall, Spring)

FIN 5220 Security Analysis and Portfolio Management (3 units).

Advanced treatment of the analysis of securities and the theoretical and applied issues of portfolio management. **Prerequisite:** FIN 5020 or equivalent.

FIN 5240 Management of Financial Institutions (3 units).

Detailed examination of the management of financial institutions. Topics include financial statements of financial institutions, investment management, loan management, liability and deposit management, capital management. **Prerequisite:** FIN 5020 or equivalent.

FIN 5310 Real Estate Finance and Investment (3 units).

Advanced treatment of financial analysis as applied to investment in real estate. Emphasis will be on appraisal theory, risk and return measurement. **Prerequisite:** FIN 5020 or equivalent.

FIN 5330 International Financial Management (3 units).

Analysis of the international monetary and financial system and the financial management issues of corporations operating internationally. **Prerequisite:** FIN 5020 or equivalent.

FIN 5340 Financial Markets (3 units).

Analysis of the functioning and role of the financial markets. Topics include wholesale financial markets and retail financial markets, role of the institutions, supply-demand model of interest rates, flow of funds analysis. **Prerequisite:** FIN 5020 or equivalent.

FIN 5341 European Financial Markets (1 unit).

Analysis of the functioning role of financial markets with a special emphasis on American and European markets. **Prerequisites:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5410 Strategy for Financial Managers (3 units).

Analysis and evaluation of the problems, opportunities, and ethical responsibilities that face financial managers of a business firm. Students are exposed to a variety of business situations through the case method. Additionally, this course will address the implications of conducting business in a global environment. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5415 Political, Cultural, and Social Environments (2 units).

Description and explanation of the major differences between the political, social, and cultural environment in the U.S., France, and other European countries. Special emphasis on companies operating in these different markets. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5425 Corporate Governance and Ethics (2 units).

Examination of institutional and policy framework for corporations as they are created (entrepreneurship), through their governance structures, to market exit (insolvency). Addresses the philosophical processes involved with moral reasoning as they relate to financial management. Moreover, the course goes beyond moral development to include motivation, virtue, personal character, and other elements to ethical decision-making. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5435 Financial Engineering and Risk Management (4 units).

Analysis of different financial techniques used by banks and venture capital firms to measure and manage the risks faced by businesses. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5440 Seminar on Financial Professions (1 unit).

Examination of various financial professions in private firms and banks. Materials will be used to strengthen student knowledge of current opportunities and practices in the U.S., France, and other European countries. Guest speakers from various corporations and institutions will share their knowledge and experiences. **Prerequisite:** Admission to the MSBA, Finance program or consent of instructor. (Spring)

FIN 5940 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 5950 Selected Topics in Finance

(Topics to be specified in Class Schedule) (1–4 units).

Innovative course of study. Different topics may be taken for credit.

Prerequisite: Consent of instructor.

FIN 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements.

FIN 5980 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.

FIN 5990 Graduate Thesis (3 units).

This enrollment involves consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Gender Studies

Minor

College of Arts, Letters, and Sciences

Office: Bizzini Hall 107D
(209) 664-6673

Director: Betsy Eudey

Faculty: Valerie E. Broin, Betsy Eudey

Emeritus Faculty: Judith J. Hendricks

CAREER OPPORTUNITIES

Business, Industry, Government and Politics, Human and Social Services, Teaching, Law, Journalism, Health Professions, Management
A gender studies minor furthers any career choice.

This program is designed to provide support and assistance 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 courses that focus on women's studies and on gender issues in our society. Electives may be selected from a variety of courses which 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.

The Minor in Gender Studies

Core Requirements (12 units):

- Complete the following core course (3 units):
GEND 3550 Society and Gender, 3 units
- Select ONE of the following (3 units):
GEND 3000 Contemporary Gender Studies, 3 units **or**
GEND 4200 Gender Theory, 3 units
- 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):

- 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 3600 Psychology of Women, 3 units
GEND/HIST 3680 Gender in United States History, 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 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.*

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) (Formerly *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 3680 Gender in United States History (3 units).

(Same as HIST 3680) 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:** Sophomore standing or consent of instructor.

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 socio-cultural 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:** Completion of the Writing Proficiency Screening Test with a passing score; 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) (Fall)

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. (Fall, Spring)

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. (Winter)

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.

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/acculturation, multiculturalism, and diversity. Satisfies G.E. area F2 and G. Designed specifically for future teachers (LIBS Integrative: Humanistic Inquiry).

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. Satisfies G.E. areas F3 and G. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). **Prerequisite:** Consent of Summit Program Coordinator.

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**(Topics to be specified in the Schedule of Classes) (1-5 units).**

(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.

Postbaccalaureate**GEND 5980 Individual Study (1-4 units).**

For postbaccalaureate students who seek advanced or specialized study in gender studies. **Prerequisite:** Consent of instructor and approval of graduate advisor.

General Business

College of Business Administration

Office: Demergasso-Bava Hall 223
(209) 667-3507, (209) 667-3210 Fax

Advisor: Nael A. Aly

CAREER OPPORTUNITIES

The broad overview of business presented in the General Business concentration enables graduates to gain entry into a variety of lower-level management positions in a broad range of businesses.

The General Business concentration is intended for those students wishing to take course work in several functional areas of business. To this end, the student must choose course work 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 requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration degree.
3. Complete the business administration core.
4. Complete the concentration.

The Concentration (15 units)

Complete 15 units of upper-division (3000– and 4000– numbered courses) course work 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 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. **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 D2a. (Fall, Spring, Summer)

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 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: Completion of the Writing Proficiency Screening Test with a passing score; junior standing; ENGL 1001, or 1002 and 200 or equivalents.

Graduate

BUS 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured

Geography

College of Arts, Letters, and Sciences

Office: Bizzini Hall 215
(209) 667-3127

Chair: Michael J. Schmandt

Faculty: Charles Bowen, Ida I. Bowers, Richard Eigenheer, Jennifer Helzer, Eric T. Karlstrom, Michael J. Schmandt

Emeritus Faculty: Melvin H. Aamodt, Leon S. Pitman

CAREER OPPORTUNITIES

Opportunities for students with a degree in geography include careers in city or regional planning, land use and environmental planning, park rangers, map making, geographic information systems analysts (utilizing computer software), teaching, and others. Students should discuss career opportunities in geography with a geography adviser.

The Department of Anthropology and Geography offers a major and minor in Geography, as well as an optional concentration in Applied Geography and a Geography concentration for the Liberal Studies and Social Sciences major. In addition, Geography offers courses for Environmental and Resource Studies, Agricultural Studies, International Studies (SSCI), and Urban and Community Studies (SSCI). Courses are open to all students interested in gaining a better understanding of the world in which they live.

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 of Anthropology and Geography 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 offered by the Department and/or certain general education requirements. Students should consult the International Programs Bulletin available from the Office of Global Affairs located in the Student Services Building (SSB), then discuss the possibilities with a departmental advisor.

Bachelor of Arts, Geography

Requirements

1. Complete University 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 course work 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 advisor for further information.

The Major (36 units minimum)

1. 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 1.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 advisor.

- 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, 3 units
GEOG 4750 Geographic Information Systems, 3 units

Note: In the event that GEOG 4700 or 4710 is not available, see your advisor 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.

- Complete the prerequisites to the major (6 units).
- 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
- 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
- Complete the following as per advisement (18 units):
 - Six units of Physical Geography
 - Three units of Regional Geography
 - Six units of Human Geography
 - Three units of upper-Division Geography Electives

Degree Minor

Requirements (18 units)

Complete 18 semester units approved by the minor advisor, 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:

- Human Geography
- Physical Geography
- Regional Geography

Note: See the department for further information.

Liberal Studies Concentration in Geography

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Geography.

Teaching Credentials

Majors in geography interested in a single subject teaching credential should review the Social Sciences Subject Matter Preparation Program in this catalog. Please refer to the "College of Education, Teacher Education" section of this catalog for a description of other requirements to be completed for the single subject credential.

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 life styles 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 guide book, 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 three cluster 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; field work 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 (Topics to be specified in Class Schedule) (1-5 units).

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.

Postbaccalaureate**GEOG 5250 The Ethnoecology of Southeast Asia (4 units).**

(Same as ANTH 5250) 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:** Graduate standing or consent of instructor.

GEOG 5800 Seminar in the Development of Geographic Thought (3 units).

Seminar in the history and philosophy of geography, its place among the sciences and humanities, and the major contributors to the development of modern scientific geography. **Prerequisites:** Graduate standing and consent of instructor.

GEOG 5850 Seminar in Graduate Research (2 units).

Considers the techniques used, problems encountered, and results of the current research of graduate students. May be repeated once for credit. **Prerequisites:** Graduate standing and consent of instructor.

GEOG 5900 Directed Field Research (1–5 units).

Field research conducted in a subdiscipline of geography under the direction of a specific faculty member. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. Available only for postbaccalaureate credit.

GEOG 5940 Internship in Geography (1-6 units).

Designed for postbaccalaureate or graduate students who are serving as interns in public or private agencies. Students serve internship as arranged between the agency and the department. **Prerequisites:** Graduate standing and consent of instructor.

GEOG 5950 Selected Topics in Geography (1-5 units). (Topics to be specified in Schedule of Classes.)

Innovative course of study in seminar format. Topics vary. Different topics may be taken for credit. Available only for postbaccalaureate credit. **Prerequisite:** Consent of instructor.

GEOG 5980 Individual Study (1–4 units).

Individual study for qualified postbaccalaureate students in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor.

GEOG 5990 Thesis (3–6 units).

Thesis research. May be repeated for a total of 6 units. **Prerequisite:** Consent of graduate adviser.

Geology

College of Arts, Letters, and Sciences

Office: Science Building 256
(209) 667-3466

Coordinator: Horacio Ferriz

E-mail: geology@science.csustan.edu

Website: <http://geology.csustan.edu/>

Faculty: Horacio Ferriz, Mario J. Giaramita, Julia Sankey, Stephen Kuehn

Emeritus Faculty: Abbas Kimyai, Vladimir S. Tuman

CAREER OPPORTUNITIES

Hydrogeological consultant, engineering geologist, environmental geologist, paleontologist, volcanologist; geologist for mining companies, national parks, oil companies; teacher.

The Department of Physics, Physical Sciences, and Geology offers undergraduate curricula leading to the Bachelor of Science degree in geology. The program consists of required courses plus electives to meet the needs of students who are preparing for employment in geology and for admission to graduate study in geology.

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 in fields such as exploration geologist, hydrogeologist, engineering geologist, environmentalist, and park naturalist.

The department also offers a degree minor in geology. A concentration in Earth Sciences for the Bachelor of Arts degree in Liberal Studies is available (see Liberal Studies section of the catalog).

Students interested in a single subject credential in the sciences with a concentration in Geoscience should contact the Geology Program regarding subject matter competency requirements.

Bachelor of Science, Geology

Requirements

1. Complete University requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites to the major (36-38 units):
 - a. CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
 - b. MATH 1600 Statistics, 4 units, **and** Introductory Computer Programming in Basic, Fortran, or Pascal, 2-4 units, **or** MATH 1910, 1920 Calculus with Applications I, II, 6 units, **or equivalent**
 - c. 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
 - d. GEOL 2100 Principles of Geology, 3 units, **and** GEOL 2102 Principles of Geology Lab, 1 unit
 - e. Lower-division geology electives, 6 units
3. Complete the major of not less than 38 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 (38 units)

1. Complete the following required courses (27 units):
 - GEOL 3250 Mineralogy, 4 units
 - GEOL 3300 Paleontology, 4 units
 - GEOL 3400 Plate Tectonics, 4 units
 - GEOL 4360 Structural Geology, 4 units
 - GEOL 4380 Sedimentary Rocks, 4 units
 - GEOL 4390 Stratigraphy, 3 units
 - GEOL 4500 Field Geology (WP), 4 units
2. Select a minimum of 11 units from the following electives. Substitution of science or mathematics courses is permitted by approval of adviser.
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3700 Igneous and Metamorphic Petrology, 4 units
 - GEOL 3800 Optical Mineralogy, 3 units
 - GEOL 3810 Hydrogeology, 3 units
 - GEOL 4000 California Field Excursions, 2 units
 - GEOL 4350 Geophysical Exploration, 3 units
 - GEOL 4400 Applied Geology, 3 units
 - GEOL 4600 Geology of Petroleum, 3 units
 - GEOL 4810 Water Resources Development and Management, 4 units
 - GEOG 4120 Geomorphology, 3 units

Applied Geology Concentration

Requirements (16 units)

Students desiring the Applied Geology Concentration may do so by completing the following courses to satisfy the elective course requirements of the Bachelor of Science degree in Geology, in addition to prerequisites and required courses. A minimum of 16 upper division units must be completed within the area of concentration.

1. Complete the following courses (10 units):
 - GEOL 3810 Hydrogeology, 3 units
 - GEOL 4350 Geophysical Exploration, 3 units
 - GEOL 4400 Applied Geology, 3 units
 - GEOL 4402 Applied Geology Laboratory, 1 unit
2. Complete a minimum of 6 elective units from the following courses:
 - GEOL 3050 Environmental Geology, 4 units
 - GEOL 4810 Water Resources Development and Management, 4 units
 - GEOG 3751 Introduction to Computer Applications in Geography, 3 units
 - CHEM 3100 Environmental Chemistry, 3 units
 - PHYS 3100 Classical Mechanics, 4 units

Degree Minor

Requirements (18 units)

1. Select three to ten units from the following lower-division courses:
 - GEOL 2000 California Geology, 3 units
 - GEOL 2100 Principles of Geology, 3 units
 - GEOL 2102 Principles of Geology Lab, 1 unit
 - GEOL 2200 Historical Geology, 4 units

Note: Equivalent substitution permitted with approval of minor adviser.

2. Complete upper-division courses as approved by minor adviser, 8–15 units.

Liberal Studies Concentration in Earth Sciences

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Earth Sciences.

Teaching Credentials

Students interested in a single subject teaching credential in the sciences must consult with their adviser about the subject matter competency requirements.

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 Sierras, 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. Includes global plate tectonics which are 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 2100 or GEOL 2400. Classification of minerals and rocks; reading and interpreting topographic and geologic maps; studies of selected problems in plate tectonics, structural geology, groundwater mass movement, etc. Satisfies G.E. area B1. **Prerequisite:** GEOL 2100 or GEOL 2400, or concurrent enrollment in GEOL 2100 or GEOL 2400. [Required for Geology majors and those seeking a teaching credential under the Science Subject Matter Preparation Program; otherwise optional.] (Laboratory, 3 hours, including some field trips) (Fall, Spring)

GEOL 2200 Historical Geology (4 units).

Introduction to the application of scientific method to the study of the history of the earth from its origin to the present; consideration of the principles and methods by which earth history is deciphered; nature and paleogeography of Paleozoic, Mesozoic, and Cenozoic eras. Satisfies G.E. area B1. **Corequisite:** GEOL 2202. (Lecture, 3 hours; laboratory, 3 hours) (CAN GEOL 4)

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)

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. **Prerequisites:** None; recommend GEOL 2100. **Corequisite:** GEOL 3053. (Lecture, 3 hours; activity, 2 hours) (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 3300 Paleontology (4 units).

Morphology, systematics, evolution, and paleoecology of fossil organisms with emphasis on the phyla of major invertebrate fossils. **Corequisite:** GEOL 3302. **Prerequisites:** GEOL 2100 and GEOL 2102 or equivalent. (Lecture, 3 hours; laboratory, 3 hours) (Fall, alternate years)

GEOL 3400 Plate Tectonics (4 units).

Study of the theory of plate tectonics and present magnetic gravity, heat flow, earthquake, and other evidence in the support of the theory. **Prerequisite:** GEOL 2100. (Lecture, 4 hours) (Fall, alternate years)

GEOL 3500 Earthquakes and Volcanoes (3 units).

Application of the scientific method and geologic principles to study the nature, causes, and prediction of earthquakes and volcanoes; analysis of earthquakes and volcanoes in regional settings such as the San Andreas Fault, Coalinga, Morgan Hill, and Mammoth Lake earthquakes. 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).

Illustrates how the scientific method is applied to the study of the oceans. It will examine the oceans primarily from the geological perspective, and integrate 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. **Prerequisites:** GEOL 2100, 2102, and understanding of algebra. (Lecture, 3 hours; field trip)

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. **Prerequisites:** Completion of all G.E. or Liberal Studies requirements in area B. (Lecture, 2 hours; laboratory, 3 hours)

GEOL 3700 Igneous and Metamorphic Petrology (4 units).

Origin, occurrence, identification, and classification of igneous and metamorphic rocks; mineralogical and textural features of igneous and metamorphic terrains will be examined; laboratory work will include examination of samples in hand specimen and thin sections. **Corequisite:** GEOL 3702. **Prerequisites:** GEOL 2100 and GEOL 2102. (Lecture, 3 hours; laboratory, 3 hours, including some field trips) (Spring, alternate years)

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 (3 units).

Theory of ground water; factors related to occurrence and development of ground water resource; occurrence of water in plutonic, sedimentary, metamorphic, and alluvial terrains. **Prerequisites:** GEOL 2100 and GEOL 2102. (Lecture, 3 hours)

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 4350 Geophysical Exploration (3 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. **Prerequisites:** GEOL 2100, GEOL 2102 and PHYS 2110, or consent of instructor. (Lecture, 3 hours)

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 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 Stratigraphy (3 units).

A review of rock formations and types of rocks. Sedimentary rocks will be discussed in detail. These formations will be classified and correlated. Interpretation of depositional environment will be discussed in detail. **Prerequisites:** GEOL 2100 and GEOL 2102. (Lecture, 3 hours) (Spring, alternate years)

GEOL 4400 Applied Geology (3 units).

A practical course about the nature of professional geologic work. Includes discussions about engineering geology (the use 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. **Prerequisite:** GEOL 4360 or consent of instructor.

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) (Fall)

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 report. 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 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 field work 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)

Postbaccalaureate

GEOL 5900 Directed Field Research (1–6 units).

Field research to be conducted in an area of geology under the general supervision of a faculty member. May be repeated for a total of 6 units. **Prerequisites:** Bachelor's degree and consent of instructor. (Fall, Spring)

GEOL 5960 Graduate Project (1–6 units).

Alternative to a thesis. Directed study in applied research resulting in a written document. **Prerequisites:** Admission to classified graduate standing and consent of graduate adviser.

GEOL 5980 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. (Fall, Spring)

GEOL 5990 Thesis (1–6 units).

Preparation of a thesis for partial fulfillment of special master's program. **Prerequisite:** Admission to classified graduate standing. (Fall, Spring)

Gerontology

Degree Minor

College of Arts, Letters, and Sciences

Office: Bizzini Hall 213
(209) 667-3408

Coordinator: Walter E. Doraz

CAREER OPPORTUNITIES

Health facilities, nursing homes, HMO's, social services, senior centers, community agencies, adult day care, retirement communities. In corporations, new products and marketing. Federal-state legislative, planning agencies, area agencies on aging, mental health facilities, VA, homebound, day treatment programs, rehabilitation and job placement, living arrangements, advocacy.

Gerontology is the study of aging with particular focus on the latter part of the life cycle. It 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 for the Minor (18 units)

1. Complete the following required courses (12 units):
 - COMM 4130 Communication and Aging, 3 units
 - MDIS 4000 Introduction to Gerontology, 3 units
 - PSYC 3340 Human Development III: Adulthood and Aging, 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.

Course Description

MDIS 4000 Introduction to Gerontology (3 units).

(Formerly MDIS 3000) A broad overview of the current concepts, issues, and processes associated with human aging and the latter part of the life cycle. The problems and challenges facing the older person will be explored from the perspectives of various disciplines as they contribute to our understanding of related systems. **Prerequisite:** Junior, senior, or graduate standing. (Offered alternate years)

History

College of Arts, Letters, and Sciences

Office: Bizzini Hall 118
(209) 667-3238

Chair: Richard C. Weikart

Faculty: Austin Metumara Ahanotu, Bret E. Carroll, Samuel A. Oppenheim, Samuel O. Regalado, Katherine Royer, Marjorie Sanchez-Walker, Nancy J. Taniguchi, Shuo Wang, Richard C. Weikart

Emeritus Faculty: Britten Dean, Curtis R. Grant, John P. Rasmussen, J. W. Smurr

CAREER OPPORTUNITIES

Civil Service/Foreign Services, educator, researchers (policy advisers, museums, and historical organizations, cultural resources management and historic preservation), writers and editors (journalism), information management (archival management, records management, librarianship), advocates (law, public policy making), business people (the corporate world, professionals)

The Department of History offers the degrees Bachelor of Arts, History; Master of Arts, History; Master of Arts in History, with a concentration in International Relations; and Master of Arts in History, with a concentration for secondary school teachers. The University also offers the degree Bachelor of Arts, Liberal Studies, with a concentration in History for those seeking a multiple subject credential.

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, History

Requirements

1. Complete University 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, 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, 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 are starred (). 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 (WP), 4 units
 5. Complete sufficient electives to equal at least 30 upper-division units in history.

Degree Minor

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 new World History minor in the History Department 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 junior colleges may satisfy these requirements, but they must be world, not western, civilization courses.

Upper-Division

I. Global - Comparative

- a. **Two of the following (6 units):**
 - HIST 3090 Contemporary World History, 3 units
 - HIST 3400 The Great Teachings, 3 units
(HIST 3090 and 3400 also fulfill university multicultural requirement)
 - HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
 - HIST 4730 Disease and World Societies, 3 units
- b. **One of the following may be substituted for one class above:**
 - HIST 3120 Ancient Mediterranean World, 3 units
 - HIST 4440 Western Science and Society Since Copernicus, 3 units
 - HIST 4510 The United States and Latin America, 3 units
 - HIST 4720 Comparative Modern Atlantic Slavery, 3 units
 - HIST 4850 China and United States, 3 units

II. Area Studies

- a. Any two of the following (6 units):
 - HIST 3230 Nineteenth Century Europe, 3 units
 - HIST 3240 Twentieth Century Europe, 3 units
 - HIST 3510 Colonial Latin America, 3 units
 - HIST 3520 Modern Latin America, 3 units

- HIST 3720 United States Ethnic and Immigrant Past, 3 units
- HIST 3730 Afro American History, 3 units
- HIST 3800 East Asia in Traditional Times, 3 units
- HIST 3810 East Asia in the Modern World, 3 units
- HIST 3860 Africa Before 1885, 3 units
- HIST 3880 Contemporary Africa, 3 units
- HIST 3900 Arab/Islamic Civilization: Origins to the Present, 3 units
- HIST 4500 History of Mexico, 3 units
- HIST 4210 European Intellectual History: Renaissance to the Present, 3 units
- HIST 4710 Mexican American History, 3 units

Liberal Studies Concentration in History

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in History.

Teaching Credentials

Students interested in teaching history at the secondary level should consider the single subject credential program in the Social Sciences, as described elsewhere in this catalog. History majors may add sufficient social sciences courses to complete this subject matter preparation program.

Master of Arts Degree

I. Programs in History

There are three degree programs within the Master of Arts, History:

1. **Master of Arts.** This degree program is appropriate for persons interested in pursuing the study of history for college teaching or for other purposes. Students who plan to go on to study for the Ph.D. are advised to learn to read one foreign language and complete a master's thesis.
2. **Secondary School Teachers Concentration M.A.** This program is designed for persons with valid secondary teaching credentials and is considered a terminal degree.
3. **International Relations Concentration M.A.** This program is of particular interest to those wishing to supplement their professional training in certain civil service careers, and those desiring an interdisciplinary background for teaching.

II. Prerequisites for Admission

All Programs

(M.A. History, International Relations, Secondary School Teachers)

1. A grade point average of 3.0 in the undergraduate major and in all subsequent course work.
2. Satisfactory performance on the Graduate Record Examination, General Test.
3. Twenty-one units of upper-division history, including a senior thesis or equivalent.
4. Each applicant is considered individually. Therefore, in exceptional cases, life experience may occasionally augment a lower GPA. Applicants are encouraged to write a letter explaining their specific situation.

Secondary School Teachers Concentration M.A.

Additionally requires:

Note: A valid California secondary teaching credential. This concentration does not require a foreign language competency for the M.A.

III. Requirements for the Degree

Progression through the Program

1. Upon admittance, students will be assigned an adviser, usually the Chair of the Graduate Committee.
2. Students generally begin with "Conditionally Classified" status.

3. Students, except those in the Secondary School Teachers Concentration who are **not** writing a thesis must pass a written competency test in one foreign language or take equivalent classes which **do not** count toward the M.A.
 4. After completing 10 units of history or other preapproved courses with a B average, assuming all other prerequisites have been met, the student will be evaluated for "Classified" status.
 5. Students are evaluated periodically to ensure they are making satisfactory progress. Failure to adhere to program requirements or to the departmental statement of Professional Ethics is grounds for suspension from the program, either temporary or permanent, depending upon the severity of the offense.
 6. Pending completion of all classes counting toward the M.A., minus the thesis (if the student chooses to write one), each student must write a letter to the Chair of the Graduate Committee announcing his/her readiness to take comprehensive exams.
 7. Students must take their comprehensive exams within one calendar year of completing their course work, minus the thesis during the times specified by the department.
 8. Upon completing all requirements for the M.A., the student achieves "Candidacy" status and is ready for graduation.
3. All students must complete additional course work at the 4000 level, with extra work as specified by the instructor, to complete the 30 unit master's degree requirement. The only 4000 level classes not appropriate for graduate students are HIST 4000, 4960, 4980, 4990.
 4. For the International Relations concentration only: Any of the following courses or others as offered if approved by the Graduate Committee:
 - ECON 4050 Comparative Economic Systems, 3 units
 - ECON 4415 International Economics, 3 units
 - GEOG 3550 Geography of Europe, 3 units
 - GEOG 3570 Geography of Russia and East Europe, 3 units
 - GEOG 4210 Geographic Problems in the Developing World, 3 units
 - HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
 - HIST 4340 Modern Germany, 3 units
 - HIST 4430 Twentieth-Century Russia, 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 4950 Selected Topics (when an international relations topic is taught), 1-5 units
 5. Other courses may be considered for other concentrations in consultation with the Graduate Committee. Prior approval required.

IV. Program Requirements - General

1. Thirty units are required, of which 24 units are to be taken in courses offered by CSU Stanislaus.
2. Fifteen of the 24 units must be at the 5000-level.
3. No course work below B- may be applied to any M.A. requirement, nor are CR-graded courses applicable.
4. When enrolled in a 4000-level (senior) course, the graduate student must do additional work as specified by the instructor to earn graduate credit. Students may not take HIST 4000, 4960, 4980 or 4990 for graduate credit.
5. Reading knowledge of one foreign language is required (as proven by a translation test) except for Secondary School Teachers concentration, or students may take equivalent classes (not counting toward the M.A.) or students may successfully pass the third semester of a foreign language at any accredited college or university.
6. A student not doing a thesis must submit at least two substantial papers.
7. A comprehensive written examination is required of all candidates and will cover all work taken in the program. In addition, an oral defense of a thesis is required.
8. In the papers and examination, the student is expected to demonstrate knowledge of the subject matter, its historiography, and competence in the following three skills: ability to perform research operations, analytical skills, and ability to write clearly.

V. Program Requirements – Courses

1. All graduate students with conditionally classified status must take HIST 5930, History of Historical Writing, in their first fall semester.
 2. All students must take courses to gain a minimum of eleven additional units at the 5000 level. The applicable courses are:
 - HIST 5000 International Relations Seminar for International Relations Concentration, 4 units (Required for I.R. Concentration) (Optional for other concentrations.)
 - HIST 5910 Graduate Studies – American, 4 units
 - HIST 5920 Graduate Studies – European, 4 units
- Note: HIST 5910 and 5920 may be repeated with a different instructor for credit.*
- HIST 5980 Individual Study, 1-4 units (May be repeated for a total of 6 units)
 - HIST 5990 Thesis, 6 units, (Optional)

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).

Reading 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

(Topics to be specified in Class Schedule) (1–5 units).

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. **Prerequisite:** 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 3680 Gender in United States History (3 units).

(Formerly *Women in American History*) (Same as WMST 3680) 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 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 Local History (3 units).

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) **Prerequisite:** 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., is 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 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 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. Satisfies G.E. areas F3 and G. One of three cluster courses in the G.E. Summit Program (Perceptions: How we see the World). **Prerequisite:** Consent of Summit Program Coordinator.

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 (Topics to be specified in Class Schedule) (1-5 units).

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)

Graduate

HIST 5000 International Relations Seminar (4 units).

Research on an international relations topic, using history or political science methodology. This course is primarily for the International Relations/History M.A. concentration, but is open to all qualified students and may be repeated with different instructors. (Spring)

HIST 5910 Graduate Studies-American (4 units).

Reading of major secondary works or intensive original research in American history. **Prerequisites:** Advanced course work in American history as appropriate, and consent of instructor. (Spring)

HIST 5920 Graduate Studies-European (4 units).

Reading of major secondary works or intensive original research in European history. **Prerequisites:** Advanced course work in European history as appropriate, and consent of instructor. (Fall)

HIST 5930 The History of Historical Writing (4 units).

The problem of reproducing and analyzing the past as seen through the eyes of major historians and philosophers of history from earliest times to the present. **Prerequisite:** Advanced course work in history. (Fall)

HIST 5950 Selected Topics in History (Topics to be specified in Class Schedule) (1-5 units).

Innovative course of study. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

HIST 5980 Individual Study (1-4 units).

For qualified graduate students in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Fall, Winter, Spring)

HIST 5990 Thesis (3-6 units).

Thesis research. **Prerequisite:** Consent of instructor.

HIST 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

University Honors Program

College of Arts, Letters, and Sciences

Office: Innovative Center
(209) 667-3180

Director: James A. Tuedio

Co-Director: Helena A. Janes

E-mail: tuedio@altair.csustan.edu

Website: honors.csustan.edu

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.

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:

COMM 2005 Honors Discussion Seminar, 3 units (G.E.
area A1) (May be offered in Spring)
HONS 1020 Mathematical Connections, 1 unit

Spring I:

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

Sophomore Experience (7 units):

Fall II:

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

Spring II:

HONS 2850 Service Learning Project, 1 unit
HONS 2990 Sophomore Seminar: Institutions, 3 units

Junior Experience: Interdisciplinary Research (12 units):

III:

HONS 3000 Intellectual Methods in Humanities, 3 units
(G.E. area F2)
HONS 3050 Methods of Discovery in Social Science,
3 units (G.E. area F3)
HONS 3100 Methods of Inquiry in Natural Science, 3 units
(G.E. area F1)
HONS 3500 Information/Research/Analysis, 3 units (G.E.
area E1)

Senior Capstone Research and Analysis (8 units):

Fall IV:

HONS 4200 Senior Colloquium, 1 unit, **and**
HONS 4990 Honors Thesis*, 1-3 units, **or**
HONS 4995 Capstone Project*, 1-3 units, **or**
Discipline-based Senior Thesis*

Winter III:

HONS 4990 Honors Thesis*, 1-3 units, **or**
HONS 4995 Capstone Project*, 1-3 units, **or**
Discipline-based Senior Thesis*

Spring IV:

HONS 4960 Honors Presentation Seminar, 1 unit **and**
HONS 4990 Honors Thesis*, 1-3 units, **or**
HONS 4995 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. Concurrent enrollment in a college-level math course or AP waiver of math requirement.

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.

HONS 3850 Directed Research Practicum (1 unit).

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. (Winter, Spring of junior year)

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.

The following are descriptions of courses offered by cooperating departments with the University Honors Program. These courses can be found in each of the departments' sections of this catalog, but are added here for convenience and quick reference.

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.

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.

PHIL 2005 Honors Critical Thinking Seminar (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. Open only to students in the University Honors Program.

Humanities

College of Arts, Letters, and Sciences

Office: Library Bldg 195
(209) 667-3361

Coordinator: Arnold Schmidt
Professor of English and Humanities

Administered by the Department of English, Humanities courses are taught primarily by faculty from that department. These courses are broader in scope than those offered from within specific disciplines and are generally interdisciplinary in nature. The courses typically involve material from two or more of the following disciplines: art, 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. Satisfies G.E. area F2. One of two paired courses in the G.E. Summit Program (Perceptions: How we see the World).

Prerequisite: Consent of Summit Program Coordinator.

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)

MA/MS Interdisciplinary Studies Program

The Graduate School

Office: Mary Stuart Rogers Educational Services Gateway Building 160
(209) 667-3129
The Graduate School

Director: Diana Demetrulias

Website: www.csustan.edu/graduate_school

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

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

Minimum Prerequisites for Program Admission

The first step is to apply for admission to the University. The application form may be obtained from the Graduate School. After gaining admission to the University the student applies for admission to the MA/MS Interdisciplinary Studies degree program.

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

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

APPLICATION TIMELINES MA/MS Interdisciplinary Studies Program

Current program application deadlines are posted on the Graduate School's Web site at www.csustan.edu/graduate_school. Students are encouraged to check the posted calendar for updates to the schedule of deadlines.

Students are urged to allow a full semester for the review process to occur. This timeline is necessary as the writing of the program proposal requires great thought and substantial consultation with the faculty committee, and revisions may be requested from the University committee as well.

No more than nine (9) units of completed course work prior to admission to the program may be included in the program. Completed course work includes transfer units, units taken at CSU Stanislaus in a prior semester, and current units in progress (incomplete grades are considered as work in progress).

PROCEDURES

- * The student selects a major advisor and, in consultation with that advisor, chooses two additional faculty members to constitute the master's committee. The graduate committee must include faculty from at least two different disciplines represented in the program's coursework.
- * The student completes the "Program Proposal for MA/MS Interdisciplinary Studies."
- * The student is required to bring the committee together to approve the proposal prior to its submission to the Graduate School.
- * The Graduate School assesses the proposed program's compliance with the technical requirements for Interdisciplinary Studies. If these are not met, the proposal will be returned to the student for revision and resubmission.
- * The major advisor and the student are invited to attend the meeting of the University MA/MS Interdisciplinary Studies Committee at which the student's proposal is reviewed. The major advisor and student may present information and may be asked questions. The admission decision will be communicated in writing to the major advisor, typically within one week following the meeting, and to the student the following week.
- * The proposal must be approved by the master's committee, the major advisor's department chairperson, the University MA/MS Interdisciplinary Studies Committee, and the Dean of the Graduate School.
- * When the student receives written approval by the Dean of the Graduate School, the student will be admitted to the program in Classified Standing.

- * Any changes to the approved program require the approval of the major advisor, in consultation with the committee members, and the Dean of the Graduate School.
- * All other University procedures and requirements for the completion of a graduate degree, including the thesis/project, are applicable. Please consult the University Catalog and the Graduate School.

CRITERIA FOR APPROVAL OF PROGRAMS

The "Request for MA/MS Interdisciplinary Studies Program" proposal must be typed in accordance with the requested format. It is imperative that this proposal demonstrates the student has acquired a high level of analytical and communication skills in her/his undergraduate work. The GRE Writing Assessment score, the undergraduate and post-baccalaureate grade point average, and undergraduate preparation are used as indicators for success in the graduate program. The University MA/MS Interdisciplinary Studies Committee welcomes quality proposals and employs the following criteria in its deliberations:

- * adherence to the technical requirements of the program (number of units, etc.);
- * the overall clarity and completeness of the proposal, including the student's written communication skills in English;
- * a thorough, clear statement of the academic objectives of the program;
- * a clear explanation of how the program contributes to the student's professional objectives;
- * a cogent justification for a multidisciplinary program;
- * an explanation of the coherency of the program (the relatedness of the subject and title and the selection and relationship of the courses);
- * the strength of the student's academic record and ability to complete a program of individualized graduate studies.

PROGRAM REQUIREMENTS

Your proposal will be considered by the MA/MS Interdisciplinary Studies Committee when (a) all program requirements are met, (b) the program proposal form is completed, (c) a comprehensive response to the 7 essay questions is completed, and (d) the GRE Writing Assessment score has been received.

Please use the following program requirements as a checklist before submitting your proposal to the Graduate School:

1. The admission requirements are met. GRE Writing Assessment score is submitted with the proposal.
2. The program includes a minimum of 30 semester units for an MA or 36 semester units for an MS.
3. Only 4000* and 5000 level courses may be counted toward the semester units required in the MA/MS Interdisciplinary Studies program.
4. At least 15 units for the MA or 18 units for the MS of 5000 level courses are included.
5. A minimum of 6 (for MA) or 9 (for MS) semester units in one or more disciplines other than the primary field of concentration are included.
6. A maximum of 9 units of independent study may be included in a student's program. Independent study courses must be described in the student's proposal in detail equivalent to a catalog course description and the instructor of record listed for each independent study course. Courses must be taken for a letter grade.
7. A 4000*/5000 level research methods course appropriate for the discipline(s) is included in the program.
8. The proposal fully describes the method for the satisfactory completion of the CSU graduate writing competency requirement. Six (6) units of project or thesis work is included in a student's program. An oral defense is required.
9. A maximum of 9 units of transfer credit may be included in a student's program. Extension credits are not acceptable.
10. No more than 9 units completed **prior to admission** to the program may be included in the student's Interdisciplinary Studies program.
11. The MA/MS Interdisciplinary Studies program limits the CR/NC grading option to field studies, practica, and internships, not to exceed 20% of the required course work.
12. No grade below "B" may be applied toward the MA/MS Interdisciplinary Studies degree.
13. Competency in reading a foreign language, or an approved substitute competency, and/or a comprehensive examination may be required by the master's committee.
14. The program title (not to exceed 5 words) reflects the interdisciplinary focus of the program. The names of disciplines for which traditional degree programs exist may not be used.
 - * Any 4000 level course offered within a student's MA/MS Interdisciplinary Studies Program must be acknowledged by the instructor as containing assignments and grading which meet the higher standards of a graduate course. The methods a professor imposes to ensure more rigorous standards for graduate students are a matter of instructor preference. Additional readings, research papers, essay questions on examinations, and oral presentations are often employed to satisfy this requirement.

Graduate Multidisciplinary

Course Descriptions:

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

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

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

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

MDIS 5960 Graduate Project (1–6 units).

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

MDIS 5980 Individual Study (1–4 units).

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

MDIS 5990 Thesis (1–6 units).

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

MDIS 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Journalism

Degree Minor

College of Arts, Letter, and Sciences

Office: Demergasso-Bava Hall 125
(209) 667-3371

Chair: Marjorie A. Jaasma

Director: John R. Sumser, Professor of Communication Studies

Journalism is a degree minor in the Department of Communication Studies 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)

Latin American Studies

Degree Minor

College of Arts, Letters, and Sciences

Office: Bizzini Hall 132G
(209) 667-3037

Director: Julia G. Cruz

CAREER OPPORTUNITIES

The minor is useful to students planning careers in teaching, business, institutes and institutions framing U.S. foreign policies affecting both the public and private sectors; the foreign service and other international organizations; and graduate studies in the field.

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, 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 course work 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.

Liberal Studies

College of Arts, Letters, and Sciences

Office: Bizzini Hall 125
(209) 667-3749
Fax: (209) 664-6610
Chair: Kathy Shipley
Website: www.csustan.edu/LiberalStudies

CAREER OPPORTUNITIES

Elementary School Teacher

Liberal Studies is a pre-professional Subject Matter Preparation Program leading to enrollment in a Multiple Subject Credential Program.

Effective immediately, new standards are established for admission to Multiple Subject and Special Education Credential programs on all campuses of the California State University. All students are required to demonstrate subject matter competency by passing an approved examination, currently the California Subject Examination for Teachers: Multiple Subjects (CSET).

Executive Order 896 (EO 896) from CSU Chancellor Reed designates which students are required to pass the CSET as a condition of admission to a credential program and which are required to pass the CSET for admission to student teaching. Section 3 of EO 896 specifies that students enrolled in Blended/Integrated Teacher Preparation Programs must pass the CSET as a condition of advancement to student teaching. Stanislaus LIBS majors have a choice of undergraduate programs and CSET dates.

Liberal Studies majors have two options: (1) traditional LIBS major with BA at 120 units and credential courses at post-baccalaureate/graduate status, or (2) Blended Program with BA after credential methodology, with student teaching as post-baccalaureate/graduate. Traditional LIBS majors (option #1) must pass the CSET as a condition of admission to a CSU Stanislaus credential program. Students who choose the Blended Program (option #2) must pass the CSET before student teaching.

Our campus Blended Program includes undergraduate LIBS major and credential courses. BA degrees are posted on student transcripts when Credential methodology coursework is completed. Methodology classes taken in the last undergraduate semester are eligible for post-baccalaureate credit and accepted by most school districts. Student teaching is at the graduate/post-baccalaureate level. Blended students must pass CSET before they are placed for student teaching.

All current LIBS majors may apply to our Blended Program, which has three admission steps. See the Liberal Studies Department or visit the department website: www.csustan.edu/LiberalStudies for more information.

Note: Please check with the Department of Liberal Studies for current information. The University will make changes leading to the credential whenever revisions are required by the CCTC.

Coordinating with the Multiple Subject Teaching 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. Students who do not complete the Liberal Studies major will be required to take and pass the CSET for entry into a Multiple Subject Credential Program.

Currently, admission to the CSU Stanislaus Multiple Subject Credential Program 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 this catalog and in the Teacher Education Department. Students should consult with the Credential Program Coordinator for changes in the precise requirements for admission to the credential program.

With the consent of the College of Education, students 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.

Liberal Studies Subject Matter Preparation Program requirements and general education courses require grades of C-, credit, or better. The Liberal Studies major and concentration require letter grades of C- or better.

Blending of Programs

As a result of the joint efforts of the Department of Liberal Studies and the College of Education, approved students may have the opportunity to enroll in credential course work as early as the junior year. See the Liberal Studies Department for current information.

- American Government
- World History (Ancient and Medieval)
- Geography
- California History
- Computer Science

Bachelor of Arts, Liberal Studies

Students entering under the 2002-2003 catalog or later must complete the curriculum listed below. It differs from that found in catalogs of previous years. Students following an earlier curriculum may opt for the new requirements or may remain on the curriculum of their earlier catalog. See the Department of Liberal Studies for details and procedures.

Requirements

1. General Education

(Subject matter competency requires grades of at least a C-, Credit, or better.)

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.

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 a list of approved courses. Guides are available in the Department and on the Department website.

Subject Matter Requirements include:

- Oral Communication
- Composition
- Critical Thinking
- GEOL 2400
- 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)

3. Prerequisites to the Major (9 units):

- LIBS 1000 Beginning Field Experience, 3 units
- LIBS 2000 Intermediate Field Experience, 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 (27 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), 3 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
 - GEND 4350 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 the following 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 Local History, 3 units
 HIST 4250 In Search of Human Nature, 3 units
 HIST 4720 Modern Atlantic Slavery, 3 units
 PSCI 4316 Teaching Democracy in the Classroom, 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 3060 Our Molecular World, 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
 GEND 4150 Gender and Ethnicity in Children's Literature
 and Culture, 3 units
 PHIL 3700 Concepts of Race and Identity: 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, 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. Twelve units may not cross-count with upper-division General Education or major courses. Concentration courses require letter grades of C- or better.

Approved Concentrations include the following:

Anthropology	Exceptional Children and Youth
Applied Philosophy	Geography
Art	History
Bilingual/Crosscultural: Southeast Asian	Mathematics
Bilingual/Crosscultural: Spanish	Music
Biological Sciences	Physical Education
Chemistry	Physics and Physical Sciences
Child Development	Sociology
Civics	Spanish
Communication Studies	Teaching English to Speakers of Other Languages (TESOL)
Earth Sciences	Theatre
Economics	
English	
Ethnic Studies	

(Concentration curriculum follows in this section)

A list of Liberal Studies Concentration Advisers is available in the Liberal Studies Department and on the Department website: www.csustan.edu/LiberalStudies.

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.

Upper Division**LIBS 3000 Community and Diversity (WP) (3 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 (Intergrative Inquiry Course, 3 units)
4. Complete three of the following courses (9 units):
 ANTH 3070 Peoples and Cultures of Africa, 3 units
 ANTH 3105 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 (WP), 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 (21 units)

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.

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 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 (WP), 3 units
PHIL 4401 Professional Ethics, 3 units
PHIL 4420 Philosophy and Education, 3 units, **LIBS**
PHIL 4450 Eastern Philosophy: Concepts, Methods, and Context, 3 units
PHIL 4500 Philosophy of Art (WP), 3 units
5. Self and Context (choose at least two courses):
PHIL 3700 Concepts of Race and Identity in Philosophical Perspective, 3 units, **LIBS**
PHIL 3750 Concepts of Home, 3 units, **LIBS**
PHIL 3850 Information and Community, 3 units, **LIBS**
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**
PHIL 4980 Individual Study, 1-3 units

Liberal Studies Concentration in Art**Requirements (21 units)**

1. Complete the following lower-division courses:
ART 1010 Drawing I: Direct Observation, 3 units
ART 1020 Drawing II: Composition, 3 units
2. Electives: Select 15 units of upper-division art electives (upper-division prerequisites are waived for Liberal Studies students).
 - a. Select a minimum of 9 units from the following:

Drawing:
ART 3010 Drawing the Human Figure from Memory, 3 units
ART 3020 Drawing: Original Form, 3 units

Painting:
ART 3200 Painting from Observation, 3 units
ART 3210 Painting from Imagination, 3 units

Printmaking:
ART 3100 Relief Printmaking, 3 units
ART 3130 Serigraphy, 4 units

Sculpture:
ART 3300 Multimedia: Assemblages and Construction, 3 units
ART 3350 Ceramic Sculpture, 3 units

Computer Art:
ART 3700 Computer Art, 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

- b. Select a maximum of 6 units from the following:
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 4860 Understanding and Creating Art, 3 units
ART 4870 World Crafts, 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)**Bilingual/Crosscultural – Southeast Asian**

1. Satisfactory completion of Hmong language course work 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 course work 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.
2. 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
3. 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
4. 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
5. 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 concentration 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 (20 units)

Bilingual/Crosscultural - Spanish

- Satisfactory completion of Spanish language course work through SPAN 3020. Students may begin the language courses at whatever level is appropriate. Students who do not need Spanish course work 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.
- Cultural Component
Complete the following (9 units):
 - ETHS 2100 Contemporary Chicano Studies, 3 units
 - ETHS 3110 Chicano Images in Arts and Film, 3 units
 - ETHS 4000 The Mexican American Family, 3 units (fulfills Integrative Course Requirement)
- Crosscultural Component
Complete the following (3 units):
 - ETHS 4200 The Minority Experience, 3 units
- Electives
Complete 8 units from the following :
 - EDUC 4430 Crosscultural Techniques for Teachers, 3 units
 - ENGL 4800 Second Language Acquisition, 3 units
 - ETHS 3000 Mexican American Politics Since 1850, 3 units
 - ETHS 4100 Chicanos in Education, 3 units
 - ETHS 4940 Field Work in Ethnic Studies (Hispanic), 4 unit
 - HIST 4500 History of Mexico, 3 units
 - HIST 4710 Mexican American History, 3 units
 - SPAN 4600 Literatura Mexicana, 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. Students interested in teaching at the elementary school level must complete a degree in Liberal Studies (see University Catalog) with a concentration in a disciplinary area. The Liberal Studies concentration in Biology is outlined below.

Requirements (20 units from the following areas)*

- General Biology (7 units):
 - BOTY 1050 Introduction to Botany, 4 units, **or**
ZOO 1050 Introduction to Zoology, 4 units
 - 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.)
- 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.

- 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.
- 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 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 advisor.

**Fifteen 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 (3 units)
 - CHEM 4402 Biochemistry Laboratory I (1 unit)
 - CHEM 4980 Individual Study (1-4 units)

Liberal Studies Concentration in Child Development

Requirements/Recommendations

1. 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 course work, plus additional course work, for a total of 22 units, 17 upper-division.
2. Community college course work in Child Development or Early Childhood Education may apply toward 5 units non-upper-division electives within the Child Development concentration.
3. 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.
4. 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 course work may apply toward the concentration.
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, 3181, 3320, 3440, 3550, or 4180 and 4190.
6. Internships and field work courses may be repeated once each for credit toward the concentration. In addition, a maximum of 3 units of combined course work in field work and internships may be counted toward the concentration with approval by the major adviser.
7. 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)

1. Complete the following upper-division core (16 units):
 - a. 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
 - b. 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 3440 Developmental Assessment, 3 units
 - c. 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

2. 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.
 - a. 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
 - CDEV 3400 Oral Interpretation of Children's Literature, 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
- b. 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 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, 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 advisor)
 - 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 Chief Executive, 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 Big Arguments: Clashes and Connections, 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

Note: Cross-counting of concentration units varies with each Liberal Studies program.

- Students in Red Program (catalog years 1992-1998) may cross-count any concentration units with the Liberal Studies major.
- For students in the Yellow Program (catalog years 1999-2002), 15 units of the concentration may not cross-count with upper division General Education courses or the Liberal Studies major.
- For students in the Blue Program (catalog years 2002 to present), 12 units of the concentration may not cross-count with upper division General Education courses or the Liberal Studies major.

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 Communication and Conflict, 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 (General Education Area F3), 3 units

*If either COMM 3400 or COMM 4020 is used to fulfill the Inquiry requirement (2 above), that course cannot be used as an elective (3 above).

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 10 units must be upper-division. GEOL 3000 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 Historical Geology, 4 units (includes lab)
 - GEOL 2400 Introduction to Earth Science, 3 units
 - GEOL 3000 Physical and Environmental Geology, 4 units (includes lab)
 - GEOL 3500 Earthquakes and Volcanoes, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 4000 California 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 Historical Geology, 4 units (includes lab)
 - GEOL 2400 Introduction to Earth Science, 3 units
 - GEOL 3000 Physical and Environmental Geology, 4 units (includes lab)
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 3810 Hydrogeology, 3 units
 - GEOL 4810 Water Resources Development and Management, 4 units (includes lab)
 - 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 3000 Physical and Environmental Geology, 4 units (includes lab)
 - GEOL 3600 Physical Oceanography, 3 units
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)
 - GEOL 3810 Hydrogeology, 3 units
 - GEOL 4810 Water Resources Development and Management, 4 units (includes lab)
 - 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 Historical Geology, 4 units (includes lab)
 - 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 **or**
 - GEOL 2400 Introduction to Earth Science, 3 units **and**
 - GEOL 2102 Principles of Geology Laboratory, 1 unit
 - GEOL 2200 Historical Geology, 4 units (includes lab)
 - ASTR 2100 Descriptive Astronomy, 3 units **and**
 - ASTR 2112 Astronomy Laboratory, 1 unit
- b. One upper-division integrated science course with a laboratory:
 - GEOL 3000 Physical and Environmental Geology, 4 units (includes lab)
 - GEOL 3650 Geohazards: The Geological Science of Natural Disasters, 3 units (includes lab)

Liberal Studies Concentration in Economics

Requirements (21 units)

The liberal studies concentration in economics consists of 21 units, at least 15 of which must be upper-division units.

1. Economic Principles (Both courses are required, 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 (WP), 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

May substitute courses as approved by concentration advisor.

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 (WP), 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, 3 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 Masterpieces of World Literature, 3 units
ENGL 4300 Shakespeare, 3 units
ENGL 4600 Tutorial Projects in English (WP), 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
*Other courses are available upon advisement.

Liberal Studies Concentration in Ethnic Studies

Requirements (20 units)

Note: Cross-counting of concentration units varies with each Liberal Studies program.

- Students in the Red Program (Catalog years between 1992 and 1999) may cross count any concentration units with the Liberal Studies major
 - For students in the Yellow Program (Catalog years between 1999-2001), 15 units of the concentration may not cross count with upper division General Education courses or the Liberal Studies Major
 - For students in the Blue Program (Catalog years beginning 2002), 12 units of the concentration may not cross count with upper division General Education or the Liberal Studies Major
1. 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)
 - 6-11 units (selected from A, B and C below)
 - a. Cultural Development of Ethnic Groups
 - 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 Chicana/o Thought, 3 units
 - ETHS 3250 Africana Images in the Arts and Media, 3 units
 - ETHS 3300 Hmong Cultural Experience in the United States, 3 units
3. Synthesis of knowledge gained from Preceding Courses/Introductory of Research Methodology, (6-11 units)
 - ETHS 4200 The Minority Experience, 3 units*
 - ETHS 4350 Multiculturalism: From Bias to Reality, 3 units*
 - ETHS 4940 Field Work in Ethnic Studies, 4 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 Seminary, 3 units
 - ETHS 4980 Individual Study, 1-4 units
 4. Social Inquiry in Ethnic Studies (3 units)**
 - Every student in Liberal Studies Concentration in Ethnic Studies must take one of these designated Social Inquiry Courses
 - ETHS 4000 Mexican American Family, 3 units
 - ETHS 4030 Asian American Families, 3 units

- b. Historical Background
 - 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 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
- c. Psychological, Sociological, Economic, Educational and Political Adjustments
 - EDUC 4430 Crosscultural Techniques for Teachers, 3 units
 - ETHS 3000 Mexican American Politics Since 1850, 3 units
 - ETHS 3200 Gender Roles in the Chicano Community, 3 units
 - ETHS 4000 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

*May cross count with Liberal Studies, Multicultural Perspectives
**Meet the requirement of both item 2.c and item 4

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 advisor to be apprised of any changes in the credential program requirements. (See the "College of Education" section of this catalog for descriptions of the Special Education credential programs currently offered at the University.)
Note: Declaration of the concentration is not equivalent to admission to the Special Education Credential Program.

Requirements (21 units)

- 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
 EDSE/PSYC 4550 Practicum with Exceptional Children, 3 units **or**
 EDSE/PSYC 4560 Theory of Instructional Design, 3 units
- Select one of the following elective classes to complete the concentration (3 units):
 PSYC 4150 Learning Disabilities, 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 EDSE/PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units

Liberal Studies Concentration in Geography

Requirements (21 units)

- Complete two of the following courses (6 units):
 GEOG 2010 Introduction to the Natural Environment, 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
- Complete the following courses (6 units):
 GEOG 3010 Cultural Geography, 3 units
 GEOG 3020 Human Ecology, 3 units
- Complete the following regional course (3 units):
 GEOG 3510 Geography of North America, 3 units
- Complete the required upper division inquiry course (3 units):
 GEOG 3350 Geography of the Great Central Valley, 3 units
- 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 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 faculty 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.

The outcome of this revised program for the Liberal Arts History Concentration major lies in one in which a student is more skillfully prepared to work in such professions as teaching, law, and varied businesses within the context of a global and multicultural society.

Note: Cross-counting of concentration units varies with each Liberal Studies program.

- Students in the Red Program may cross-count any concentration units with the Liberal Studies major.
- For students in the Yellow Program, 15 units of the concentration may not cross-count with upper division General Education courses or the Liberal Studies major.
- For students in the Blue Program, 12 units of the concentration may not cross-count with upper division General Education courses or the Liberal Studies major.

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 United States After the Civil War, 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 4250 In Search of Human Nature, 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):
Note: 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 3420 Set Theory and Mathematical Logic, 2 units
and 1 unit of either
MATH 4910 Cooperative Education, 1-4 units, **or**
MATH 4940 Internship in Mathematics, 1-4 units
 - b. MATH 3030 Mathematics for Elementary and Middle School Teachers, 3 units **or**
MATH 3350 Applied Mathematical Models, 3 units

Note: A maximum of one unit of MATH 4910 and/or MATH 4940 may be counted toward the 9 upper-division elective units.

Liberal Studies Concentration in Music

Complete a minimum of 20 units, including at least 15 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 (WP), 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 3680 Instrumental Techniques, 1-4 units
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 (WP), 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 advisor, select 12 units from the following. At least 3 units must be chosen from Physics or Astronomy.

Physics

 PHYS 3010 Mathematical Physics I, 3 units
 PHYS 3080 How Things Work, 3 units
 PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
 PHYS 3800 Fundamentals of Nuclear Energy, 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 3000 Physical and Environmental Geology, 4 units
 GEOL 3400 Plate Tectonics, 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
- Note: Students cannot take both GEOL 3000 and GEOL 3650*

Liberal Studies Concentration in Sociology

Requirements (23 units)

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 23 units: 3 prerequisite units plus 20 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.

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 (WP), 4 units

Integrative Study Requirement

SOCL 3700 Sociology of Education, 3 units

Societal/Cultural Interactions

SOCL 3000 Classical Theory, 4 units
SOCL 3310 Social Inequalities, 3 units
SOCL 3430 Population, Resources, and the American Future,
3 units
SOCL 4010 Race and Ethnic Relations, 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 school districts in California. The concentration does not require fluency in any language other than English.

Requirements (18-19 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, 3 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

Management

College of Business Administration

Office: Demergasso-Bava Hall 223
Phone (209) 667-3507, (209) 667-3210 Fax

Chair: Nael A. Aly

Faculty: Randall B. Brown, Marjorie Chan, Tahi J. Gnepa, Randall D. Harris, Edward H. Hernandez,
Peter P. Li

Emeritus Faculty: Thomas P. Barrett, Andrew J. Papageorge

CAREER OPPORTUNITIES

Managerial and staff positions in government agencies, health-care organizations, educational institutions, and private businesses. Career opportunities also are available in the following areas:

- Human Resource Management
- Strategic Management
- Small Business Management/Entrepreneurship
- Import/Export Business

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.

Management Concentration

Requirements

1. Complete University requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration degree.
3. Complete the business administration core.
4. 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 (listed on the following pages).

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 team work, 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 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 (WP), 3 units
SOCL 3310 Social Stratification, 3 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 offered in this track 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)

- Complete the following courses (7 units):
MGT 4920 Global Competitive Strategy, 3 units
MKT 4470 Global Marketing, 4 units
- 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, 3 units
ECON 4415 International Economics, 3 units
OM 4590 World Class Operations Strategies, 3 units
- Complete one of the following courses, or as approved by advisor (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-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 offered in this track 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):

- Complete the following courses (6 units):
MGT 4540 Entrepreneurship and Venture Initiation, 3 units
MGT 4920 Global Competitive Strategy, 3 units
- 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
- Complete one of the following courses, or as approved by advisor (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 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.

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, ENGL 3007. (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 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 (Topics to be specified in Class Schedule) (1-4 units).

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.

Graduate

MGT 5040 Management of International Business (3 units).

(Formerly MGT 5350) Focuses on selected specific problems involved in the management of a company which operates in more than one country. Emphasis may vary from term to term in accordance with the interests of the students involved.

MGT 5050 The Administrative Process (3 units).

The nature of administration, its role, responsibilities, and functions; special attention will be paid to the student's ability to function within the administrative process using written and oral communication skills.

MGT 5100 Organizational and Administrative Theory (3 units).

(Same as PADM 5100) Examination of development and current emphasis in organization theory from scientific management to existentialism. Focuses on the use of theory.

MGT 5200 Seminar in Organizational Behavior (3 units).

Study of human behavior in complex organizations. An emphasis on behavioral science theories and research methods and their contributions to selected topics such as: motivation, innovation, managing change, interpersonal conflict and communications, power, leadership, and job-related stress. **Prerequisite:** MGT 5050 or equivalent.

MGT 5310 Business Organization, Theory, and Behavior (3 units).

Advanced study of complex business organizations. Analysis of organization systems and managerial actions in terms of their influence on patterns of behavior. **Prerequisite:** MGT 5050 or consent of instructor.

MGT 5540 New Business Ventures (3 units).

Study of selected problems involved in starting and operating new business ventures. **Prerequisites:** MGT 5050, FIN 5020.

MGT 5610 Human Resources (3 units).

Advanced study in selected areas within the human resources field. Among subjects to be included are: human relations and organizational development, current labor legislation on the federal and state level, Theory Z application, innovations in manpower planning and development, and possible solution to unemployment.

MGT 5620 Collective Bargaining (3 units).

Advanced study of collective bargaining under the National Labor Relations Act and amendments. Students will participate in full-scale "mock" negotiations. Specific attention to be given to preparations, strategies, conflict resolution, and construction of language.

MGT 5900 Integrated Business Strategy and Project Development (6 units).

An integrated approach to the formulation, implementation, and administration of corporate strategy linked to specific strategic opportunities and problems. Extensive use of the case method in developing analytical skills applicable to strategic issues. Economic, social, and ethical considerations included in the analysis process along with functional-area skills related to strategic objectives. Individual and team structures will be used. Corequisite: Refer to the Schedule of Classes for the activity corequisite. Corequisite will involve activity work directed towards project planning, to include project development, background information search, and data gathering techniques. **Prerequisites:** ACC 5110, FIN 5210, and MKT 5410; and two of the following: CIS 5620, MGT 5310, and OM 5630. The third core course may be taken concurrently with MGT 5900.

MGT 5940 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 5950 Selected Topics in Management (Topics to be specified in Class Schedule) (1-4 units).

Innovative course of study. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

MGT 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements.

MGT 5980 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.

MGT 5990 Graduate Thesis (3 units).

This enrollment involves consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Marine Sciences

College of Arts, Letters, and Sciences

Office: Science Building 103
(209) 667-3476

Coordinator: Pamela Roe

CAREER OPPORTUNITIES

Research: *In both private and public sectors, as well as in higher education facilities and state and federal government agencies*

Marine Recreation: *Various positions at marine aquaria and theme parks*

Government: *Various federal and state government positions, especially in fisheries - California Fish and Game, National Marine Fisheries Service, National Oceanic and Atmospheric Administration*

Teaching: *Especially at the high school and university levels*

Industry: *Environmental monitoring, water quality, aquaculture/mariculture*

Communications: *Technical writers, public communications, marine advisory agents*

The California State University operates the Moss Landing Marine Laboratories at Moss Landing, California. This marine facility functions as a seaside extension of the campuses of seven cooperating State universities (Stanislaus, Fresno, East Bay, Monterey Bay, Sacramento, San Francisco, and San Jose) and offers course work in marine biology, geology, oceanography, and other marine sciences. The curriculum is designed to fulfill major requirements for qualified upper-division and graduate students. Such students can plan their academic schedules to provide for one or more terms at the Moss Landing Marine Laboratories and will be considered as in-residence at California State University, Stanislaus.

Interested students should make early application because enrollment is limited. Consult advisors in the Department of Biological Sciences or Department of Physical Sciences for further details. Consult the Department of Biological Sciences for information on the Master of Science in Marine Sciences (Marine Biology) degree. Moss Landing Marine Laboratories is located at 8272 Moss Landing Road, Moss Landing, California 95039.

Master of Science in Marine Sciences

This degree program is offered as an interdepartmental degree on each campus in appropriate science departments (biology, geology, chemistry) in cooperation with Moss Landing Marine Laboratories (MLML). It provides the opportunity for students to acquire a practical and theoretical education in the marine sciences to prepare them for careers as marine specialists, scientists, and teachers. The program at Moss Landing provides extensive field and laboratory work for advanced study in the marine sciences that cannot be duplicated on any one individual California State University campus.

Admission to the Program

The Master of Science in Marine Sciences program is administered through MLML and an academic department from a consortium campus (biological science, geology, natural science, or other department) depending on the choice of the student. The prospective student must meet the entrance requirements for the department and will be accepted into unclassified or conditionally classified graduate status by normal procedures at that campus. The student will become classified upon completion of MLML's requirements.

Admission to the MS Marine Sciences program through CSU Stanislaus requires application both to the university and to the Department of Biological Sciences. Completed applications must be received by January 15 for the following fall semester or August 15 for the following spring semester. Application materials for the Department of Biological Sciences are due February 15 or October 15, and must include a copy of transcripts of all undergraduate courses with summary of overall grade point average and grade point average in upper-division biological sciences courses; a statement of student's area(s) of research interests, a summary of all research experiences

(resume), scores on the GRE exam (both General Test and the appropriate Subject Test determined by the student's undergraduate degree, i.e., Biology, Chemistry, Geology, Physics), three letters of recommendation, and the Moss Landing Marine Laboratories Graduate Application Questionnaire. The application, transcripts, and GRE scores should be sent to the Office of Enrollment Services at CSU Stanislaus. Letters of recommendation, statement of interest, resume, and MLML Graduate Application Questionnaire should be sent to the CSU Stanislaus Department of Biological Sciences.

Requirements for admission to the MS Marine Sciences program via CSU Stanislaus are: a bachelor's degree in one of the biological sciences with a program comparable to the biology program at CSU Stanislaus from an accredited college or university, an overall grade point average of 3.0, statement of research interests consistent with interests and facilities of Moss Landing Marine Laboratories faculty, and approval for admission with conditional classified status by the Department of Biological Sciences, CSU Stanislaus, and by Moss Landing Marine Laboratories. For more detailed information, contact the CSU Stanislaus Graduate School, (209) 667-3129.

MLML Classification in the Program

A conditionally classified student may become fully classified in the marine science program as set forth in the following steps:

1. Obtain an adviser at MLML and in the department of his/her choice at the home campus. Each new student in the Master's program at MLML will be assigned an adviser who may or may not be the final thesis adviser.
2. Make up any course work deficiencies in either the home campus department (see department regulations) and/or MLML. MSCI 3040 Quantitative Marine Science, and three of the following five courses are prerequisites for classified graduate standing: MSCI 3030 Marine Ecology, MSCI 3410 Geological Oceanography, MSCI 3420 Physical Oceanography, MSCI 3430 Chemical Oceanography, and MSCI 3440 Biological Oceanography. These courses may be waived by the graduate committee upon certification that equivalent courses have been completed satisfactorily. MSCI 3040, Quantitative Marine Science, cannot be counted toward the 30-unit degree requirement.
3. Students who do not receive a grade of "B" or better in the courses described in (2) above taken at MLML, or who wish to substitute equivalent courses taken elsewhere regardless of the grade(s) received, must pass a written qualifying examination given by the faculty at MLML. The examination will substitute for any equivalent examination given by home campus departments. There is no official time limit, but the exam should be taken as soon as possible; only a limited number of units taken while in unclassified status can be counted toward the degree. The exam may be repeated once, and must be passed before the student can be classified. The examination will consist of a choice of five out of six questions designed to test knowledge of the concepts and principles of oceanography, marine ecology, and statistics as covered in the courses listed under (2) above. It will be used to evaluate the student's background in these subject areas and the ability to write well and formulate answers logically. Each answer will be graded "pass" or "fail" by two faculty members (a third faculty member will resolve disagreements) on accuracy, content, and ability to clearly communicate. For a reading list covering the required material and further details concerning the exam, see the MLML's Assistant Director.

Advancement to Candidacy

In order to be advanced to candidacy, the student must have

1. attained classified standing,
2. selected a thesis problem and selected a graduate committee, and
3. completed 1 unit of MSCI 5980, Research in Marine Science, in which a thesis proposal has been written and approved by the thesis committee both for its content and the graduate English competency requirement.

The thesis committee will be composed of at least three members, including one faculty member from MLML (who is ordinarily the thesis adviser) and, at the discretion of the home campus, a representative from that campus. The other member or members of the thesis committee may also be from the home campus, or elsewhere, with the approval of the thesis adviser. The California State University requires that the majority of the thesis committee members be tenure track faculty in the California State University System.

Requirements (30 units)

A student becomes eligible for the Master's degree in Marine Sciences after the following requirements have been satisfied:

1. Been advanced to candidacy
2. Satisfied MLML requirements for the degree
3. Completed the following curricular requirements for a minimum total of 30 units:
 - a. A minimum total of 15 units of 5000-level courses (including two units of MSCI 5850, 1 unit of MSCI 5980, Research in Marine Science to write the thesis proposal (#3 above), and 4 units of MSCI 5990).

- b. Fifteen units or more of elective courses in marine sciences (courses numbered 3000 or above). The following list of elective courses can be used to satisfy major requirements:
 - MSCI 3050 Marine Science Diving, 3 units
 - MSCI 3120 Marine Birds and Mammals, 4 units
 - MSCI 3130 Marine Ichthyology, 4 units
 - MSCI 3240 Marine Invertebrate Zoology I, 4 units
 - MSCI 3250 Marine Invertebrate Zoology II, 3 units
 - MSCI 3310 Marine Botany, 4 units
 - MSCI 3350 Physiology of Marine Algae, 4 units
 - MSCI 3750 Topics in Marine Science, 4 units
 - MSCI 5010 Library Research Methods in Marine Science, 1 unit
 - MSCI 5020 Oceanographic Instrumentation, 4 units
 - MSCI 5040 Sampling and Experimental Design, 4 units
 - MSCI 5060 Molecular Biological Techniques, 4 units
 - MSCI 5080 Scientific Methods, 4 units
 - MSCI 5110 Ecology of Marine Birds and Mammals, 4 units
 - MSCI 5120 Advanced Topics in Marine Vertebrates, 1-4 units
 - MSCI 5210 Advanced Topics in Marine Invertebrates, 1-4 units
 - MSCI 5310 Biology of Seaweeds, 4 units
 - MSCI 5330 Advanced Topics in Marine Ecology, 1-4 units
 - MSCI 5340 Advanced Biological Oceanography, 4 units
 - MSCI 5420 Plate Tectonics, 3 units
 - MSCI 5460 Geology of the Monterey Bay Region, 4 units
 - MSCI 5480 Marine Benthic Habitat Techniques, 4 units
 - MSCI 5510 Marine Geochemistry, 4 units
 - MSCI 5610 Ocean Circulation and Mixing, 4 units
 - MSCI 5620 Satellite Oceanography, 4 units
 - MSCI 5630 Applications of Computers in Oceanography, 4 units
 - MSCI 5710 Population Biology, 3 units
 - MSCI 5720 Subtidal Ecology, 4 units
 - MSCI 5730 Marine Environmental Studies of the Gulf of California, 4 units
 - MSCI 5740 Advanced Topics in Oceanography, 1-4 units
 - MSCI 5804 Scientific Writing, 3 units
 - MSCI 5850 Graduate Seminar in Marine Biology, 2 units
 - MSCI 5980 Research in Marine Sciences, 1-4 units

Note: Other electives, including courses from the home campus departments, may be included in consultation with the graduate committee. The combination of required units (seminar and thesis and elective) must total at least 30 semester units. No more than 6 units may be graded CR/NC.

4. Submitted a thesis approved by the graduate committee. The thesis must conform to the rules set forth by the consortium campus' graduate office.
5. Given an oral thesis defense to include an open seminar presentation of the thesis material and a defense before the graduate committee.

Schedule of Core Courses

(Quantitative Marine Science, Physical Oceanography, Chemical Oceanography, Geological Oceanography, Biological Oceanography, and Marine Ecology)

Fall

MSCI 3030 Marine Ecology
 MSCI 3040 Quantitative Marine Science
 MSCI 3410 Geological Oceanography
 MSCI 3420 Physical Oceanography

Spring

MSCI 3430 Chemical Oceanography
 MSCI 3440 Biological Oceanography

Course Descriptions

Upper Division

MSCI 3030 Marine Ecology (4 units).

A field-oriented introduction to the interrelationships between marine and estuarine organisms and their environment with emphasis on quantitative data collection and analysis. **Corequisite:** MSCI 3032. **Prerequisites:** Ecology, statistics (or concurrent enrollment in MSCI 3040), or consent of instructor. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 103) (Fall and Spring)

MSCI 3040 Quantitative Marine Science (4 units).

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

MSCI 3050 Marine Science Diving (3 units).

Skin and scuba diving course; pool training culminates in five ocean dives. Thorough background in diving physics and physiology. Successful completion gives NAUI, YMCA, L.A. County or MLML certification. (No credit toward science major) **Corequisite:** MSCI 3053. **Prerequisites:** Certified SCUBA diver (or equivalent as determined by instructor), upper-division science major status, thorough physical examination, ability to pass swimming test. (Lecture, 1 hour; laboratory or field, 4 hours) (MLML 105) (Fall, Spring)

MSCI 3120 Marine Birds and Mammals (4 units).

Systematics, morphology, ecology, and biology of marine birds and mammals. **Corequisite:** MSCI 3122. **Prerequisite:** Upper-division college vertebrate zoology. MSCI 3030 recommended. (Lecture, 1 hour; laboratory or field, 6 hours) (MLML 112) (Spring)

MSCI 3130 Marine Ichthyology (4 units).

A description of the taxonomy and ecology of marine fishes. Both field and laboratory work concentrate on the structure, function, and habits of marine fishes and the ecological interaction of these fishes with their biotic and abiotic surrounding. **Corequisite:** MSCI 3132. **Prerequisite:** College zoology or equivalent. MSCI 3030 recommended. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 113) (Spring)

MSCI 3240 Marine Invertebrate Zoology I (4 units).

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

MSCI 3250 Marine Invertebrate Zoology II (3 units).

Field-oriented introduction to the structure, systematics, evolution, and life histories of the minor marine phyla. **Corequisite:** MSCI 3252. **Prerequisite:** College zoology or consent of instructor; MSCI 3030 and 3240 recommended. (Lecture, 1 hour; laboratory or field, 6 hours) (MLML 125) (Spring)

MSCI 3310 Marine Botany (4 units).

Introduction to the plants of the sea, marshes, and dunes, with emphasis on the morphology, taxonomy, and natural history of seaweeds and vascular plants. **Corequisite:** MSCI 3312. **Prerequisite:** MSCI 3030 recommended. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 131) (Fall)

MSCI 3350 Physiology of Marine Algae (4 units).

(Formerly MSCI 3550) A lecture/laboratory course which develops a physiological basis for understanding the adaptation of marine algae (seaweeds and microalgae) to their environment. Students will learn modern methods in physiological research, covering areas such as photosynthesis, respiration, enzyme activity, and biochemical composition. **Corequisite:** MSCI 3352. **Prerequisites:** MSCI 3030, 3310, 3440, or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 135)

MSCI 3410 Geological Oceanography (4 units).

A study of the structures, physiography, and sediments of the sea bottom and shoreline. **Corequisite:** MSCI 3412. **Prerequisite:** MSCI 3420 or 3430 (concurrent registration satisfactory). (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 141) (Fall)

MSCI 3420 Physical Oceanography (4 units).

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

MSCI 3430 Chemical Oceanography (4 units).

An introduction to the theoretical and practical aspects of the chemistry of the oceans, including major salts, dissolved gases, nutrient ions, carbonate system, transient tracers, and shipboard sampling techniques. **Corequisite:** MSCI 3432. **Prerequisite:** One year of college chemistry. (Lecture, 2 hours; laboratory, 6 hours) (MLML 143) (Spring)

MSCI 3440 Biological Oceanography (4 units).

The ocean as an ecological system. Emphasis will be on the complexity of organismal-environmental interaction of the plankton, the transfer of organic matter between trophic levels and nutrient cycles. Laboratory sessions will include methods in sampling, shipboard techniques, identification of the plankton, and current analytical techniques. **Corequisite:** MSCI 3442. **Prerequisites:** General biology, general chemistry. (Lecture, 2 hours; laboratory, 6 hours) (MLML 144) (Spring)

MSCI 3750 Topics in Marine Science (4 units).

The study of a selected area in marine sciences. The subjects will vary from one offering to the next depending on student demand and availability of instructors. **Corequisite:** MSCI 3752. **Prerequisite:** Consent of instructor. Offered on demand. (MLML 175)

MSCI 4980 Independent Study (1-4 units).

Faculty-directed study of selected research problems; open to undergraduate students with adequate preparation. **Prerequisite:** Consent of instructor. (MLML 180)

Graduate

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

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

MSCI 5020 Oceanographic Instrumentation (4 units).

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

MSCI 5040 Sampling and Experimental Design (4 units).

Basic design of experiments and field sampling for marine science. Discussions on random sampling, systematic sampling, subsampling survey techniques, and design of single multifactorial experiments using randomized and block experimental designs. Biases and problems of sampling marine biota. **Prerequisites:** MSCI 3030 and 3040. (Lecture, 4 hours) (MLML 204) (Fall)

MSCI 5060 Molecular Biological Techniques (4 units).

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

MSCI 5080 Scientific Methods (4 units).

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

MSCI 5110 Ecology of Marine Birds and Mammals (4 units).

Community approach to the ecology of marine birds and mammals using experimental and sampling methodology. Examines distribution, abundance, trophic ecology, and behaviors of birds and mammals in Elkhorn Slough and Monterey Bay. **Corequisite:** MSCI 5112. **Prerequisites:** MSCI 3120, 3030, and 3040. (Lecture, 2 hours; laboratory, 6 hours) (MLML 211) (Fall)

MSCI 5120 Advanced Topics in Marine Vertebrates (1-4 units).

Advanced consideration of the ecology, physiology, and phylogeny of fishes, birds, reptiles, or mammals, emphasizing current literature and research. Topics and emphasis will vary with term and instructor. May be repeated once for credit. **Corequisite:** MSCI 5122. **Prerequisites:** MSCI 3120, or 3130 and consent of instructor. (MLML 212) (Likely to be offered alternate fall semesters)

MSCI 5210 Advanced Topics in Marine Invertebrates (1-4 units).

Advanced considerations of the ecology, physiology, and phylogeny of the various invertebrate phyla emphasizing current literature and research. Topics and emphasis will vary from term to term. May be repeated for credit when topics change. **Corequisite:** MSCI 5212. **Prerequisites:** MSCI 3240 and consent of instructor. (Lecture, 2 hours; laboratory and field, 6 hours) (MLML 221) (Fall)

MSCI 5310 Biology of Seaweeds (4 units).

Lectures–discussions on marine macroalgal biology with extensive reading of original literature. Ecologically oriented individual research projects involving laboratory culture and field experimentation. Offered on demand. **Corequisite:** MSCI 5312. **Prerequisites:** MSCI 3310 or consent of instructor. (Lecture, 3 hours; laboratory or field, 6 hours) (MLML 231)

MSCI 5330 Advanced Topics in Marine Ecology (1-4 units).

Selected topics and current issues in marine ecology. The subjects will vary depending on student demand and availability of instructors. Offered on demand. **Prerequisites:** MSCI 3030 and consent of instructor. (MLML 233)

MSCI 5340 Advanced Biological Oceanography (4 units).

Experimental techniques in biological oceanography with emphasis on problems important in plankton ecology. The course includes lectures, laboratories, and discussions of current research problems. An individual research project involving analytical tools will be required. Offered on demand. **Corequisite:** MSCI 5342. **Prerequisites:** MSCI 3440 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 234)

MSCI 5420 Plate Tectonics (3 units).

Historical background, modern theory and geophysical evidence of continental drift, sea floor spreading, and plate tectonics. Examinations of the impact of the recent revolution in historical geology. Offered on demand. **Prerequisite:** MSCI 3410 or consent of instructor. (Lecture, 3 hours) (MLML 242)

MSCI 5460 Geology of the Monterey Bay Region (4 units).

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

MSCI 5480 Marine Benthic Habitat Techniques (4 units).

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

MSCI 5510 Marine Geochemistry (4 units).

Geochemical processes in the oceans: thermodynamics of low-temperature aqueous reactions, weathering, oxidation–reduction and biologically mediated reactions, processes occurring at the sea floor and air–sea interface. Offered on demand. **Corequisite:** MSCI 5512. **Prerequisites:** MSCI 3430, quantitative analysis, one year calculus, or consent of instructor. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 251)

MSCI 5610 Ocean Circulation and Mixing (4 units).

The mathematical description of the distribution of properties (density, dissolved oxygen, etc.) in the oceans relating to physical and biochemical processes. Theory of distribution of variables, geostrophic method. **Corequisite:** MSCI 5612. **Prerequisites:** MSCI 3420, one year calculus, or consent of instructor. College physics strongly recommended. (Lecture, 3 hours; laboratory or field, 3 hours) (MLML 261) (Spring)

MSCI 5620 Satellite Oceanography (4 units).

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

MSCI 5630 Computer Application in Oceanography (4 units).

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

MSCI 5710 Population Biology (3 units).

Principles of the interaction among marine organisms which result in the alteration of population structures; techniques for assessment and management of animal populations. **Corequisite:** MSCI 5712. **Prerequisites:** MSCI 3030, 3040, or consent of instructor. (Lecture, 2 hours; laboratory or field, 3 hours) (MLML 271) (Spring)

MSCI 5720 Subtidal Ecology (4 units).

The ecology of nearshore rocky subtidal populations and communities with emphasis on kelp forests. Lectures and discussions of original literature. Field work with SCUBA including group projects on underwater research techniques and community analysis, and individual research on ecological questions chosen by the student. **Corequisite:** MSCI 5722. **Prerequisites:** MLML diver certification and marine ecology. Knowledge of marine algae, invertebrates, and statistics is recommended. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 272) (Spring)

MSCI 5730 Marine Environmental Studies of the Gulf of California (4 units).

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

MSCI 5740 Advanced Topics in Oceanography (1-4 units).

The study of a selected area in oceanography. The subjects will vary depending on student demand and availability of instructors. **Corequisite:** MSCI 5742 **Prerequisite:** Consent of instructor. Offered on demand. (MLML 274)

MSCI 5804 Scientific Writing (3 units).

Techniques and strategies of scientific writing used for proposals, journal submission, and abstracts for meetings. **Prerequisites:** Graduate standing and consent of instructor. (Discussion, 2 hours) (MLML 280) (Fall)

MSCI 5850 Graduate Seminar in Marine Science (2 units).

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

MSCI 5980 Research in the Marine Sciences (1-4 units).

Independent investigations of an advanced character for the graduate student with adequate preparation. **Prerequisite:** Consent of instructor. (MLML 298) (Fall, Spring) NOTE: Stanislaus students must file Individual Study forms.

MSCI 5990 Thesis (1-6 units).

Preparation, completion, and submission of an acceptable thesis for the Master's degree in compliance with department regulations. **Prerequisites:** Open only to graduate students advanced to candidacy for the Master's degree. (MLML 299) (Fall, Spring)

MSCI 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Marketing

College of Business Administration

Office: Demergasso-Bava Hall 223
(209) 667-3507, (209)667-3210 Fax

Chair: Nael A. Aly

Faculty: Athinodoros Chronis, Tahj J. Gnepa, Alfred R. Petrosky, Kaylene C. Williams

CAREER OPPORTUNITIES

Industrial, consumer, and retail sales representative, marketing management, product development, brand management, integrated marketing communications, advertising, public relations, sales promotion, consumer affairs, customer service, merchandising, physical distribution/logistics, marketing channel management, purchasing, personal selling, sales management, direct marketing, marketing research, database marketing, global marketing, green or environmental marketing, e-marketing, services marketing, not-for-profit marketing, event and sports marketing, entrepreneurship, consulting, and cause/image marketing

Marketing Concentration

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 market 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 requirements for a Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration degree.
3. Complete the business administration core.
4. Complete the concentration.

MKT 4430 Selling and Sales Management, 4 units
MKT 4450 Channel Institutions and Retail Management, 4 units
MKT 4470 Global Marketing, 3 units
MKT 4472 Global Marketing Lab, 1 unit (Corequisite: MKT 4470)
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.

The Concentration (16 units)

1. Complete the following required courses (12 units):
MKT 4400 Consumer Behavior, 4 units
MKT 4420 Marketing Research, 3 units
MKT 4422 Marketing Research Lab, 1 unit
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 Advertising and Promotion Management, 3 units
MKT 4412 Advertising and Promotion Management Lab, 1 unit
(Corequisite: MKT 4410)

Course Descriptions

Upper Division

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.

Graduate

MKT 5090 Marketing Fundamentals (3 units).

Analysis of management decisions arising from the marketing tasks of the firm. Role of the marketing executive in use of research. The elements of marketing strategy, product, channels of distribution, promotion, price, and policy decisions.

MKT 5410 Marketing Management (3 units).

Emphasis on managerial decision making, problem solving to formulate and administer effective marketing activities. Marketing as a total system designed to plan, price, distribute, and promote goods and services to users. Major emphasis on case method covering buyer behavior, product, channel of distribution, pricing, and promotion. **Prerequisites:** MKT 5090 and consent of instructor.

MKT 5430 International Marketing (3 units).

Examination of the international marketing environment including special consideration of economic, political, and social systems and their effect on marketing decision making. Management of the export function, and Federal and State support of export activities are stressed. Simulation and cases. **Prerequisite:** MKT 5410.

MKT 5440 Physical Distribution (3 units).

Selected topics from the management of physical distribution systems and other logistical problems such as inventory control, warehouse location, etc. **Prerequisite:** MKT 5410.

MKT 5450 Marketing Research (3 units).

Selected topics from market research design and methodology. Special in-depth emphasis of research aspects as related to market decision making, alternative data collection, and current developments in analysis techniques. **Prerequisite:** MKT 5410.

MKT 5940 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 5950 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 5960 Graduate Project in Marketing (3 units).

(Formerly *Graduate Project*) A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Student must have completed all course requirements.

MKT 5980 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.

MKT 5990 Graduate Thesis in Marketing (3 units).

(Formerly *Graduate Thesis*) This enrollment involves consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Mathematics

College of Arts, Letters, and Sciences

Office: Demergasso-Bava Hall 264
(209) 667-3461

Chair: Viji Sundar
E-mail: math@chem.csustan.edu

Faculty: Thomas J. Abram, Michael D. Bice, Judith L. Clarke, Heather A. Coughlin, S. Abdul Fazal, Louis A. Feldman, Robert S. Fisk, Dennis H. Nemzer, Brian J. Jue, Steven D. Poole, Dana M. Reneau, Terrie L. Short, Viji K. Sundar, Marie M. Vanisko, Gizelle M. Worley

Emeritus Faculty: Amberse M. Banks, Shang-Wang Chang, Ralph L. James, Narendra L. Maria

CAREER OPPORTUNITIES

Industrial Mathematics in business, engineering, government, industry, and sciences. Mathematical computing in programming, software development and analysis, and systems analysis. Operations Research, Statistics, Teaching

The Department of Mathematics offers the degrees Bachelor of Arts, and Bachelor of Science, Mathematics. Both degree programs can be used to acquire preparation for various careers in business, education, government, and industry. Both degree programs can be used to acquire preparation for advanced study in mathematics and/or its applications. Within the Bachelor of Arts degree is an option to complete an approved Mathematics Subject Matter Preparation Program, which fulfills the subject matter prerequisites for entry into a credential program to obtain a single subject teaching credential in Mathematics. The Bachelor of Science degree program is oriented more towards the various applications of mathematics. The department also offers a concentration in Mathematics for the Bachelor of Arts degree in Liberal Studies. In addition, the department offers a minor 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, 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
For the Bachelor of Arts in Mathematics with the Mathematics Subject Matter Preparation Program and for the Bachelor of Science in Mathematics, also complete:
CS 1500/1502 Computer Programming I and Lab, 3 units
In addition, for the Bachelor of Arts in Mathematics with the Mathematics Subject Matter Preparation Program, complete the following:
MATH 1412 Calculus I Laboratory, 1 unit
MATH 1422 Calculus II Laboratory, 1 unit
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 as approved by the major advisor (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 (30 units):
 - MATH 3060 Modern Geometry, 3 units
 - MATH 3110 History of Mathematics, 3 units
 - MATH 3420 Set Theory and Mathematical Logic, 2 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 4600 Complex Variables, 3 units
 - MATH 4630 Probability Theory, 3 units
 - MATH 4960 Senior Seminar in Mathematics (WP), 3 units
 - ii. Complete one of the following courses as approved by the major adviser (3 units):
 - MATH 3230 Differential Equations, 3 units
 - MATH 4330 Numerical Analysis, 3 units
 - MATH 4430 Operations Research, 3 units
 - MATH 4640 Statistical Inference, 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. Completion of this program does not satisfy the requirements for a baccalaureate degree in mathematics. In order to complete the Bachelor of Arts with the Mathematics Subject Matter Preparation Program, the student also must complete MATH 4130 Real Analysis I.

Complete the following courses and other requirements:

1. Core (35 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 3420 Set Theory and Mathematical Logic, 2 units
 - MATH 3600 Theory of Numbers, 3 units
 - MATH 4530 Abstract Algebra, 3 units
2. Breadth and Perspective (21 units):
 - CS 1500 Computer Programming I, 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 4600 Complex Variables, 3 units
 - MATH 4630 Probability Theory, 3 units
 - MATH 4960 Senior Seminar in Mathematics (WP), 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 4640 Statistical Inference, 3 units
 3. Other Requirements:

A student must meet specified academic standards in order 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.

Degree Minor

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 the catalog for the Liberal Studies concentration in Mathematics.

Teaching Credentials

Majors in mathematics interested in multiple subject or single subject credentials are referred to the "College of Education" section of this 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.

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).

Beginning algebra. This non-baccalaureate course uses methods and strategies that have been designed to enhance student success in the course. Transition from arithmetic to algebra; operations on real numbers and algebraic expressions; polynomials, rational expressions, square roots; solving elementary equations and word problems. Satisfactory completion of this course fulfills the prerequisite for MATH 0106. 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. (Fall, Winter, Spring)

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

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

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

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

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 and 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. **Prerequisites:** 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, index numbers, and time series. Use of 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).

(Replaces 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).

For non-majors seeking the Foundation Credential. 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).

MATH 2950 Selected Topics in Mathematics (Topics to be specified in the class schedule) (1-5 units).

Development of a selected branch of mathematics. Topics may vary each term.

Upper Division

MATH 3030 Mathematics for Elementary and Middle School 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 F1. **Prerequisite:** 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. F1, 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 F1. **Prerequisite:** MATH 1040, 1500, 1600, 1610, or 1620 with a grade of C– or better.

MATH 3400 Set Theory and Logic (3 units).

(Formerly *Set Theory and Mathematical Logic*) 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 4020 or concurrent enrollment in MATH 4020.

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 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 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 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

(Topics to be specified in Class Schedule) (1-5 units).

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.

Postbaccalaureate**MATH 5950 Selected Topics in Mathematics (Topics to be specified in Class Schedule) (1-5 units).**

Development of a selected branch of mathematics. Topics vary each term. Different topics may be taken for credit. **Prerequisites:** Postbaccalaureate standing and consent of instructor.

MATH 5980 Individual Study (1–4 units).

For qualified postbaccalaureate students in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisites:** Postbaccalaureate standing and consent of instructor.

Professional Postgraduate**MATH 6980 Individual Study (1–4 units).**

For qualified postbaccalaureate students in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisites:** Postbaccalaureate standing and consent of instructor.

Modern Languages

College of Arts, Letters, and Sciences

Office: Library Building 185
(209) 667-3686

Chair: James A. Tuedio

Faculty: Carlos Andrés, Teresa Bargetto-Andrés, Julia G. Cruz, Enrique López-Contreras

CAREER OPPORTUNITIES

International business personnel, trade and commerce, export/import, interpreter/translator; banking representative, buyer/sales representative, foreign/diplomatic service, airlines personnel, travel industry, media personnel/foreign correspondent, public relations, U.S. immigration/customs. U.S. Information Agency, Peace Corps, language teacher; bilingual/foreign secretary, foreign publications/textbook editor, research assistant

Students in the Department of Modern Languages may obtain a Bachelor of Arts degree in French or Spanish; or a degree minor in French, Portuguese, or Spanish. In addition, the Department offers courses in critical foreign languages such as Chinese, Japanese, Russian, Cambodian, and Hmong, along with courses in sign language.

Majors and/or minors in Modern Languages are designed to assist students as they plan for their careers. Some students anticipate a teaching career 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. Our goals are 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.

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).

Course Descriptions

Offered under Critical Foreign Languages Program

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 1095 Hmong for Hmong Speakers I (3 units).

Speakers of Hmong will learn to read and write in Hmong. Satisfies G.E. area C3. Satisfies the language requirement for CSU Stanislaus Teacher Credential Program. **Prerequisite:** Fluency in Hmong as determined by instructor

FLAN 1096 Hmong for Hmong Speakers II (3 units).

Continuation of FLAN 1095. Speakers of Hmong will develop reading and writing skills in Hmong. Satisfies G.E. area C3. **Prerequisite:** FLAN 1095 or consent of instructor.

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**(Topics to be specified in Class Schedule) (1-5 units).**

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**(Topics to be specified in Class Schedule) (1-5 units).**

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.

French

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 French or the equivalent is required for admission to upper-division courses.

Bachelor of Arts, French

Requirements

1. Complete University requirements for Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (14 units):
FREN 1010, 1020 Elementary French I, II, 8 units
FREN 2010, 2020 Intermediate French 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.

The Major (24 units)

1. Complete the following required courses in the major field (10 units):
FREN 3010, 3020 Advanced French Grammar and Composition I, II, 6 units
FREN 3500 French Phonetics, 3 units
FREN 3510 French Conversation, 1 unit
2. Select elective courses in the major field as follows (14 units):
 - a. Two courses from the following sequence (6 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
 - b. Upper-division elective courses to total not less than 8 units

Degree Minor

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.

French Postbaccalaureate**FREN 5980 Individual Study (1-4 units).**

For postbaccalaureate 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**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.

**Portuguese
The Minor****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.

**Portuguese 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 (Topics to be specified in the class schedule.) (1-5 units).

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

SLAN 1000 American Sign Language—Beginning Communication with the Deaf (3 units).

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

SLAN 2000 American Sign Language—Intermediate Communication with the Deaf (3 units).

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

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, Spanish

Requirements

1. Complete the 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 course work, as approved by the department.

Degree Minor

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.

Spanish Bachelor of Arts, 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 3010 must be taken after MGT 3310.

Requirements

(125-129 total program units)

- 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
- Complete the following (first year, second semester, 16 units):
ECON 2510 Principles of Microeconomics II, 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
- 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
- Complete the following (second year, second semester, 14-16 units):
ACC 2130 Managerial Accounting, 3 units
CIS 2700 Management and Information Systems, 3 units
SPAN 2015 Spanish for Native Speakers II, 3 units
SPAN 2020 Intermediate Spanish II, 3 units, **or**
General Education Area D1a, 3 units
General Education Area B2, 2-4 units
- 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
- Complete the following during winter term, third year (3 units):
ENGL 3007 Business and Technical Communications (WP), 3 units

- 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
- Complete the following (fourth year, first semester, 15 units):
MKT 3410 Basic 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
- 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
- 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 2420)
General Education Area F1, 3 units

Liberal Studies Concentration in Spanish

Please refer to the Liberal Studies section of the catalog for the Liberal Studies Concentration in Spanish.

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 Modern Languages. Please refer to the "College of Education, Teacher Education" section of this 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 (Topics to be specified in Class Schedule) (1-6 units).

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 eight centuries of Spanish-speaking countries. All required readings and class lectures will be conducted in English. This course, conducted in English, does not apply 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 Revolucion 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 (Topics to be specified in Class Schedule) (1-6 units).

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.

Postbaccalaureate**SPAN 5980 Individual Study (1-4 units).**

For postbaccalaureate students needing advanced or specialized study. May be repeated for 6 units. **Prerequisite:** Consent of instructor.

Multidisciplinary Studies

College of Arts, Letters, and Sciences

Office: Library Building 105
(209) 667-3254

Coordinator: June Boffman, Interim Dean

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 (Topics to be Specified in Class Schedule) (1–5 units).

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 life-styles, major institutions, social classes, family life, views on reality, values, and contemporary issues. Taught in English.

MDIS 4000 Introduction to Gerontology (3 units).

(Formerly MDIS 3000) A broad overview of the current concepts, issues, and processes associated with human aging and the latter part of the life cycle. The problems and challenges facing the older person will be explored from the perspective of various disciplines as they contribute to our understanding of related systems. **Prerequisite:** Junior or senior or graduate standing. (Offered alternate years)

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 (Topics to be specified in Class Schedule) (1–5 units).

Development of a selected topic in multidisciplinary study. Topics vary each term. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

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.

Postbaccalaureate

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

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

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

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

MDIS 5950 Selected Topics in Multidisciplinary Studies (Topics to be specified in Class Schedule) (1–5 units).

Development of a selected topic in multidisciplinary study. Topics vary each term, thus different topics may be taken for credit. **Prerequisite:** Consent of instructor.

MDIS 5960 Graduate Project (1–6 units).

A terminal graduate project; intended for M.A. Interdisciplinary Majors. **Prerequisite:** Consent of instructor and major adviser.

MDIS 5980 Individual Study (1–4 units).

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

MDIS 5990 Thesis (1–6 units).

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

MDIS 7005 Graduating Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Music

School of Fine and Performing Arts

College of Arts, Letters, and Sciences

Office: Music Building 3
(209) 667-3421

Chair: Stephen R. Thomas

Faculty: Daniel Afonso, Robert Danziger, Daniel Davies, Deborah H. Kavasch, Geoffrey Mulder, Matthew Pivec, Stuart Sims, Stephen R. Thomas, John Weddle, Joseph Wiggett

Emeritus Faculty: Joseph E. Bruggman, Ginger Covert Colla

CAREER OPPORTUNITIES

Conductor, soloist, music educator, composer, private teacher, music librarian, music therapist, music critic, music publisher, opera singer, accompanist, recreation specialist, recording industry producer, arranger, copyist, studio performer, music director, choir director, organist

The Department of Music is an accredited member of the National Association of Schools of Music. The Department offers both professional and liberal arts degree programs in music. The Bachelor of Arts degree provides a humanistic overview of music as an art. The Bachelor of Music degree provides professional preparation for a career in music. The Bachelor of Music degree in Music Education prepares students to enter the California Single Subject Credential Program. The Department also offers a concentration in music which leads to the Liberal Studies baccalaureate.

The Department of Music offers courses which provide cultural and aesthetic enrichment for the general University student and the University community at large. The performing ensembles present concerts on campus and on annual tours. The Department sponsors programs by visiting artists and cooperates with other University fine arts departments to stage major performances and workshops.

Department Requirements

- 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.
- 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.
- Music majors and minors are required to perform in public each semester of applied study, normally during the Directed Listening Recital Hour.
- 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.
- 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.
- Ensemble participation requirements for the various degree programs are as follows:
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, or Orchestra) appropriate to their major performing medium. Keyboard and guitar majors normally enroll in Chorale as their major performing ensemble. 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, Jazz Ensemble, Vocal Ensemble, Instrumental 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.
- 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.
- To be approved for graduation, music majors and minors must maintain a 2.0 GPA in all music course work. 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. Majors within the program provide specialized study in music education (credential preparation), composition, and performance. The Department expects every graduate of the professional degree program to demonstrate a significant level of accomplishment in his/her area of emphasis.

Requirements

1. Complete a minimum of 124 units, including the University general 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:
 MUS 1610 Freshman-Level Keyboard, 1 unit
 MUS 1640 Freshman-Level Voice, 1 unit
 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:
 MUS 2400 Orchestra, 1 unit
 MUS 2410 Concert Chorale, 2 units
 MUS 2440 Wind Ensemble, 2 units
 Complete 2 units from one of the following:
 MUS 2610 Sophomore-Level Keyboard, 1 unit
 MUS 2640 Sophomore-Level Voice, 1 unit
 MUS 2670 Sophomore-Level Orchestral Instruments, 1 unit
 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 course work 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 one-half of a public solo recital consisting of approximately thirty minutes of literature. Students performing junior half-recitals normally share a program with another student also presenting a junior half-recital. 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. An exception may be made if the student is 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

one half of a recital consisting of approximately 30 minutes of music. Students performing senior half-recitals normally share a program with another student also presenting a senior half-recital. 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 course work for the degree. This course work 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
 Complete a total of 4 semesters selected from the following:
 MUS 4400 Orchestra, 1 unit
 MUS 4410 Concert Chorale, 2 units
 MUS 4440 Wind Ensemble, 2 units
 MUS 4900 Senior Recital or Project, 1 unit
2. **Areas of Study:** Under the direction of the major advisor, 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
 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 advisor, 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 of the following:

MUS 3650 String Technique I, 1 unit (violin, viola majors only)

MUS 3660 String Technique II, 1 unit (cello, doublebass majors only)

MUS 3681 Woodwind Techniques I, 1 unit (flute, single reed majors only)

MUS 3682 Woodwind Techniques II, 1 unit (double reed majors only)

MUS 3683 Brass Techniques, 1 unit (brass majors only)

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 units from the following:

MUS 2480 or 4480 Jazz Ensemble, 1 unit **or**

MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit

Electives as approved by advisor, 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 advisor, 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 (WP), 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 advisor, 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 (WP), 3 units

MUS 3640 Junior-Level Voice, 2 units

MUS 3650 String Technique I, 1 unit

MUS 3681 Woodwind Technique I, 1 unit **or**

MUS 3682 Woodwind Technique II, 1 unit

MUS 3683 Brass Technique, 1 unit

MUS 3684 Percussion Technique, 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:

A. MUS 3650 String Technique I, 1 unit **or**
MUS 3660 String Technique II, 1 unit

B. MUS 3681 Woodwind Technique I, 1 unit
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 units from the following:

MUS 2430 or 4430 University Chamber Singers, 1 unit

MUS 2480 or 4480 Jazz Ensemble, 1 unit

MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit

Electives as approved by advisor, 5 units

University General Requirements 51 units

Required Prerequisites 31-35 units

Major 42-46 units

Total Required Units 124-132 units

Bachelor of Arts, Music

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

Requirements

- Complete a minimum of 120 units including the University general requirements for a bachelor's degree. Forty units must be upper-division.
- 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, as directed by the major advisor:
 MUS 1610 Freshman-Level Keyboard, 1 unit
 MUS 1640 Freshman-Level Voice, 1 unit
 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
- 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:
 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, 1 unit
 MUS 4490 Vocal Ensemble, 1 unit
 MUS 4500 Instrumental Chamber Ensemble, 1 unit
- Emphasis:** Under the direction of the major advisor, 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 advisor, 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 advisor, 6 upper-division units

University General 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

The Minor - Requirements (24 units)

- Complete 15 units of lower-division course work:
 MUS 1000 Introduction to Music, 3 units
 MUS 1220, 1230 Theory I, II, 6 units
 MUS 1320, 1330 Eartraining and Sightsinging I, II, 2 units
 Under the direction of the minor adviser, complete 2 units from any of the following:
 MUS 1600/2600 Basic/Intermediate Class Piano, 1 unit each
 MUS 1620/2620 Basic/Intermediate Class Guitar, 1 unit each
 MUS 1630/2630 Basic/Intermediate Class Voice, 1 unit each
 MUS 1610, 1640, or 1670 Freshman Level applied study, 1 unit
 MUS 2220, 2230 Chromatic Harmony, Twentieth Century Techniques, 6 units
 MUS 2320, 2330 Eartraining and Sightsinging III, IV, 2 units
 MUS 2400, 2410, or 2440 Major Group Performance, 4 units
 MUS 2610, 2640, or 2670 Sophomore Level applied study, 1 unit each
 MUS 3650, 3660 String Technique I, II, 1 unit each
 MUS 3680 Instrumental Techniques, 1 unit
 Under the direction of the minor adviser, complete 2 units from any of the following:
 MUS 2400, 2410, or 2440 Major Group Performance, 1-2 units each
 MUS 2430 University Chamber Singers, 1 unit
 MUS 2480 Jazz Ensemble, 1 unit
 MUS 2490 Vocal Ensemble, 1 unit
 MUS 2500 Instrumental Chamber Ensemble, 1 unit
- Complete 6 units from any of the following upper-division courses:
 MUS 3100 Music History and Literature II, 3 units
 MUS 3200 Music History and Literature III, 3 units
 MUS 3400 American Music, 3 units
 MUS 3410 History of Jazz, 3 units
- Electives as approved by the minor adviser, 3 units.
- All minors must enroll in Directed Listening (MUS 2880/4880) and an appropriate performing ensemble during each semester of applied study. (See Department Requirements.)
- Of the 24 units total, at least 8 must be in upper-division courses.

Liberal Studies Concentration in Music

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Music.

Teaching Credential

The major requirements in music for students interested in obtaining a single subject teaching credential are the same as those listed for the Bachelor of Music degree with an emphasis in Instrumental Music Education or Choral Music Education. Please refer to the "College of Education, Teacher Education" section of this catalog for a description of other requirements to be completed in obtaining a single subject credential.

Music Courses for Non-Majors

For the student not majoring in music, the Music Department offers courses for cultural and aesthetic enrichment:

- MUS 1000 Introduction to Music, 3 units
- MUS 1190 Music Fundamentals, 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 2600 Intermediate Class Piano, 1 unit
- MUS 2630 Intermediate Class Voice, 1 unit
- MUS 2650 Intermediate Class Guitar, 1 unit
- MUS 3341 Music for the Classroom Teacher, 3 units
- MUS 3400 American Music, 3 units
- MUS 3410 History of Jazz, 3 units

All students are welcome to participate in the various performance courses (Chorale, Wind Ensemble, Jazz Ensemble, Orchestra, Chamber Singers, and other small ensembles).

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 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 2300 Jazz Arranging (1 unit).

Students will learn jazz arranging techniques for multiple instruments utilizing a knowledge of jazz harmony, rhythm, transposition, and voicing. Skills acquired will be applied to a variety of compositions. **Prerequisite:** Consent of instructor. (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 2230. **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 C1. **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 C1. **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 C1. **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 C1. **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 C1. **Prerequisite:** Consent of instructor. (Fall, Spring)

MUS 2480 Jazz Ensemble (1 unit).

Study and performance of materials 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 8 units. **Prerequisite:** An acceptable degree of performance skill. (Fall, Spring)

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 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**(Topics to be specified in Class Schedule) (1–5 units).**

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 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 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 (2 units).

Analysis of various types of musical structure including large forms; emphasis on the comparison of styles and the development of an ability to write in various forms. Upon enrolling for Form and Analysis, 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. (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 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 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, 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 4100 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 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 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 4300 Jazz Arranging (1 unit).

Students will learn jazz arranging techniques for multiple instruments utilizing a knowledge of jazz harmony, rhythm, transposition, and voicing. Skills acquired will be applied to a variety of compositions. **Prerequisite:** Consent of instructor. (Spring)

MUS 4390 Summer Camp Administration (1 unit).

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

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 (1 unit).

Study and performance of materials for the jazz ensemble. Students will 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 8 units. **Prerequisite:** An acceptable degree of performance skill. (Fall, Spring)

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 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 in 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**(Topics to be specified in Class Schedule) (1–5 units).**

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)

Nursing

College of Arts, Letters, and Sciences

Office: Demergasso-Bava Hall 260
(209) 667-3141

E-mail: nursing@csustan.edu

Website: <http://www.csustan.edu/Nursing/index.htm>

Fax: (209) 667-3690

Chair: Nancy Clark

Faculty: June Boffman, Nancy Clark, Margaret Hodge, Diane Katsma, Judith Keswick, Mary Anne O'Halloran, Debra Tavernier, Karen Wikoff

Emeritus Faculty: Jacqueline B. Johnson, Paula LeVeck

CAREER OPPORTUNITIES

There are many opportunities for Registered Nurses with a BSN. Among them are hospital nursing, public health nursing, in-service education, leadership positions, community health nursing, armed services health care, eligibility for graduate school.

The Department of Nursing offers the Bachelor of Science degree in Nursing. This program 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, 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. Baccalaureate nursing education is an integration of liberal education, including the arts, 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.

Professional nursing practice is humanistically and scientifically based caring behaviors expressed toward clients with actual or potential health problems. Nurses exhibit the role of providers of care by a holistic approach to client teaching and advocacy, clinical judgements based on critical thinking, values and ethics, and culturally competent interactions with diverse populations. Nurses also function as designers, managers, and coordinators of care through delegating, supervising, and evaluating others, and using theory and research findings in the context of a multidisciplinary changing health care system. As members of a profession, nurses practice from a broad knowledge base; use critical thinking, communication, assessment and technical skills; manifest the professional care values of altruism, autonomy, human dignity, integrity, and social justice; and understand and participate in regulatory and political processes affecting health care.

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.

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.

The Department of Nursing offers a RN to BSN track designed to meet the needs of working registered nurses. It 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 (basic nursing) track is offered only on a full-time basis on the Turlock campus.

RN to BSN Track

Minimum Admission Requirements for the 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 course work, earning 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. admission to the University with an overall grade point average of 2.0 or better, **and**
7. 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.

Requirements - RN to BSN Track

1. Complete General Education requirements for the Bachelor of Science degree (51 units minimum including transferable General Education units).
2. Complete the major of 35 upper-division units. NURS 4220 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 (35 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 (WP), 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
- NURS 4220 Advanced Clinical Nursing, 2 units
- NURS 4400 Community Health Nursing, 3 units
- NURS 4410 Community Health Nursing Practicum, 3 units
- NURS 4510 Communication in Nursing Practice (WP), 2 units

* These courses may be challenged based on student preparation.

Typical Student Program

Full-time students normally complete the program in two years and attend nursing classes two days a week.

Part-time students normally complete the program in three years 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.

Note: 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. Transfer requirements are available in the University Catalog or through Enrollment Services office.

Nursing-bound students should list "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.

Pre-licensure BSN Track 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 or MBIO 3010/3032 Microbiology for Nursing and Lab or 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, usually October 1st through November 30th.** CSU admission applications are available from high school counselors, community college counselors, online at www.csumentor.edu, or by calling the CSU Stanislaus Student Outreach Office at (209) 667-3070.

The nursing program starts the fall 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 admission to the nursing program is January to February 28th. 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 at the nursing office.

Thirty students will be enrolled in the Pre-licensure program each fall. 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, and 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 in the fall.

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, and complete the ATI Test of Essential Academic Skills with a minimum score at the 40 percentile in all four sub-categories and for the overall total. No more than two science courses may be repeated more than one time.

Applicants are ranked according to the following formula:

Overall GPA - 40%

Science 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 (paid or volunteer)
- e. Bilingual (including American Sign Language)

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 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, 4 units
 NURS 2840 Pharmacology and Nutrition, 3 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 (WP), 3 units
 NURS 3322 Pre-licensure Nursing Leadership and Management Clinical, 1 unit
 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 4210 Advanced Clinical Nursing Practicum, 3 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.2a.), 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 one time. If class enrollment is limited, priority will be given to students who are maintaining regular progression in the program. Only two nursing courses are allowed to be repeated. Students repeating nursing courses must earn grades of C– (73%) or better to remain in the program and may not progress in the program until the course(s) 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)

In addition, some agencies may have additional requirements such as fingerprinting and clearance from the Department of Justice, and some require drug screening.

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.

LVNs

LVNs seeking an upgrade should visit the Web site or contact the Nursing Department regarding options.

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 psycho-social-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.

NURS 2820 Basic Skills in Nursing (4 units).

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

NURS 2840 Pharmacology and Nutrition (3 units).

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

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. **Prerequisite:** To be taken concurrently with 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 3200 Pathophysiological Concepts Applied to Nursing (3 units).

A conceptual approach to the physiology of disease processes. Physiological rationale using critical thinking skills for nursing/medical interventions is emphasized. (Lecture, 3 hours) (Fall)

NURS 3310 Nursing Leadership and Management (WP) (4 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. **Corequisite:** NURS 3312. **Prerequisites:** NURS 3100. Completion of the Writing Proficiency Screening Test with a passing score. (Lecture, 3 hours; activity, 2 hours) (Spring)

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 registered 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.

NURS 3322 Pre-licensure Nursing Leadership and Management Clinical (1 unit).

Observation and application of the professional nursing roles of designer, manager, and coordinator of care in a clinical setting. Use of critical thinking is emphasized. **Corequisite:** NURS 3320. For Pre-licensure students.

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 3100, (RN to BSN) 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. **Prerequisite:** 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. **Corequisite:** NURS 4220 (for RN to BSN students) or NURS 4820 (for Pre-licensure students). **Prerequisite:** Senior standing in the nursing program.

NURS 4220 Advanced Clinical Nursing (2 units).

Seminar discussion of theoretical components of nursing applied in advanced clinical nursing practicum. Problems and experiences in the clinical setting are correlated with current literature and theories. **Corequisite:** NURS 4210 (Seminar, 2 hours) (Spring) *Note: For RN to BSN only.*

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 3000, 3100, 3310, 3600 (RN to BSN); NURS 4800, 4810 (for Pre-licensure). Concurrent enrollment in NURS 4410 recommended. (Fall, 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 4510 Communication in Nursing Practice (WP) (2 units).

(Formerly NURS 3510) Theoretical and experiential skill-building approach to effective communication with clients and colleagues in individual and small group situations. Emphasizes group dynamics, conflict resolution, and formal contracting. Satisfies upper-division writing proficiency requirement. **Prerequisites:** Completion of the Writing Proficiency Screening Test with a passing score; senior standing in the nursing program; completion of or concurrent enrollment in NURS 3310, 4400, and 4410. Must be taken the semester before NURS 4210. (Fall)

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)

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 4210. **Prerequisite:** Completion of or concurrent enrollment in all required Pre-licensure nursing courses.

NURS 4950 Selected Topics in Nursing (Topics to be specified in Class Schedule) (1–5 units).

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)

Postbaccalaureate**NURS 5980 Individual Study (1–4 units).**

For qualified postbaccalaureate students in need of advanced or specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor. (Offered on demand)

Operations Management

College of Business Administration

Office: Demergasso-Bava Hall 223
(209) 667-3507, (209) 667-3210 Fax

Chair: Nael A. Aly

Faculty: Nael A. Aly, Alan S. Khade

Faculty Emeritus: Gene Murti

CAREER OPPORTUNITIES

Chief administrator, chief operating officer, plant manager, branch manager, operations manager, production manager, inventory/materials manager, purchasing manager, store manager, and quality manager

Operations Management Concentration

Operations Management (OM) is concerned with managing operations in manufacturing and service organizations. It involves the management of manpower, materials, facilities, processes, technology, and equipment for the efficient conversion of resources into quality product, and services, as well as their distribution.

Operations Management managers apply their expertise and knowledge in the design, analysis, and planning of production lean systems, as well as supply chain management. They utilize management science techniques and modern strategies to continuously improve the company's productivity and quality of its products and services.

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 requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the prerequisites to the business administration degree.
3. Complete the business administration core.
4. 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).

(Replaces 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).

(Replaces 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. **Prerequisite:** 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. **Prerequisite:** 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. **Prerequisites:** 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 (Topics to be specified in Class Schedule) (1–4 units).

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.

Graduate**OM 5090 Business Research Techniques (3 units).**

Focuses on business research methods to prepare MBA students to conduct graduate research. Topics include data analysis, hypothesis testing, analysis of variance, regression analysis, business forecasting, design of experiments, survey design and analysis, and internet/library research. **Prerequisite:** Graduate Business student.

OM 5510 Advanced Quantitative Business Methods (3 units).

Advanced quantitative techniques for managerial planning and decision making, the modeling process; linear, integer, quadratic, and dynamic programming; system stimulation. Application of statistical methods to problems in business administration.

OM 5590 Advanced Topics in Operations Management (3 units).

Applied course emphasizing the analysis, development, and execution of strategies affecting the production side of an enterprise. The case method approach will be followed. Modern production issues such as Just-In-Time production, computer integrated manufacturing, and factory and office of the future will be discussed.

OM 5630 Seminar in Quality and Productivity Management (3 units).

Study of the management of quality and productivity of products and services. Emphasis will be on customer focus, business process re-engineering, benchmarking, suppliers management, continuous improvement, Just-In-Time systems, and statistical process control.

OM 5650 Management of Technology and Innovation (3 units).

Provides basic concepts and issues involved in firms technological strategy. Emphasis will be on analysis of technological development and management of technology and innovation to gain and sustain competitive advantage in the market place. **Prerequisites:** MGT 5310 and classified MBA standing.

OM 5940 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 5950 Selected Topics in Operations Management (Topics to be specified in Class Schedule) (1–4 units).

Innovative course of study. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

OM 5960 Graduate Project (3 units).

A terminal graduate project to be taken by students who have completed their course requirements. The project proposal must be approved by the project adviser(s). **Prerequisite:** Students must have completed all course requirements.

OM 5980 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.

OM 5990 Graduate Thesis (3 units).

Consultation in the preparation of a master's thesis. May be repeated for a total of 6 units. **Prerequisite:** Completion of course work.

Permaculture

Degree Minor

College of Arts, Letters, and Sciences

Office: Bizzini Hall 215

Advisors: Ida Bowers, Geography; Wayne Pierce, Biology

CAREER OPPORTUNITIES

This minor provides background useful for careers in farming, landscaping, urban and environmental planning, teaching, and others.

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 advisor'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.

Recommended Upper Division G.E. Courses to Supplement the Minor

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 3000 Physical and Environmental Geology, 4 units
[Corequisite: GEOL 3002]
- NSCI 3000 Science for Self-Sufficiency, 3 units

Requirements (31–33 units)

Course 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 3000 Physical and Environmental Geology, 4 units
- GEOL 3810 Hydrogeology, 3 units
[GEOL 2100 and GEOL 2102]
- GEOL 3900 Soil Geology: Application to Agriculture and Hydrogeology, 3 units
[GEOG 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 4650 Aquatic Biology, 4 units
[BOTY 1050, ZOOL 1050, and CHEM 1100, 1110, or equivalent]
- 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

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 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, **or**

PSCI 4326 Planning Issues and Agriculture, 4 units

Philosophy

College of Arts, Letters, and Sciences

Office: Library Building 195
(209) 667-3361

Chair: James A. Tuedio

Faculty: Valerie Broin, Chris Nagel, James A. Tuedio, Daniela Vallega-Neu, Jason Winfree,
Andrew Young, Alejandro Vallega

Emeritus Faculty: William H. Hayes

CAREER OPPORTUNITIES

Philosophical training can be very useful background to the following careers:

Law, politics, labor relations, social work, conflict mediation, organizational planning, teaching, journalism, creative writing and literary criticism, philosophical counseling, and ethics consultation

The Philosophy curriculum stresses development of critical reasoning skills at all stages of course work. 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 postmodern 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 are designed to promote careful discussion of the relevance of ideas and positions. The Philosophy curriculum stresses the practice of sound reasoning techniques as a basis for discerning and defending philosophical principles. In the study of the historical conditions that sustain our beliefs, philosophy emphasizes reflective analysis of implications that follow from principled commitments.

The Philosophy program also offers excellent preparation for graduate studies in Philosophy, Literary Criticism, and Rhetoric Studies.

Bachelor of Arts, Philosophy

Requirements

1. Complete University 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)

Degree Minor

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 course work chosen in consultation with a department advisor. Of these 18 units, at least 12 units must represent upper-division course work. 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 (21 units)

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Applied Philosophy.

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 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.

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 course work 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. (Spring)

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 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 G and F2. **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 advisor 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 course work in philosophy, and consent of advisor.

Postbaccalaureate**PHIL 5980 Individual Study (1–3 units).**

For postbaccalaureate students prepared for independent work, and in need of advanced and specialized study in philosophy. May be repeated for a total of 6 units. **Prerequisite:** Consent of instructor.

Physical Education and Health

College of Education

Office: Field House 141
(209) 667-3325

Chair: J. Sue Fletcher

Faculty: Heather Deaner, Susan Eastham, J. Sue Fletcher, Erin M. Hall, Robert R. Harris, Janice L. Herring,
Ping Luo, Derek Marks, Jan Schefkowitz, Shawna Young

Emeritus Faculty: James C. Bowen, Richard D. Conant, Zaki I. Habashi, James K. Hanny,
Martha M. Moren, Wayne E. Nelson

CAREER OPPORTUNITIES

Teacher, coach, health educator, wellness management coordinator, personal trainer

The Department of Physical Education and Health offers the degree Bachelor of Arts in Physical Education and a single subject matter preparation program in Physical Education. A student also may pursue a Physical Education major by electing Health and Wellness Promotion as a concentration. A minor in Physical Education also is available. The department also offers a concentration in Physical Education for the Bachelor of Arts degree in Liberal Studies.

Students interested in graduate study in Physical Education may earn a Master of Arts in Education with a concentration in Physical Education. Refer to the Graduate School section of this catalog for admission procedures.

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.

Advice for students:

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. Mandatory advising is required of all majors in this degree program. Students should see the department secretary for the name of his or her assigned advisor. For information on academic advising, review the Department Web page: www.csustan.edu/physed_health/.
3. Students interested in obtaining a teaching credential are strongly advised to confer with the Department of Teacher Education program advisor 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, Physical Education

Requirements

1. Complete 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
PHED 1000 Physical Education Activity, 1 unit
 - b. 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 advisor during each advising period concerning requirements, changes in curriculum, waivers, etc.
5. Completion of a minor is not required.

The Major (38 units)

- 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
- Group Two** - Complete eight units from the following courses:
 PHED 3400 Elementary Physical Education, 3 units
 PHED 3700 Sport in Society (WP), 3 units
 PHED 4800 Adapted Physical Education, 3 units
 HLTH 3000 Prevention and Care of Athletic Injuries, 3 units
- 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
- 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 and 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

Bachelor of Arts, Physical Education Concentration in Health and Wellness Promotion

Requirements

- Complete the requirements for the Bachelor of Arts degree. (Recommend HLTH 1000 in General Education area E1).
- Complete the prerequisites to the major (13 units).
 - 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
 - PHED 1010-1990 Physical Education Activity, 1 unit
 - Required courses in related fields:
 ZOOL 2230 Physiology (Lec), 3 units
 ZOOL 2232 Physiology (Lab), 1 unit
 ZOOL 2250 Human Anatomy, 4 units
- Complete the concentration of not less than 24-25 upper-division units.
- This concentration does not qualify students for admission to the credential program.
- Consult with major adviser during each advising period concerning requirements, changes in curriculum waivers, etc.
- Completion of a minor is not required.

Required Courses in the Major

- 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
- Complete two courses from the following (6 units):
 PHED 3400 Elementary Physical Education, 3 units

- PHED 3700 Sport in Society (WP), 3 units
 PHED 3800 Sport Psychology: Concepts and Application, 3 units
 PHED 4200 Motor Learning, 3 units
 PHED 4250 Motor Development, 3 units
- 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
 - 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)

- Complete HLTH 3000, Prevention and Care of Athletic Injuries, 3 units
- Complete the following course work from the groups listed above (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.

Teaching Credentials

Majors in physical education interested in the single subject credential are referred to the "College of Education, Teacher Education" section of this catalog for a description of teaching credential programs.

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:

- Complete an approved California Commission on Teacher Credentialing Single Subject Matter Preparation Program in Physical Education, **or**
- Earn a passing score on the Single Subject Examination in Physical Education, Test #09 and the CSET Examination in Physical Education, **and**
- 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.
- Appeal Process:
 - There is no appeal for 1 and 2.
 - 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.

Bachelor of Arts, Physical Education - 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
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 Human Anatomy, 4 units
ZOOL 2252 Human Anatomy (Lab), 0 units

Subject Matter Preparation Program

1. Complete the following course work in core subjects (18 units):
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units
PHED 3700 Sport in Society (WP), 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 course work 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 course work in movement concepts and forms (20 units):
 - a. All courses in Group A are required (14 units):
Group A
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 3350 Theory and Analysis of Racquet Sports, 2 units
PHED 3340 Theory and Analysis of Gymnastics, 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):
Group B
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 has newly adopted (2002) subject matter requirements and single subject matter standards. The Bachelor of Arts, Physical Education -- Single Subject Matter Preparation Program is currently under review by the CCTC and will have a new set of program requirements beginning Fall 2006. No students will be admitted to the currently approved program after July 1, 2006. All students in the currently approved program must complete their degree requirements by July 1, 2010.

Liberal Studies Concentration in Physical Education

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Physical Education.

Supplementary Authorization in Health and Supplementary Authorization 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, 2 units
- HLTH 4300 Family Health, 3 units*
- HLTH 4200 Elementary School Health and Safety, 3 units **or**
- HLTH 4210 Secondary School Health and Safety, 3 units

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, 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

*Meets requirements for Upper Division G.E. Area F3 and G.

Master of Arts, Education with Concentration in Physical Education

The Department of Physical Education and Health offers a Master's Degree in Education with a concentration in Physical Education. Students interested in the graduate degree program may obtain information from the Department Office or the Graduate School.

Faculty

Dr. J. Sue Fletcher, Chair, Professor
209-667-3326/ E-mail: JSFletcher@csustan.edu
Dr. Heather Deaner, Assistant Professor
209-667-3294/ E-mail: HDeaner@csustan.edu
Dr. Ping Luo, Associate Professor
209-667-3565/ E-mail: PLuo@csustan.edu
Dr. Erin Hall, Associate Professor
209-667-3219/ E-mail: EHall@csustan.edu
Dr. Derek Marks, Assistant Professor
209-667-3295/ E-mail: DMarks@csustan.edu
Dr. Shawna Young, Assistant Professor
209-667-3320/ E-mail: SYoung@csustan.edu

Note: See the "Graduate School" section in this catalog for procedures and policies related to this degree.

Admission Requirements

1. An undergraduate degree with a major/minor in Physical Education or equivalent.
2. An undergraduate degree other than Physical Education/ Kinesiology requires 21 units of prerequisites in undergraduate courses which include: Adapted Physical Education, Kinesiology, Measurement and Evaluation, Motor Development, Motor Learning, Physiology of Exercise, and Sport Psychology be taken prior to being admitted to classified standing.
3. An overall GPA of 2.5 is required.
4. Submit results of the Miller Analogy Test (MAT) with a raw score of 40 taken within the last five years or submit results of the Graduate Record Examination (GRE) with a minimum score of 1200 taken within the last five years.
5. Submit three letters of recommendation.
6. Fulfill the writing competency requirement by submitting a score of at least 41 on the writing section of the California Basic Educational Skills Test (CBEST).

Application Procedures

1. Complete the University admission form and file it with the Enrollment Services Offices.
2. Submit two copies of all transcripts from every school attended to the Enrollment Services Office.
3. Submit three letters of recommendation which discuss applicant's potential for graduate level study to the Graduate School.
4. Submit MAT/GRE score to the Graduate School.

Classification Status

1. **Unclassified/Postbaccalaureate Status:** A student may be admitted to the university, but not to the Physical Education Graduate Program if prerequisites have not been met (such as the lack of an undergraduate major in Physical Education). Admission to the University in unclassified/postbaccalaureate status implies no guarantee of future admission to the Physical Education Graduate program.
2. **Conditionally Classified Status:** A student may be admitted to the Physical Education Program as Conditionally classified when a limited number of prerequisites have not been met, such as completion of an upper division statistics course and/or the writing proficiency examination. Students may enroll in

a limited number of graduate courses, but must complete the prerequisites within two semesters.

3. **Fully Classified Status:** A student who meets all of the admission criteria will be admitted into the Physical Education Graduate Program as full classified and may proceed to take graduate courses without limitations.

Grade Requirements

1. A total of nine units may be transferred from an accredited graduate school in the United States or abroad.
2. International applicants whose native language is not English must submit results of the TOEFL examination with scores of at least 550 prior to being admitted to the Program.
3. The minimum academic grade point average for earning the M.A. degree is 3.0. No course with a grade below C- may apply toward a master's degree program.
4. All coursework, including your Thesis/Project, must be completed within seven years.

Requirements (30 units)

Program Courses - 14 units

EDUC 5770 Seminar in Elementary and Secondary Education, 2 units
PHED 5010 Seminar in Administration and Supervision of Physical Education and Athletics, 3 units
PHED 5020 Analysis of Sport Motion, 3 units
PHED 5030 Sociological and Psychological Implications in Physical Education, 3 units
PHED 5040 Seminar in Physical Education, 3 units **or**

Graduate Core - 13 units

EDGS 5500 Foundations in Education, 3 units
EDGS 5510 Introduction to Educational Research, 3 units
EDGS 5600 Qualitative Research in Education, 3 units **or**
EDGS 5610 Quantitative Research in Education, 3 units
PHED 5960 Project, 4 units **or**
PHED 5990 Thesis, 4 units

Electives - 3 units

Elective must be selected from the following 5000-level courses in the College of Education:
EDGS 5600 Qualitative Research in Education, 3 units
EDGS 5610 Quantitative Research in Education, 3 units
EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units
EDUC 5200 Classroom Management and Discipline: Theory and Models, 3 units
EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units
EDUC 5860 Multicultural and Global Education: Curriculum and Instruction, 3 units
EDCL 5540 Counseling Exceptional Children and At-Risk Youth, 3 units
EDAD 5840 Seminar in School Finance and School Law, 4 units

Course Descriptions

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.

Activity courses may be challenged with consent of instructor by passing a proficiency test and written examination.

Fitness and Conditioning

PHED 1020 Yoga
PHED 1030 Cycling
PHED 1050 Jogging
PHED 1070 Judo
PHED 1130 Lifetime Fitness Training

Individual and Dual Sports

PHED 1200 Archery
 PHED 1230 Badminton
 PHED 1290 Canoeing
 PHED 1330 Golf
 PHED 1480 Tennis
 PHED 1510 Casting and Angling

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

Physical Education Course Descriptions**Lower Division****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 3210–3250 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 Physical Education majors and Liberal Studies majors with concentrations in Physical Education. **Prerequisite:** Completion of the Writing Proficiency Screening Test with a passing score.

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)

Graduate**PHED 5010 Seminar in Administration and Supervision of Physical Education (3 units).**

Examination of background and current trends in the organization, structure, and administrative practice in today's physical education programs including athletics' practices. Focus is also on facilities, budgeting, equipment purchase, and related school law. (Fall)

PHED 5020 Analysis of Sport Motion (3 units).

Biomechanic and physiologic aspects of exercise analysis. The theoretical basis for studying and prescribing exercise, and the practical application of current knowledge in the field of exercise science. **Prerequisites:** PHED 4400 and 4500. (Spring)

PHED 5030 Sociological and Psychological Implications in Physical Education (3 units).

Analysis and application of sociological and psychological data related to participation of the teacher/coach and student/athlete in physical education/athlete programs. Special emphasis on attitudes, values, societal sub-systems, behavioral techniques, and strategies specific to individual and group instruction in physical education. (Fall)

PHED 5040 Seminar in Physical Education (3 units).

To acquaint students with current problems and to provide students an opportunity to do independent work and intensive study with current problems in the physical education profession. (Spring)

PHED 5960 Project (4 units).

Preparation, completion, and submission of an acceptable project for the Master's degree. (Fall, Winter, Spring)

PHED 5980 Individual Study (1–4 units).

For students capable of independent work in need of advanced and specialized study. May be repeated for a total of 6 units. **Prerequisite:** Consent of department chair. (Fall, Winter, Spring)

PHED 5990 Thesis (4 units).

Preparation, completion, and submission of an acceptable thesis for the Master's degree. (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 E1. (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.

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.

Physics, Physical Sciences

College of Arts, Letters, and Sciences

Office: Science Building 256
(209) 667-3466

Chair: Ian M. Littlewood

E-mail: physics@physics.csustan.edu

Website: <http://physics.csustan.edu>

Faculty: Tai L. Chow, Marvin W. Johnson, Ian M. Littlewood, Susan Mokhtari, Lu Rose Zhang

Emeritus Faculty: James M. Goodwin, Ervin H. Schwarcz

CAREER OPPORTUNITIES

Scientific research and development, industrial work, or teaching

The Department of Physics, Physical Sciences, and Geology offers the degrees Bachelor of Arts and Bachelor of Science, Physics, and Bachelor of Arts, Physical Sciences. A student may pursue a physical sciences major by electing one of the following concentrations: applied physics, earth and space sciences, or environmental sciences. A student also may pursue a physical sciences major without a concentration by completing sufficient upper-division units.

The department also offers degree minors in the following areas: physical sciences, physics, and microelectronics.

A concentration in physics and physical sciences for the Bachelor of Arts degree in liberal studies is available.

Bachelor of Arts and Bachelor of Science, Physics

The curriculum in physics is designed to give the student 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 those students who wish to prepare 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 course work and study in engineering.

Requirements

1. Complete University 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 4560 Solid State Physics, 3 units
PHYS 4900 Modern Optics and Lasers, 3 units

The Bachelor of Science Major (35 units)

- 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
 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

The Minor in Physics

Requirements (18 units)

Complete 18 units in physics as approved by the minor adviser, to include at least eight upper-division units.

The Minor in Microelectronics

The purpose of this degree minor is to provide students with 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 for the Liberal Studies concentration in Physics and Physical Sciences.

Bachelor of Arts, Physical Sciences

The Bachelor of Arts, Physical Sciences is an interdisciplinary degree designed to prepare students for a greater diversity of professions requiring an understanding of the fundamentals of the physical sciences including courses in the following areas: 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.

A student also may pursue a physical sciences major 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. The student should consult with a departmental adviser as to the areas of interest and to the proper selection of courses to suit his or her aims.

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 course work at the Moss Landing Marine Laboratories for fulfillment of major requirements. Refer to the "Marine Sciences" section of this catalog for description of Moss Landing course offerings.

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 Premedical and Health Professions Committee. See the "Premedical and Health Professions" section of this catalog.

Requirements

- Complete University 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.

Environmental Sciences Concentration

Requirements (24 units)

- Complete the upper-division requirements of the environmental sciences concentration, 13 units.
- Select an additional 11 upper-division units of courses 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 3400 Plate Tectonics, 4 units
 - GEOL 4300 Minerals and Crystals, 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

Applied Physics Concentration

Requirements (25 units)

- Complete the following courses (9 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
- Select 12 upper-division units in physical sciences or mathematics, in consultation with the advisor.

The 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 for the Liberal Studies concentration in Physics and Physical Sciences.

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 0105 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)

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. **Corequisite(s):** PHYS 2112 and/or PHYS 2114. **Prerequisite:** PHYS 2100. (Lecture, 3 hours; discussion, 1 hour; laboratory, 3 hours) (CAN PHYS 4) (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. **Prerequisite:** 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) (Fall)

PHYS 3020 Introduction to Mathematics Physics II (3 units).

Continuation of PHYS 3010. **Prerequisite:** PHYS 3010. (Spring)

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. (Spring)

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.

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. (Lecture, 3 hours) (Fall)

PHYS 4520 Quantum Mechanics II (3 units).

Continuation of PHYS 4510. **Prerequisite:** PHYS 4510. (Spring)

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 (Topics to be specified in Class Schedule) (1–5 units).

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.

Postbaccalaureate**PHYS 5960 Graduate Project (1–6 units).**

For qualified students seeking a specialized project. **Prerequisites:** Consent of instructor and graduate adviser.

PHYS 5990 Thesis (1–6 units).

Master's thesis research. May be repeated for a total of 6 units. **Prerequisites:** Classified graduate standing in M.A. Special Major Program and consent of graduate committee.

PHYS 6100 Teaching Kinematics in the High School (3 units).

A physics course with a focus on mechanics, providing physics advancement for high school teachers. Course covers developing the curriculum, strategies for teaching in the High School classroom, and assessment. **Prerequisite:** Appropriate teaching credential and consent of instructor. (Lecture, 3 hours) (Summer)

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 (Topics to be specified in Class Schedule) (1–5 units).**

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 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 F1. **Prerequisite:** Upper-division standing or consent of instructor. (Lecture, 3 hours)

Politics and Public Administration

College of Arts, Letters, and Sciences

Office: Bizzini Hall 132
(209) 667-3388, Fax (209) 667-3724

Chair: Jason C. Myers

Email: LRiddell@csustan.edu

Faculty: As'ad AbuKhalil, David H. Colnic, Lawrence L. Giventer, April A. Hejka-Ekins, Judith J. Hendricks, Steven W. Hughes, Jason C. Myers, Stephen R. Routh

CAREER OPPORTUNITIES

Government agencies: local, state, federal, and international; Business management and government relations; not-for-profit organizations, teaching, journalism, law

The Department of Politics and Public Administration offers the Bachelor of Arts, Political Science and Master of Public Administration (MPA) degrees. The department also sponsors an undergraduate concentration in Public Administration and minors in Political Science and Public Administration. Consult the "Graduate Studies in Public Administration" section for an explanation of MPA program requirements and course offerings.

The department provides support for numerous programs on campus, including social sciences, liberal studies, international studies, Latin American studies, and gender studies. For further information, 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 per week and receive academic credit through a special seminar or individual study.

Careers in Law

Students who are interested in entering the legal profession are strongly encouraged to contact the prelaw advisor 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 currently 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 of Politics and Public Administration. (See next page for a list of recommended courses.)

Careers in Government, Public Agencies, and Private Organizations

The political science major and the concentration in public administration focus 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 and administration 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:

Taught in English:

- Denmark - University of Copenhagen
- Korea - Yonsei University
- Sweden - Uppsala University
- United Kingdom - University of Bradford, University of Bristol, University of Hull, Kingston University, University of Wales

Students with fluency in French, German, or Spanish may study at the following universities:

- France - University of Paris
- Germany - University of Tubingen
- Spain - University of Madrid

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, 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 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 and Medieval Political Thought, 3 units, **or**
PSCI 3010 Modern Political Thought (WP), 3 units
1 additional course in Political Theory and Methodology (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 advisor (11-16 units)
4. Completion of a minor is not required. Eight units of CR-graded course work in courses graded exclusively CR/NC may apply toward the major.

Political Theory and Methodology

- PSCI 3000 Ancient and 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 Political Science, 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

Public Administration Concentration Within the B.A. Degree, Political Science

Requirements

1. Complete the following prerequisites in the major field (6 units):
PSCI 1201 American Government, 3 units
PSCI 2000 Introduction to Political Science, 3 units
(recommended)

*Note: Completion of the following course is strongly recommended:
MATH 1600 Statistics, 4 units*

2. Complete the following courses in the political science core (9-11 units):
PSCI 3000 Ancient and Medieval Political Thought, 3 units, **or**
PSCI 3010 Modern Political Thought (WP), 3 units
One 3000-level course in International Relations, 3-4 units
One 3000-level course in Comparative Politics, 3-4 units
3. Complete the following courses in the public administration core (16 units):
 - a. PSCI 3304 Introduction to Public Administration (WP), 4 units
 - b. Four of the following courses:
PSCI 3030 American Political Thought, 3 units
PSCI 4300 Organization Theory, 4 units
PSCI 4314 Ethics in Government, 4 units
PSCI 4315 Public Policy Making, 3 units
PSCI 4325 Land Use Planning, 3 units
PSCI 4340 Political Demography, 3 units
4. Complete two of the following courses not taken above (6-8 units):
PSCI 3030 American Political Thought, 3 units
PSCI 3210 Legislative Process, 3 units
PSCI 3220 Constitutional Law, 4 units
PSCI 3225 Civil Liberties, 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 4040 Politics in the 21st Century, 3 units
PSCI 4230 The Presidency, 3 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 4325 Land Use Planning, 3 units
PSCI 4330 Urban Politics, 4 units
PSCI 4340 Political Demography, 3 units
PSCI 4350 Government, Business, and the Economy, 3 units
PSCI 4600 Statistical Analysis for Politics, 4 units
PSCI 4940 Public Administration Internship, 3 units
5. Complete two of the following courses in supporting fields (6 units):
COMM 3120 Management Communication, 3 units
COMM 4110 Organization Communication, 3 units
ECON 4050 Comparative Economic Systems, 3 units
ECON 4100 Labor Economics, 3 units
ECON 4415 International Economics, 3 units
ECON 4540 Public Finance and Fiscal Policy, 3 units
ECON 4600 Urban Economics, 3 units
HIST 3640 Contemporary United States, 3 units
SOCL 4800 Formal Organizations in Modern Society, 3 units
6. Complete other electives chosen in consultation with the academic adviser to total at least 37 upper-division units in political science.

Minor in Political Science

Requirements (19 units)

1. 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
2. Complete upper-division courses as approved by the minor adviser for 13 units.

Minor in Public Administration

Requirements (22 units minimum)

1. Complete the following course (3 units):
PSCI 1201 American Government, 3 units
2. Complete the following upper-division courses (19 units minimum):
 - a. PSCI 3304 Introduction to Public Administration (WP), 4 units
 - b. Five of the following courses:
PSCI 3030 American Political Thought, 3 units
PSCI 4040 Politics in the 21st Century, 3 units
PSCI 4314 Ethics in Government, 4 units
PSCI 4315 Public Policy Making, 3 units
PSCI 4325 Land Use Planning, 3 units
PSCI 4340 Political Demography, 3 units
PSCI 4600 Statistical Analysis for Politics, 4 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).

Prelaw Courses

Prelaw Advisor: Stephen R. Routh

Departmental majors contemplating a career in law should consider, in addition to the basic degree requirements, the following courses. The prelaw advisor 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 and 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

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 (Topics to be specified in Class Schedule) (1-5 units).

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. **Prerequisite:** 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 principle 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. **Prerequisite:** 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 Euro-patriarchal 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 Bldg (3 units).

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

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. **Corequisite:** 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. **Prerequisites:** 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 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 (Topics to be specified in Class Schedule) (1-5 units).

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.

Postbaccalaureate**PSCI 5980 Individual Study (1-4 units).**

For postbaccalaureate students who seek advanced and specialized study. **Prerequisites:** Consent of instructor and approval of graduate adviser.

PSCI 5990 Thesis (1-6 units).

Thesis research. May be repeated for a total of 6 units. **Prerequisites:** Consent of instructor and approval of graduate advisor.

Graduate Studies in Public Administration

Master of Public Administration (MPA) Program

Director: April Hejka-Ekins

Graduate Studies in Public Administration is a comprehensive program of professional graduate-level study which leads to the Master of Public Administration degree. The program is offered by the Department of Politics and Public Administration. Its purpose is to educate and train administrators and policy analysts to pursue leadership and management careers at local, state, and national levels.

The objectives of the MPA program are:

- To provide education and skill acquisition for public service professionals with particular emphasis on the needs of government and not-for-profit organizations in Northern and Central California.
- To maintain and improve the capacity of local and regional governments to provide excellence in public service.
- To conduct research that will broaden the base of knowledge and skills in the field of public administration.
- To serve the regional community through faculty and student involvement in public affairs.

The program serves public service professionals seeking advanced education and training as part-time students and also serves full-time students preparing for careers in public service. Program courses are offered on both the Turlock and Stockton campuses.

The MPA Program is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA) and has been placed on the national roster of programs conforming with NASPAA standards for professional graduate degrees in public administration.

Prerequisites for Admission

1. A baccalaureate degree from an accredited college or university.
2. A grade point average of 2.7 or better in the last 60 semester units. GRE is not required.
3. Three letters of recommendation from individuals who can evaluate the applicant's work or studies and can comment on the applicant's potential as a graduate student and professional in the field of public administration. If possible, two of the letters should be from former college instructors who can comment on the applicant's ability to succeed in graduate studies.
4. Current resume that details the applicant's education, work experience, and other qualifications.
5. A one- to two-page letter of intent explaining the applicant's purpose and career objectives in pursuing a MPA degree.
6. Application evaluation and approval by the Director of the Master of Public Administration program.
7. Regardless of citizenship or residency, **persons 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 submit satisfactory scores on the Test Of English as a Foreign Language (TOEFL).** The minimum acceptable scores required for graduate students are scores of 550 (213) Total and 54 (21) part-scores. U.S. Immigrants may substitute satisfactory (954 or higher) English Language Proficiency Test (ELPT) scores to satisfy the undergraduate TOEFL requirement. Exemption from submission of TOEFL scores is not granted based solely on enrollment of an international student for two or more years at a two-year college.

Requirements for the Degree (42 units)

1. All students are required to complete a minimum of 42 semester units of upper-division and graduate courses and seminars. A minimum of 30 of these units must be in graduate courses and seminars.
2. Students who have not had formal study in politics, economics, statistics, and introductory computer applications are advised to complete undergraduate courses before enrolling in graduate-level courses in these subjects.

3. All students are required to complete successfully one of the following options in partial fulfillment of the upper-division degree requirements:

a. Thesis

- Required and approved elective courses, 36 units
- Approved research methods courses, 3 units
- Thesis Research, 3 units minimum
- Submission of written thesis
- Passing an oral thesis defense

b. Comprehensive Examination

- Required and approved elective courses, 42 units
- Passing a written comprehensive examination

Note: The option is to be selected by the student in consultation with his/her advisor.

4. Students must complete the MPA program with a minimum grade point average of 3.0 (on a scale of 0.0 to 4.0) on all upper-division and graduate course work credited toward the MPA degree. No grade less than a B– (B minus) is acceptable for the completion of a required course. A student who receives less than a B– in a required course must take the course again. A student who takes the same required course twice and does not receive a B– or better will be dropped from the program. No elective course with a grade below C may count toward completion of the required units for the MPA degree. Students who receive a grade lower than C will have their performance reviewed by the MPA Graduate Studies Committee and may be dropped from the program. A student who completes more than two courses with grades below B– will be dropped from the program. No course which is to be counted toward the MPA degree may be graded credit/no credit, with the one exception of PADM 5940, Public Administration Internship.
5. A public service internship is a strongly recommended part of the MPA program, especially for the “pre-service” student. Internship positions and standards of experiential internship education are coordinated with local, county, regional, state and federal administrative agencies, not-for-profit organizations, or the offices of elected officials. An internship generally involves 300 hours of work with one or more public sector organizations. The intern works on agency assignments under the supervision of agency personnel while maintaining a close liaison with the faculty internship program coordinator. Interns may be voluntary or paid by the sponsoring agency. Interns are required to take PADM 5000, Administration in Public Affairs and PADM 5940, Public Administration Internship. Internship experience can be a valuable start to a professional career for the pre-service public administration student. Your academic advisor or the faculty internship program coordinator will be able to provide further specific information and guidance.
6. The degree of Master of Public Administration will be awarded upon certification of successful completion of degree requirements by the MPA Graduate Studies Committee.
7. All students are required to complete the following nine courses (27 units):

PADM 5000	Administration in Public Affairs, 3 units
PADM 5006	Public Finance, 3 units
PADM 5007	State and Local Public Finance, 3 units
PADM 5010	Quantitative Analysis, 3 units
PADM 5015	Public Policy Analysis, 3 units
PADM 5100	Organizational and Administrative Theory, 3 units
PADM 5110	Public Personnel Administration, 3 units
PADM 5130	Public Service Ethics, 3 units
PADM 5200	Public Agency Budgeting, 3 units
8. In addition to the required courses, all students will complete a minimum of 15 elective units chosen in consultation with the adviser. Up to 6 units may be 4000–level courses. These electives permit some specialization and may be selected to meet each student's career needs.

PADM 5106	Organizational Development/Group Dynamics, 3 units
PADM 5120	Collective Bargaining in the Public Sector, 3 units
PADM 5140	Combating Political Corruption, 3 units
PADM 5203	Local Government Budgeting Simulation, 3 units

PADM 5300	Urban/Regional Planning, 3 units
PADM 5400	Computer Applications in Public Administration, 3 units
PADM 5500	Administrative Law and Public Policy, 3 units
PADM 5505	Intergovernmental Relations, 3 units
PADM 5554	Seminar in Case Analysis, 3 units
PADM 5600	Political Theory in Public Management, 3 units
PADM 5644	Bureaucracy in Novels and Plays, 3 units
PADM 5700	County Government Administration, 3 units
PADM 5715	Health Services Administration, 3 units
PADM 5720	Research Design/Program Evaluations, 3 units
PADM 5800	Seminar in Special Topics in Public Administration, 1-5 units
PADM 5940	Public Administration Internship, 3 units
PADM 5980	Individual Study, 1-4 units
PADM 5990	Thesis, 1-3 units
PSCI 4060	Globalization and Democracy: Ideals and Institutions, 4 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
PSCI 4600	Statistical Analysis for Politics, 4 units
ECON 4100	Labor Economics, 3 units
ECON 4300	Mathematical Economics, 3 units
ECON 4415	International Economics, 3 units
ECON 4600	Urban Economics, 3 units
ECON 5050	Business and the Economic Environment, 3 units
GEOG 4301	Permaculture Applications in Diverse Environments, 3 units
GEOG 4350	Urban Geography, 4 units
GEOG 4750	Geographic Information Systems, 3 units
MATH 4430	Operations Research, 3 units
PHIL 4401	Professional Ethics, 3 units

Note: Other 4000 or 5000 level courses, besides those listed here, may also be taken as electives toward the MPA degree if deemed relevant and approved in writing by your graduate advisor.

Course Descriptions

PADM 5000 Administration in Public Affairs (3 units).

A graduate introduction to the problems, principles, and theory encountered in the profession of public administration. Specific areas covered include the relationship between bureaucratic and democratic theory, organizational structure, policymaking, personnel administration, fiscal and budgetary processes, and administrative regulation. **Prerequisite:** PSCI 1201 or equivalent. (Fall, Spring)

PADM 5006 Public Finance (3 units).

Examines potential role of government fiscal policy in a market economy. Includes some review of economic theory. Topics may include, but are not limited to, benefit-cost analysis, revenues, expenditures, fiscal federalism, and the impact of implementing fiscal policy. **Prerequisite:** ECON 2500 or 2510 or consent of instructor.

PADM 5007 State and Local Public Finance (3 units).

Examines the potential role of state and local governments in the economy with particular emphasis on application of economic tools to issues of importance within California. Topics may include, but are not limited to, revenues and expenditures, intergovernmental financial relations, public choice, benefit-cost analysis, and in-depth program evaluation. **Prerequisite:** PADM 5006.

PADM 5010 Quantitative Analysis (3 units).

Study of the basis of empirical research, and the collection and analysis of quantitative data for the purpose of decision making. **Prerequisite:** CS 1000, an introductory course in social science methodology or statistics (e.g., MATH 1600), or consent of instructor and classified standing in the MPA program. (Fall)

PADM 5015 Public Policy Analysis (3 units).

Study of processes by which public policy is formulated, implemented, and evaluated. Emphasis will be placed on increasing understanding and developing skills of critical assessment and inquiry about policies with respect to (a) the development of courses of action for problem resolutions, (b) the environmental context of policy actions, (c) the application/administration of public policy, (d) methods for the assessment of resultant impacts and consequences of policy actions. **Prerequisites:** PADM 5000 and 5010. (Spring)

PADM 5100 Organizational and Administrative Theory (3 units).

(Same as MGT 5100) Examines the development and current emphases in organization theory from scientific management to existentialism. Focus is on the use of theory in public management. **Prerequisite:** Classified standing in the MPA program. (Fall)

PADM 5106 Organizational Development/Group Dynamics (3 units).

Uses an experiential skill-building approach towards improved interpersonal and group relations in a public sector environment. Students learn how to diagnose and influence the decision making behavior of small groups. **Prerequisite:** PADM 5100 or consent of instructor. (Spring)

PADM 5110 Public Personnel Administration (3 units).

An intensive overview of the personnel functions of public management. Topics include staffing, training and development, merit systems, labor relations, equal employment opportunity and affirmative action, and job evaluation. **Prerequisite:** Classified standing in the MPA program. (Fall)

PADM 5120 Collective Bargaining in the Public Sector (3 units).

General survey of employer-employee relations in the public sector. Particular attention paid to developments in public employee collective bargaining legislation and present state of the art of negotiations for conflict resolution in the public sector. **Prerequisite:** Classified standing in the MPA program or consent of instructor. (Fall)

PADM 5130 Public Service Ethics (3 units).

Addresses ethical dilemmas inherent in the tension between organizations and individuals. Concepts include: administrative discretion, organizational roles and role conflicts, organizational norms, procedures and structures, and responsible behavior. Skill development in ethical decision-making is emphasized. Case studies from the public sector are used. **Prerequisite:** Classified standing in the MPA program. (Fall, Winter)

PADM 5140 Combating Political Corruption (3 units).

Explores the nature and dynamics of political corruption in terms of waste, fraud, and abuse especially as it relates to the public sector. Particular emphasis on systemic corruption and the role of the whistleblower is examined. **Prerequisite:** PADM 5000 and classified standing in the MPA program.

PADM 5200 Public Agency Budgeting (3 units).

Covers line-item, performance, and program budgets at various governmental levels. Capital budgets and fiscal techniques are explored. PADM 5005 recommended. **Prerequisite:** Classified standing in the MPA program. (Spring)

PADM 5203 Local Government Budgeting Simulation (3 units).

A hands-on simulation of the formation, adoption, and implementation of a city budget. **Prerequisites:** Classified standing in the MPA program and PADM 5200.

PADM 5300 Urban/Regional Planning (3 units).

The structure and role of urban and regional planning; the planning process, policy tools, planning models, urban indicators, growth limits, and policy objectives. **Prerequisite:** Classified standing in the MPA program or consent of the instructor. (Fall, Spring)

PADM 5400 Computer Applications in Public Administration (3 units).

Develops the knowledge and skills in computing needed by public administrators, planners, and policy analysts. The focus is on the use of computer programs important to effective public management. Applications include data base management, spreadsheet analysis, statistical analysis, presentation graphics, communications, word processing, bibliographic retrieval, and project management. Examples are drawn from government and not-for-profit organization settings. **Prerequisites:** CS 1000 or equivalent and classified standing in the MPA program. (Winter)

PADM 5500 Administrative Law and Public Policy (3 units).

Examines the basic principles of constitutional and administrative law, leading cases, judicial decisions affecting powers, procedures and processes of governmental agencies, (e.g., decision making processes in execution of administrative legislation, adjudication and discretion duties, and the rights and liabilities of public officials.) **Prerequisite:** Classified standing in the MPA program. (Spring)

PADM 5505 Intergovernmental Relations (3 units).

Examines the administrative, political, and fiscal dimensions of intergovernmental relations. Focuses on the development of the federal system, the character of interlevel contacts, and the main features of intergovernmental transfers. **Prerequisite:** Classified standing in the MPA program. (Fall, Spring)

PADM 5554 Seminar in Case Analysis (3 units).

Examines various issues in public administration at the national, state, and local levels via the case method. **Prerequisite:** Classified standing in the MPA program or consent of instructor.

PADM 5600 Political Theory in Public Management (3 units).

Focuses on the evolution of Western political ideals and values. Students read and discuss works by such philosophers as Plato, Aristotle, Machiavelli, Locke, Marx, and Rawls. Political values and concepts discussed are related to contemporary problems of public management. **Prerequisite:** Classified standing in the MPA program. (Fall)

PADM 5654 Bureaucracy in Novels and Plays (3 units).

Examines public administration principles and practices as portrayed in fiction. **Prerequisite:** Classified standing in the MPA program or consent of instructor.

PADM 5700 County Government Administration (3 units).

A seminar designed to orient students with the politics, structure, and functions of county government in the United States. Particular attention is paid to functional areas of county responsibility (e.g., budgeting, planning, personnel) and the range of current problems faced by counties. **Prerequisite:** Classified standing in the MPA program. (Fall)

PADM 5715 Health Services Administration (3 units).

Addresses management processes and policy issues unique to health care delivery. Topics will include advanced study of finance, program evaluation, planning, regulation, and the political and social environment of health services. **Prerequisite:** PADM 5000 or consent of instructor. (Spring)

PADM 5720 Research Design/Program Evaluation (3 units).

A graduate level course in research design and program evaluation. Addresses public programs, policies, and environments. Required of MPA students conducting thesis research. Recommended for program evaluation competency. **Prerequisite:** Classified standing in the MPA program or consent of instructor.

PADM 5940 Public Administration Internship (3 units).

Study of the scholarly and field dimensions of employment in public sector. Designed for students who are serving as interns in public agencies. **Prerequisite:** Classified standing in the MPA program. (Spring)

PADM 5950 Seminar in Special Topics in Public Administration (1-5 units).

(Formerly PADM 5800) Analysis of selected topics in public administration. Topics may vary each semester. Such topics may include professionalism, public policy, and politics; urban area administration and policy; social science implications in public policy. **Prerequisite:** Classified standing in the MPA program. (Fall, Winter, Spring, Summer)

PADM 5980 Individual Study (1-4 units).

For postbaccalaureate students in public administration who seek advanced and specialized study. **Prerequisites:** Consent of instructor and approval of graduate advisor.

PADM 5990 Thesis (1-3 units).

Thesis research. To be repeated for a minimum of 3 units. **Prerequisites:** Classified standing in MPA program, consent of instructor, and approval of graduate adviser.

PADM 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Psychology

College of Arts, Letters, and Sciences

Office: Classroom Building 231
(209) 667-3386

E-mail: mpetersen@csustan.edu

Chair: Gina M. Pallotta

Faculty: Rita Ann Asher, Kurt Baker, Lisa Carlstrom, Yueh-Wen Chang, Victoria Cortez, Jennifer Esterly, Susan Goodwyn, Bruce E. Hesse, Jane S. Howard, Jamie McCreary, Cynthia L. Morgan, Lin S. Myers, Todd D. Nelson, Gary D. Novak, Gina M. Pallotta, William Potter, Rosanne Roy, Stanley E. Sherman, Harold Stanislaw, Dawn Strongin, James A. Wakefield, Jr.

Emeritus Faculty: W. Mack Goldsmith, Thomas M. Kimlicka

CAREER OPPORTUNITIES

College and university teaching, special education programs, marriage, family, child counselor, guidance counselor, psychiatric nursing, industrial personnel, private hospitals, clinics, school psychologist, vocational guidance, community center and mental health counselor, behavior analyst, parent training, and business and industry

The Department of Psychology offers the degrees Bachelor of Arts, Master of Arts, and Master of Science. Concentrations in Counseling Psychology and Behavior Analysis are available in the Master of Science program. Within the Bachelor of Arts program, optional concentrations in Developmental Psychology and Experimental Psychology are offered. The Department of Psychology also offers a minor in Psychology.

The University offers a Bachelor of Arts, Social Sciences, with an interdepartmental major in psychology and any other two disciplines within the social sciences. (For further information, see the "Social Sciences" section of this catalog.)

Bachelor of Arts, Psychology

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

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. **Foundations of Psychology:** Receive a passing letter grade or credit in **all** of the following prerequisites to the major (10 units):
 - PSYC 2010 Introduction to Psychology, 3 units, **or** equivalent
 - PSYC 2020 Introduction to Psychological Methods, 3 units, **or** equivalent
 - MATH 1600 Statistics, 4 units, **or** equivalent

Note: Students are advised to complete these courses as soon as possible since they are prerequisites to many upper-division psychology courses.
3. **Social Sciences:** Receive a passing letter grade or credit in any **one** of the following courses in supporting fields (3 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 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 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, 3 units (with co-requisite PSYC 4103, 0 units) (WP)
- PSYC 4120 Human Development Research Seminar, 3 units (with co-requisite PSYC 4123, 0 units) (WP)
- PSYC 4310 Research Seminar in Social Psychology, 3 units (with co-requisite PSYC 4313, 0 units) (WP)
- PSYC 4410 Research Seminar in Cognitive Psychology, 3 units (with co-requisite PSYC 4413, 0 units) (WP)
- PSYC 4725 Experimental Analysis of Behavior Research Seminar, 3 units (with co-requisite PSYC 4726, 0 units) (WP)

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. Field work, 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 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 4400 Cognitive Processes, 3 units
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4250 Drugs and Behavior, 3 units
- PSYC 4720 Experimental Analysis of Behavior, 3 units
- PSYC 4700 Intelligence, 3 units

D. 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

E. 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 At-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 4440 Psychology of Workplace Performance, 3 units
- PSYC 4320 Forensic Psychology, 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 Field Work 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 Field Work in Psychology, 1-2 units
- PSYC 4950 Selected Topics in Psychology, 1-5 units
- PSYC 4980 Individual Study in Psychology, 1-4 units
- PSYC 4990 Senior Honors Thesis, 3 units

Bachelor of Arts, Psychology with a Concentration in Developmental Psychology

Students majoring in Psychology need not select a concentration. However, the concentration in Developmental Psychology provides students with the opportunity to study human developmental processes from a psychological perspective. The concentration prepares students 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 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 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 (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 unit minimum)

A. Experimental Methods & 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 unit minimum)

Note: Students are reminded to check course prerequisites when selecting Research Seminars; enrollment requires completion of one or more prerequisites.

1. Receive a passing letter grade of C- or better in the Research Seminar 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 this WP course.
 - PSYC 4120 Human Development Research Seminar, 3 units (with co-requisite PSYC 4123, 0 units) (WP)
2. Receive a passing letter grade 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, 3 units (with co-requisite PSYC 4103, 0 units) (WP)
- PSYC 4310 Research Seminar in Social Psychology, 3 units (with co-requisite PSYC 4313, 0 units) (WP)
- PSYC 4410 Research Seminar in Cognitive Psychology, 3 units (with co-requisite PSYC 4413, 0 units) (WP)
- PSYC 4725 Experimental Analysis of Behavior Research Seminar, 3 units (with co-requisite PSYC 4726, 0 units) (WP)

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 A through D 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 A, B and C. A minimum of 9 units is required in area F. Coursework in Area E 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. Field work, 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.

A. 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 4400 Cognitive Processes, 3 units
- PSYC 4110 Behavior Genetics, 3 units
- PSYC 4250 Drugs and Behavior, 3 units
- PSYC 4720 Experimental Analysis of Behavior, 3 units
- PSYC 4700 Intelligence, 3 units

B. Psychology as a Social Science (6 unit 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

C. 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 At-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 4440 Psychology of Workplace Performance, 3 units

PSYC 4320 Forensic Psychology, 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

D. Human Development Electives (9 unit minimum)

Take a minimum of 9 units beyond those completed in Areas A 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 At-Risk Children,
 4 units
 PSYC 4110 Behavior Genetics, 3 units
 PSYC 4130 Psychological Disorders of Children, 3 units
 PSYC 4150 Learning Disabilities, 3 units

E. 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 Field Work 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 Field Work in Psychology, 1-2 units
 PSYC 4950 Selected Topics in Psychology, 1-5 units
 PSYC 4980 Individual Study in Psychology, 1-4 units
 PSYC 4990 Senior Honors Thesis, 3 units

Bachelor of Arts, Psychology with a 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 all graduate programs.

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. **Foundations of Psychology:** Receive a passing letter grade or credit in **all** of the following prerequisites to the major (10 units):
 PSYC 2010 Introduction to Psychology, 3 units, **or** equivalent

PSYC 2020 Introduction to Psychological Methods,
 3 units, **or** equivalent
 MATH 1600 Statistics, 4 units, **or** equivalent

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

3. **Social Sciences:** Receive a passing letter grade or credit in **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 & 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 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, 3 units (with co-requisite PSYC 4103, 0 units) (WP)
 PSYC 4120 Human Development Research Seminar, 3 units (with co-requisite PSYC 4123, 0 units) (WP)

PSYC 4310 Research Seminar in Social Psychology, 3 units (with co-requisite PSYC 4313, 0 units) (WP)

PSYC 4410 Research Seminar in Cognitive Psychology, 3 units (with co-requisite PSYC 4413, 0 units) (WP)

PSYC 4725 Experimental Analysis of Behavior Research Seminar, 3 units (with co-requisite PSYC 4726, 0 units) (WP)

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 (D- or higher) 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 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. Field work, 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 4400 Cognitive Processes, 3 units

PSYC 4110 Behavior Genetics, 3 units

PSYC 4250 Drugs and Behavior, 3 units

PSYC 4720 Experimental Analysis of Behavior, 3 units

PSYC 4700 Intelligence, 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 At-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 4440 Psychology of Workplace Performance, 3 units

PSYC 4320 Forensic Psychology, 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, 3 units (with co-requisite PSYC 4103, 0 units) (WP)

PSYC 4110 Behavior Genetics, 3 units

PSYC 4120 Human Development Research Seminar, 3 units (with co-requisite PSYC 4123, 0 units) (WP)

PSYC 4310 Research Seminar in Social Psychology, 3 units (with co-requisite PSYC 4313, 0 units) (WP)

PSYC 4400 Cognitive Processes, 3 units

PSYC 4410 Research Seminar in Cognitive Psychology, 3 units (with co-requisite PSYC 4413, 0 units) (WP)

PSYC 4720 Experimental Analysis of Behavior, 3 units

PSYC 4725 Experimental Analysis of Behavior Research Seminar, 3 units (with co-requisite PSYC 4726, 0 units) (WP)

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 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 Field Work 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 Field Work in Psychology, 1-2 units

PSYC 4950 Selected Topics in Psychology, 1-5 units

PSYC 4980 Individual Study in Psychology, 1-4 units

Minor in Psychology

Requirements (18 units)

1. 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 unit 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 4720 Experimental Analysis of Behavior, 3 units

PSYC 4700 Intelligence, 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 unit minimum)

PSYC 3010 Child Abuse and Neglect, 1 unit

PSYC 3160 Introduction to Psychological Testing, 3 units

PSYC 3790 Introduction to Counseling Theory, 3 units

PSYC 3550 Early Intervention with At-Risk Children,
4 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 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 Field Work 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 Field Work in Psychology, 1-2 units

PSYC 4950 Selected Topics in Psychology, 1-5 units

PSYC 4980 Individual Study in Psychology, 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. Please refer to the "College of Education, Teacher Education" section of this catalog for a description of 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.

Minimum Prerequisites for Admission

1. A Bachelor of Arts or Bachelor of Science degree in Psychology **or** completion of a course in Introductory Psychology and a minimum of 16 upper-division semester units in psychology with a grade of B- or better with course content acceptable to the Psychology Graduate Committee, as outlined below:
 - One upper-division course in experimental psychology (PSYC 3000)
 - One upper-division general psychology course
 - Two upper-division laboratory courses or research seminars in psychology
 - Three courses, one for each breadth area (C, D & E) as defined in the requirements for CSU Stanislaus undergraduate degree in Psychology
2. A minimum 3.0 grade point average in the undergraduate major.
3. Satisfactory performance on the Graduate Record Examination (GRE) general test, which includes the GRE Analytical Writing Section.
4. The student chooses an area of interest and a faculty member with whom the student would like to work. After consultation with the faculty member prior to applying, the student submits:
 - a. a brief description of a sample problem the student might choose as a thesis,
 - b. a letter of support from the faculty member stating that he or she agrees to serve as chair of the student's Master's committee and will direct the research for the student's chosen project,
 - c. a list of all course work needed for completion of the student's degree.

5. Three letters of recommendation.
6. Approval by the Psychology Department.

Minimum Prerequisites for Continuation

1. Maintenance of a 3.0 grade point average in all courses attempted.
2. Satisfactory progress toward the degree.
3. A classified graduate student in psychology will be dropped from classified standing upon receiving more than three units of graduate study graded less than B-. However, any graduate student may retake a course graded less than B- for a higher grade, and a classified student must remove such grade deficits (in excess of three units) in the next semester or petition the Graduate Committee for a time extension if it is impossible to make up the deficit. In no case will more than three units of graduate study graded less than B- be counted towards a Master's degree.
4. Other requirements may be stated in University and Departmental Guidelines for Academic Probation and Termination. The student is responsible for obtaining current copies of these regulations and complying with the criteria listed.

Requirements (30 units)

1. Complete the Master of Arts program, as outlined below (30 units):
 - a. Complete the following courses (9-14 units):
 PSYC 5010 Advanced Research Methods, 2 units
 PSYC 5020 Advanced Statistical Analysis, 3 units
 PSYC 5940 Field Work, 1-6 units
 PSYC 5990 Master's Thesis, 3 units
 - b. Select the remaining 16-21 units from the available 4000- and 5000- level catalog courses. These courses are to be selected with prior approval of the student's thesis committee (PSYC 5780, 5790, 5910, and 5930 are not open to Master of Arts students.)
 - c. At least 50% of all M.A. course work must be at the 5000-level. There are also restrictions as to the amount of course work that can be graded "Credit/No-Credit."
2. Complete Master of Arts research including a public defense of the thesis.

Note: No more than 9 units of graduate credit can be transferred from work taken while in unclassified status. The 9-unit limit may also apply to any graduate work transferred from other institutions.

Note: Once students start the thesis process they must be continuously enrolled in thesis units.

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.

Minimum Prerequisites for Admission

1. A Bachelor of Arts or Bachelor of Science degree in Psychology and completion of the concentration prerequisites, with a grade of B- or better or completion of a course in Introductory Psychology, completion of the concentration prerequisites with a minimum of 16 upper-division semester units in psychology with a grade of B- or better with course content acceptable to the Psychology Graduate Committee.

Behavior Analysis Concentration prerequisites:

- One upper-division course in Experimental Psychology (PSYC 3000)
- One upper-division course in Human Development (PSYC 3140)
- One upper-division introductory course on Learning Theory (PSYC 3700 or 4720)
- One upper-division introductory course in Abnormal Psychology (PSYC 3350)
- One upper-division introductory course in Counseling Theory (PSYC 3790)
- One upper-division introductory course in Counseling Techniques (PSYC 4770)

Counseling Concentration prerequisites:

- One upper-division course in Experimental Psychology (PSYC 3000)
- One upper-division course in Human Development (PSYC 3140)
- One upper-division introductory course in Psychological Testing (PSYC 3160)
- One upper-division introductory course on Social Psychology (PSYC 3310)
- One upper-division introductory course in Abnormal Psychology (PSYC 3350)
- One upper-division introductory course in Counseling Theory (PSYC 3790)
- One upper-division introductory course in Counseling Techniques (PSYC 4770)

2. A minimum 3.0 overall grade point average.
3. Satisfactory performance on the Graduate Record Examination (GRE) general test, which includes the GRE Analytical Writing Section.
4. Completion of a set of examinations or other requirements by the Psychology Department to determine or rectify those areas in which further preparation is required.
5. Approval by the Psychology Department.
6. Related work or volunteer experience is strongly recommended.

Minimum Prerequisites for Continuation

1. Maintenance of a 3.0 grade point average in all courses attempted.
2. Satisfactory progress toward the degree, which includes successful completion of course work, Practicum, and Thesis.
3. A classified graduate student in psychology will be dropped from classified standing upon receiving more than three units of graduate study graded less than B-. However, any graduate student may retake a course graded less than B- for a higher grade, and a classified student must remove such grade deficits (in excess of three units) in the next semester or petition the Graduate Committee for a time extension if it is impossible to make up the deficit. In no case will more than three units of graduate study graded less than B- be counted towards a Master's degree.
4. Other requirements may be stated in University and Department Guidelines for Academic Probation and Termination. The student is responsible for obtaining current copies of these regulations and complying with the criteria listed.

Requirements (49 units minimum)

1. Complete the appropriate 49 or more units or their equivalent.
2. Complete the 20 core units listed in the Basic Requirements Section as well as the requirements listed for the concentration to which they have been admitted.

Note: Some modification to the below stated requirements may be made to accommodate California educational requirements for the Marriage Family Therapist License and other program changes.

Basic Requirements (20 units)

- PSYC 5010 Advanced Methods for Psychological Research, 2 units
 PSYC 5020 Advanced Statistical Analysis of Psychological Data, 3 units
 PSYC 5080 Legal and Ethical Issues in Psychology and Counseling, 3 units
 PSYC 5130 Advanced Human Development, 3 units
 PSYC 5360 Seminar in Clinical Psychopathology, 3 units
 PSYC 5650 Child Clinical Interventions, 3 units
 PSYC 5990 Master's Thesis, 3 units

Note: Once students start the thesis process they must be continuously enrolled in thesis units.

Concentrations**Behavior Analysis (29 units)**

- PSYC 4550 Practicum with Exceptional Children, 3 units
 PSYC 4720 Experimental Analysis of Behavior, 3 units
 PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units
 PSYC 5070 Practicum in Child Diagnostics and Intervention, 3 units
 PSYC 5090 Behavioral Assessment, 3 units
 PSYC 5150 Seminar in Solution-Focused Therapy, 3 units
 PSYC 5640 Conceptual Issues in Behavior Analysis, 3 units
 PSYC 5680 Sexuality Counseling, 1 unit
 PSYC 5760 Chemical Abuse Counseling, 1 unit
 PSYC 5920 Psychology Research Apprentice, 1 unit
 PSYC 5925 Psychology Teaching Apprentice, 1 unit
 PSYC 5930 Practicum in Behavior Analysis, 3 units
 PSYC 5940 Field Work, 1 unit

Counseling (31 units)

- PSYC 5030 Psychodiagnostics I, 3 units
 PSYC 5690 Counseling Sexual Problems, 4 units
 PSYC 5850 Seminar in Multicultural Family Counseling, 3 units
 PSYC 5770 Substance Abuse and Chemical Dependency Counseling, 3 units
 PSYC 5780 Advanced Counseling, 3 units
 PSYC 5790 Family Counseling Theory and Practice, 3 units
 PSYC 5810 Seminar in Group Counseling and Psychotherapy, 3 units
 PSYC 5830 Seminar in Close Relationships, 3 units
 PSYC 5910 Practicum in Counseling and Diagnostics, 3 units (Must be repeated for a total of 6 units.)

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 laboratory courses 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, child care 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. Concurrent enrollment in PSYC 3080 not required.

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. Concurrent enrollment in PSYC 3410 not required.

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. **Co-requisite:** 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. Various theoretical viewpoints are covered, including cognitive, behavioral and gestalt theories of learning and motivation. Basic phenomena covered include classical and operant conditioning, the roles of reinforcement in learning, transfer of learning, and retention. Utilization of these concepts in classroom situations and society is demonstrated. **Prerequisite:** PSYC 2020 or concurrent enrollment. Concurrent enrollment in PSYC 3710 not required.

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).

The social, psychological, and physiological effects of all the major therapeutic and recreational drugs will be reviewed. 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 or 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) Analysis and evaluation of 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) The origins and assessment of intelligence and its role in cognitive functions are examined within the psychometric and neuroscientific frameworks.

PSYC 4720 Experimental Analysis of Behavior (3 units).

The study of behavior principles, emphasizing respondent and operant conditioning, and their application in experimental research. **Prerequisites:** 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 experimental data, analyze these Satisfies upper division writing proficiency requirement. **Corequisite:** PSYC 4726. **Prerequisites:** Completion of the Writing Proficiency Screening Test with a passing score, PSYC 3000 and concurrent enrollment in or prior completion of PSYC 4720. PSYC 3700 or PSYC 4790 may replace PSYC 4720 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*) Review of the factors that shape and influence interpersonal behavior in small groups. Interventions for improving group leadership and decision making will be examined. **Prerequisite:** PSYC 3310 or consent of instructor.

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 Degree in Child Development" or "Requirements for the Bachelor of Arts Degree, 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 Field Work 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 Degree in Child Development" or "Requirements for the Bachelor of Arts Degree, Psychology" for details regarding application to the respective major. **Prerequisites:** PSYC 2020 and consent of instructor.

PSYC 4950 Selected Topics in Psychology (Topics to be specified in Class Schedule) (1-5 units).

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, 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.

Graduate**PSYC 5010 Advanced Methods for Psychological Research (2 units).**

Examines the various methods used to study contemporary issues in psychology, and the strengths and weaknesses of each method. **Prerequisites:** PSYC 3000 and graduate standing in Psychology, or consent of instructor.

PSYC 5020 Advanced Statistical Analysis of Psychological Data (3 units).

Teaches students how to perform advanced analyses of data from psychological studies. **Prerequisites:** PSYC 5010 and graduate standing in Psychology, or consent of instructor.

PSYC 5030 Psychodiagnostics I (3 units).

Strategies of diagnostic evaluation with emphasis upon instruments for evaluation of intelligence, aptitudes, personality, and interests of adolescents and adults. **Prerequisites:** PSYC 3160, classified graduate standing, and consent of instructor.

PSYC 5070 Practicum in Childhood Diagnostics and Intervention (3 units).

A minimum of 6 diagnostic reports, including remedial recommendations, will be completed. At least 3 of the cases will be followed completely through intervention. Students will receive one hour per week of individual supervision. Work will be done in local agencies such as the Child Development Center. **Prerequisites:** PSYC 4720 or 4790 or PSYC 5080 and consent of instructor.

PSYC 5080 Legal and Ethical Issues in Psychology and Counseling (3 units).

Attempts to engage the student in the struggle with legal and ethical issues that most affect the practice of professional psychology. **Prerequisites:** PSYC 4770 and graduate standing.

PSYC 5090 Behavioral Assessment (3 units).

The general principles of behavioral assessment will be the primary subject matter with traditional psychological assessment procedures introduced for comparison purposes. Areas such as observation methods, reliability, and single-subject evaluation designs will be studied in detail. Applications of such evaluation techniques as they apply to intervention strategies will be examined. Theories and applications of commonly used psychological tests (such as the MMPI, WAIS, and Rorschach) will be discussed and their relevance compared to behavioral measures. **Prerequisites:** Graduate standing.

PSYC 5130 Advanced Human Development (3 units).

Empirical research on theoretical constructs of human development. **Prerequisites:** PSYC 3140 or equivalent, four upper-division courses in psychology, and graduate standing.

PSYC 5150 Seminar in Solution-Focused Therapy (3 units).

(Formerly PSYC 5960) Devoted to the study of strategic therapies as applied to both individuals and families. It is designed to help the student benefit from supervision in clinical settings which utilize strategic approaches. **Prerequisite:** Consent of instructor.

PSYC 5360 Seminar in Clinical Psychopathology (3 units).

Teaches the diagnosis and assessment of psychopathology using the DSM-IV. The focus will be on gaining competence in a multi-axis DSM-IV diagnostic system. Students will learn to make DSM-IV diagnoses, identify appropriate psychological assessment procedures, and develop comprehensive treatment plans. Students will be expected to participate in group presentations of psychological assessment procedures and treatment research. **Prerequisites:** PSYC 3350, classified graduate standing, and consent of instructor.

PSYC 5640 Conceptual Issues in Behavior Analysis (3 units).

(Formerly *Behaviorism as a Philosophy of Science; Advanced Seminar in Behavior Change*) Complex topics related to human learning and psychopathology will be the primary subject matter. Such areas as thinking, creativity, problem solving, phylogeny, and ontogeny of behavior will be examined from a behavioral perspective. This perspective will be compared to the personality theory framework which produced the current DSM III-R diagnostic system. The etiology, diagnosis, treatment, and prognosis of various psychological disorders will be studied using the DSM III-R as a guide and current behavioral theory as it applies. **Prerequisites:** PSYC 4720 and 4722; PSYC 4750 and 4790 recommended.

PSYC 5650 Child Clinical Interventions (3 units).

Covers clinical issues including therapy approaches and assessment for behavioral and emotional disorders; child physical, sexual, and emotional abuse; and mandated child abuse reporting laws. **Prerequisite:** PSYC 5130.

PSYC 5680 Sexuality Counseling (1 unit).

This graduate level course is intended as a general introduction to the theory and practice of assessment and sexuality counseling issues and problems. Issues in sexuality counseling will focus on interviewing, assessment, and treatment approaches. Marriage, family, and child scope of practice will be emphasized through this course. **Prerequisite:** Second year of master of science classified graduate standing or consent of instructor. (Summer)

PSYC 5690 Counseling Sexual Problems (4 units).

Reviews, in addition to the discipline of sex therapy, the more general practice of sexuality counseling, including sex education, values clarification, reassessment of attitudes, relationship issues, self image, sexual identity, and sex-role development. Sexuality issues, requiring professional counseling, include: divorce, adolescent sexuality, aging, disabilities, family planning, abortion, sexual assault victims, incest, alcohol and chemical dependency, gay and lesbian identities, chronic illness, and sexually transmitted diseases. These issues will be integrated into the course coverage of interviewing, assessment, and treatment approaches. **Prerequisites:** Second year of master of science classified graduate standing.

PSYC 5760 Chemical Abuse Counseling (1 unit).

Reviews diagnostic and assessment practices, goal setting, treatment planning, and counseling techniques. A systematic approach to treatment will be emphasized along with various theoretical approaches. The State of California requires that applicants for licensure such as M.F.T.'s or psychologists must complete a graduate level course devoted to substance dependence assessment and treatment. This course is designed to meet the specific requirements of that mandated education. **Prerequisite:** Classified graduate standing

PSYC 5770 Substance Abuse and Chemical Dependency Counseling (3 units).

Reviews diagnostic and assessment practices, goal setting, treatment, planning, and will include role-playing techniques. A systematic approach to treatment will be emphasized along with various theoretical approaches. **Prerequisite:** Classified graduate standing.

PSYC 5780 Advanced Counseling (3 units).

Counseling practices focused on a method of brief goal-oriented psychotherapy which includes: assessment, establishing mutual goals, treatment interventions, and termination issues. Practice in the techniques of counseling and client file record keeping. **Prerequisites:** PSYC 4770, and classified graduate standing. PSYC 5030, 5042, or PSYC 5090 and previous or concurrent enrollment in PSYC 5080 are preferred.

PSYC 5790 Family Counseling Theory and Practice (3 units).

Study of theory and techniques of conjoint family therapy with consideration of such topics as parent-child relationships, human sexuality, and combined families. **Prerequisites:** PSYC 3790, 4770, and graduate standing.

PSYC 5800 Marriage and Family Theory (2 units).

The family is examined as a social and psychological entity. Theoretical approaches to understanding family structure and interaction are reviewed. Special emphasis is placed upon developing an understanding of the diversity of family forms in contemporary American society and on exploring the relationship of these forms to social, cultural, and psychological factors. **Prerequisites:** Graduate standing and consent of instructor.

PSYC 5810 Seminar in Group Counseling and Psychotherapy (3 units).

Provides graduate students an overview of group counseling and psychotherapy processes, and application. **Prerequisites:** Classified graduate standing and consent of instructor.

PSYC 5830 Seminar in Close Relationships (3 units).

An examination of psychological aspects of close relationships through a review of empirical and theoretical literature. Topics to be considered include social exchange processes, interpersonal compatibility, attributions for relationships events, emotional processes, and the dynamics of social influence. The role of close relationships in the construction and maintenance of self-image will also be discussed. **Prerequisite:** PSYC 3310 or equivalent.

PSYC 5850 Seminar in Multicultural Family Counseling (3 units).

This course will study family lifestyles as represented by several major cultural traditions in the United States for the purpose of developing an understanding of and clinical skills in multicultural counseling. **Prerequisites:** PSYC 4770 and graduate standing.

PSYC 5910 Practicum in Counseling and Diagnostics (3 units).

Supervised client contact hours in individual, couples, family, or group counseling depending on agency providing practicum experience. Emphasis on formal assessment, diagnostic testing, client charting, treatment planning, and development of student's own theoretical orientation. Students will make regular case presentations, receive inservice training, and write assessment and treatment reports. **Prerequisites:** PSYC 5030, 5080, 5780, second year classified graduate standing and consent of instructor.

PSYC 5920 Psychology Research Apprentice (1 unit).

Students will apprentice themselves to a faculty member of the Psychology department who is currently conducting research in a particular area of Psychology. This course may be repeated for credit. **Prerequisites:** Admission to the graduate program in Psychology and completion of at least 9 units of graduate level courses.

PSYC 5925 Psychology Teaching Apprentice (1 unit).

Students will apprentice themselves to a faculty member of the Psychology department who is currently teaching courses in Psychology. This course may be repeated for credit. **Prerequisites:** Admission to the graduate program in Psychology and completion of at least 9 units of graduate level courses.

PSYC 5930 Practicum in Behavior Analysis (3 units).

The course consists of supervised experience in the assessment and modification of behavior with various types of clients. Activities will include assessment interviews and observations, analysis of controlling variables within the immediate environment of the client, assessment of resources for change, and the implementation and evaluation of behavior change procedures. Students will give oral presentations and evaluation to the faculty supervisor and fellow practicum students on a regular basis during case conferences. The typical client will be from a family counseling agency or will be a developmentally delayed child or young adult living in the family residence or group home or be a patient in a psychiatric facility. **Prerequisites:** PSYC 4720 or 4790; PSYC 5780 and consent of instructor.

PSYC 5940 Field Work (1-4 units).

Work of a psychological nature performed in schools, agencies, and institutions under joint supervision of the University and agency where assigned. May be repeated for a total of 6 units. **Prerequisites:** Graduate standing and consent of instructor.

PSYC 5950 Selected Topics in Psychology (1-5 units).

Development of a specific area in psychology. Topics will vary depending on instructor. Different topics may be taken for a total of six units. **Prerequisite:** Graduate standing.

PSYC 5980 Individual Study (1-4 units).

For qualified postbaccalaureate students in need of advanced and specialized study. Different topics may be taken for a total of 6 units. Exception to the 6 unit limit may be granted by the Graduate Committee. **Prerequisite:** Consent of instructor.

PSYC 5990 Master's Thesis (1-3 units).

Preparation of a thesis in area of specialty for partial fulfillment of requirements. **Prerequisites:** Admission to classified graduate standing and consent of instructor.

PSYC 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Social Sciences

College of Arts, Letters, and Sciences

Office: Bizzini Hall 207A
(209) 667-3008

Coordinator: James Payne

CAREER OPPORTUNITIES

Students should discuss career opportunities with their advisor in their areas of concentration in the Social Science major.

The Bachelor of Arts, Social Sciences 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.

Bachelor of Arts, Social Sciences

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the Interdepartmental Studies major, as approved by the advisor. Of these, no more than 8 units of CR-graded course work in courses graded exclusively CR/NC may apply.
3. Completion of a minor is not required.

Note: Immediately upon entering the interdisciplinary studies major 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 3000 Library Resources for the Social Sciences, 2 units
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 (WP), 3 units
PSCI 2000 Introduction to Political Science, 3 units
PSYC 2020 Introduction to Psychological Methods, 3 units
SOCL 3030 Research Methods (WP), 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.

Anthropology

- a. Prerequisite: ANTH 2060 Introduction to Cultural Anthropology, 3 units
- b. Select any upper-division courses, with the advisor's consent. Note additional prerequisites to certain courses. Options available are:
 - General Anthropology
 - Ethnography
 - Ethnology
 - Prehistoric Archaeology
 - Physical Anthropology
 - Linguistics
 - 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 nine to twelve units from the following areas:
 - Processes and Contexts
 - Applications and Communication Competence

Criminal Justice

- a. Prerequisites: Complete the following:
CJ 2250 Introduction to Criminal Justice, 3 units
CJ 2280 Criminal Law, 3 units
- b. Select any nine to twelve units from the following with adviser's consent:
Criminal Justice Systems:
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 3420 Community and Problem Oriented Policing, 3 units
CJ 4925 Historical and Contemporary Criminal Justice, 3 units

Criminal Justice Theory:

- SOCL 3120 Criminology, 3 units
 - SOCL 3130 Juvenile Delinquency, 3 units
 - CJ 4250 Psychology of Criminal Behavior, 4 units
- Specific Topics in Criminal Justice:**
- CJ 3235 Domestic Violence and Intimate Abuse, 3 units
 - CJ 3315 Hate Crimes, 3 units
 - CJ 4141 Criminal Procedures I, 3 units
 - CJ 4915 Sex Crimes and Gender Issues in Criminal Justice, 3 units
 - CJ 4925 Historical and Contemporary Criminal Justice, 3 units
 - CJ 4960 Race, Ethnicity, and the Criminal Justice System, 3 units

Economics

- a. Prerequisite: Complete the following:
 - ECON 2500 Principles of Macroeconomics, 3 units
 - ECON 2510 Principles of Microeconomics, 3 units
- b. Upper-division courses: select nine to twelve units from each of three or four of the following fields:
 - Banking, Investment, and Economics
 - International Trade and Alternative Economic Systems
 - Public Sector Economics
 - Labor Economics
 - Economic History

Ethnic Studies

- a. Prerequisite: Complete an introductory 2000-level ethnic studies course, 3 units
- b. Select any nine to twelve 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, 3 units
 - GEOG 2410 World Regional Geography II, 3 units
- b. Select nine to twelve 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 (WP), 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 nine to twelve units. Courses shall be selected so that students will have at least one upper-division course in each of the following fields:
 - European History
 - United States History
 - Non-Western History

Political Science

- a. Prerequisite:
 - PSCI 1201 American Government, 3 units
- b. Complete nine to twelve units as follows:
 - i. American Politics: 2 courses

- ii. Additional one or two courses to be selected from the following:
 - Political Theory and Methodology
 - Comparative Politics
 - International Relations

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 nine to twelve units from each of three **or** four of the following areas:
 - Fundamentals of Psychology
 - Biological Bases of Psychology
 - Principles of Human Behavior
 - Foundations of Applied Psychology

Sociology

- a. Prerequisites:
 - i. SOCL 1010 Introduction to Sociology, 3 units, **and**
 - ii. SOCL 3030 Research Methods (WP), 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 nine to twelve units from the following, with adviser's consent:

Human Services

- SOCL 4790 Social Welfare Services, 3 units
- SOCL 4800 Formal Organizations in Modern Society, 3 units

One of the following:

- SOCL 3150 The Family, 3 units
- SOCL 3160 Sociology of Youth, 3 units
- SOCL 3170 Sociology of Sex Roles, 3 units

One of the following:

- SOCL 4170 Victimology, 3 units
- SOCL 4190 Treatment of the Offender, 3 units
- SOCL 4700 Medical Sociology, 3 units
- SOCL 4710 Sociology of Aging, 3 units
- SOCL 4720 Sociology of Death, 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

General Sociology

- SOCL 3310 Social Stratification, 3 units
- SOCL 3240 Social Deviance, 3 units, **or**
- SOCL 4010 Race and Ethnic Relations, 3 units
- One or two upper-division courses as electives

International Studies Concentration

Director: Steve Hughes

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 course work 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 Program Director. The Director should also be consulted regarding career opportunities.

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following two courses (5 units):
SSCI 3000 Library Resources for the Social Sciences, 2 units
SSCI 4960 Social Sciences Interdisciplinary Seminar, 3 units
3. Complete one lower-division course from each of the sections below (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 course work in courses graded exclusively CR/NC may apply.
5. Completion of a minor is not required.

The Concentration (30 units)

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 course work not already specified in Section A above. Students will 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 Cultures of the Pacific, 3 units
- ANTH 3106 Peoples and Cultures of Asia, 3 units
- ANTH 3301 Native Americans of Canada and the United States, 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 Changes, 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

Note: On entering the International Studies concentration, students should work with the Director to develop a tentative program for the remainder of their undergraduate course work. Students should work out 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.

Urban and Community Studies Concentration

Director: Michael Schmandt

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 director for additional information.

Requirements

1. Complete University 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 (WP), 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 Changes, 3 units

3. Urban Administration and Politics, 6–7 units
 - PSCI 3300 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 for the Social Sciences, 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 America, 3 units
 - HIST 4680 The American Mind, 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.

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 a 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 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 of taking the exam known as the Single Subject CSET exam (California Subject Examinations for Teachers). Students who pass this exam do not need to complete this or any other credential preparation program in order to be accepted into a single subject credential program for social science. There is a fee for this exam and they are given on specific dates. For more information about the exam contact the CSU Stanislaus Credential Processing Center in DBH 303, phone (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

Total Units in the Program: (69-73)

The Core Curriculum

Economics

Complete both of the following or their equivalent:

*ECON 2500 Principles of Macroeconomics, 3 units

*ECON 2510 Principles of Microeconomics, 3 units

***Equivalent courses at many community colleges may satisfy these requirements**

Complete one of the following:

ECON 3100 Economic History of the United States, 3 units (UDGE)

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 equivalent:

*GEOG 2400 World Regional Geography I, 3 units

*GEOG 2410 World Regional Geography II, 3 units

*GEOG 3010 Cultural Geography, 3 units

***Equivalent courses at many community colleges may satisfy these requirements**

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 equivalent:

*HIST 1010 World Civilizations I, 3 units

*HIST 1020 World Civilizations II, 3 units

*** Equivalent courses at many community colleges may satisfy these requirements**

b. American History

Complete all of the following or their equivalent:

*HIST 3610 Colonial North America, 3 units

*HIST 3620 Early National United States, 3 units

*HIST 3630 U.S. Reconstruction Through WWII, 3 units

*HIST 3640 Contemporary United States, 3 units

*** Equivalent courses at many community colleges may satisfy these requirements.**

Political Science

United States Government and Politics

a. Complete the following or their equivalent:

*PSCI 1201 American Government, 3 units

*** Equivalent courses at many community colleges may satisfy these requirements.**

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 equivalent:

*PSCI 3330 California Politics, 3 units

*GEOG 3340 California Cultures and Environments, 3 units

*HIST 4670 California History, 3 units

*** Equivalent courses at many community colleges may satisfy these requirements.**

Behavioral Studies**

Complete one of the following or their 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)

****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 Comparative Religion, 4 units

PHIL 3400 Ethics (WP), 3 units

American Ethnic and Gender Studies

Complete one of the following:

ANTH 3000 Anthropology and Modern Social 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)

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 Since 1865, 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 Modern Times, 3 units

HIST 3860 Africa Before 1885, 3 units

HIST 3880 Contemporary Africa, 1945 to Present, 3 units

* Available only to students in departmental internship program.

HIST 4041 Colonialism and the Modern State in Africa and Asia, 3 units
PSCI 3410 Comparative Politics: Latin America, 4 units
PSCI 3430 Middle East Politics, 3 units
PSCI 3600 International Relations, 4 units
PSCI 4640 Foreign Policy Issues, 3 units

Course Descriptions

SSCI 3000 Library Resources (2 units).

Survey of library resources necessary for social science research. Covers online and print indices, journal articles, statistical information, government documents, and newspaper; strategies for improving search results, and bibliographical citation techniques. Emphasis placed on electronic resources. (Fall, Spring)

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.

Master of Social Work

College of Arts, Letters, and Sciences

Office: Demergasso-Bava Hall 122
(209) 667-3091

Chair: Margaret Tynan

Faculty: Mayling M. Chu, Charles Floyd, John A. Garcia, Valerie Leyva, Pamela Marques, Robin Ringstad,
Shradha Tibrewal, Margaret A. Tynan

CAREER OPPORTUNITIES

Geriatric, medical, mental health, occupational/industrial, and school social work; corrections counselor, social planner, social service administrator, community organizer, child and family social worker, child/adult protection worker, adoptions worker, group worker, case manager

A Master of Social Work (MSW) prepares professional social workers to meet the growing human service needs of the university's service area. The curriculum emphasizes social work practice in the public social services, health, mental health, corrections, and schools. Graduates are prepared to practice, with sensitivity and competence, with economically and culturally diverse populations. Students are prepared for advanced social work practice skills sufficient for self-critical, accountable, and ultimately autonomous practice.

This program is a sixty (60) unit, four-semester curriculum with two concentrations. A three-year, six-semester curriculum is also offered. The first courses provide the professional foundation. In the third semester of study, students must choose a concentration: 1) social work with children, or 2) social work with adults. Four semesters of supervised field practicum in a social work agency is part of the core curriculum. No academic credit is given for life experience or previous work experience.

The field of Social Work is very broad, incorporating many approaches to addressing psycho-social ills in many health, mental health, and social welfare agency settings. The MSW is thus one of the most versatile master's degrees among the human service professions.

MSWs provide counseling services to individuals, groups, couples, and families, or work as supervisors or administrators of human service programs and agencies. Social workers also work as program developers, community organizers, planners, evaluators, or policy makers.

The MSW degree satisfies the academic preparation requirements for the state regulated social work license (LCSW).

Specific questions regarding the MSW Program or curriculum should be directed to the department chair or staff. The program is accredited by the Council on Social Work Education.

Mission

It is the mission of the social work program of California State University, Stanislaus to prepare social workers in integrative social work practice who are informed by research and encompass concepts of empowerment, collaboration, ethics, and social justice. This professional social work education is designed to meet the social service needs of the region, prepare students for practice in a multicultural environment, and be accessible to diverse populations.

Goals

To achieve its mission, the Social Work Program strives to:

1. Prepare professional social workers who are able to practice in a multicultural environment with diverse populations.
2. Prepare professional social workers who are able to effectively advocate for social justice, guided by ethics, empowerment, and collaboration.
3. Prepare social workers to use integrative practice skills for multi-system interventions that are informed by research.
4. Prepare professional social workers to meet the service needs in both rural and urban social service systems in the region.
5. Provide social work education that is accessible to the diverse populations in the region.

Electives

Social Work students may select from the following electives to complete their 60 required units. Electives must relate to the student's concentration.

- SW 5012 Social Work Treatment and Case Management of the Mentally Disabled, 3 units
- SW 5013 Social Work Practice with Death, Grief, and Loss, 3 units
- SW 5042 Social Work Practice with Juvenile Offenders, 2 units
- SW 5043 Advanced Assessment and Intervention in Child Abuse and Neglect, 3 units
- SW 5044 Social Work Practice in School Settings, 2 units
- SW 5052 Social Work with Family Systems, 2-3 units
- SW 5053 Ethics for Social Work Practice with Adults, 2 units
- SW 5054 Feminist Social Work Practice with Women, 3 units
- SW 5055 Social Work Practice: Substance Abuse, 2 units
- SW 5056 Cultural Competency for Supervision and Training, 1 unit.
- SW 5057 International Social Work, 3 units
- SW 5058 Gerontological Social Work, 2 units
- SW 5059 Social Work Practice with Groups and Families, 3 units
- SW 5060 Child Welfare Information Systems, 1 unit

Course Descriptions

SW 5005 Human Behavior and Social Environment I (3 units).

Individual growth and development from infancy through old age incorporating developmental psychological theory and ecological perspectives of the family and individual life cycles within a cultural context. **Prerequisite:** Admission to the MSW Program.

SW 5010 Human Behavior and Social Environment II (3 units).

Theories and knowledge of bio-psycho-social behavior of the human group in the ecosystems of groups, organizations, communities, and societies. This is the second course in the sequence. **Prerequisites:** Admission to the MSW Program and completion of SW 5005.

SW 5011 Psycho-Social Assessment (3 units).

Helps students become knowledgeable of psycho-social assessment methods and symptoms of mental disorders for the purpose of assessing client functioning and planning appropriate social work interventions. The focus is on understanding how to use current classification systems of mental disorders as a social work practitioner. **Prerequisite:** Admission to the MSW Program.

SW 5012 Social Work Practice in Public Mental Health Settings (3 units).

(Formerly *Social Work Treatment and Case Management of the Mentally Disabled*) Advanced course in Social Work practice integrates theory of behavior and treatment of specific mental disorders as translated into plans for treatment, rehabilitation, or case management. **Prerequisites:** Admission to the MSW Program and completion of SW 5011.

SW 5013 Social Work Practice with Death, Grief, and Loss (3 units).

Advanced seminar in social work practice with adult clients. Focus on cultural and psychosocial responses to death, grief, and loss and the effect of these social factors on the client and social worker in the helping process. **Prerequisite:** SW 5030 or consent of instructor.

SW 5020 Social Work Research Methodology (3 units).

Introduces students to the social work research process within the context of social work practice. **Prerequisites:** Graduate standing and admission to the MSW Program.

SW 5030 Foundations of Social Work Practice, Policy, and Services I (4 units).

First course in social work practice, policy, and services sequence to prepare students to understand the philosophy, values, and ethics of the profession and apply the problem-solving method to work with individuals, families, and small groups. **Prerequisites:** Graduate standing and admission to the MSW Program.

SW 5031 Foundations of Social Work Practice, Policy, and Services II (4 units).

Second foundation course in social work practice, policy, and services sequence to prepare students to understand and apply a problem-solving approach to social work practice with organizations, communities, and policy-making bodies. **Prerequisites:** Graduate standing and admission to the MSW Program.

SW 5035 Advanced Social Work Practice, Policy, and Services for Children I (4 units).

Advanced course in social work practice, policy, and services including ethics, values, and methods of practice. Focus on practice methodology with individuals, families, and small groups. Designed to prepare for practice in child welfare, schools, juvenile justice, and with children in health and mental health settings. **Prerequisites:** Admission to the MSW Program and completion of SW 5030 and 5031.

SW 5036 Practice and Policy with Adults I (4 units).

(Formerly *Social Work Practice and Policy with Adults I*) Advanced course in social work practice, and policy including ethics, values, and methods of practice. Focus on practice methodology with individuals, families, and small groups. Designed to prepare for practice with adult populations in health, mental health, aging, and corrections settings. **Prerequisites:** Admission to the MSW Program and SW 5030 and 5031.

SW 5037 Social Work, Law, and the Courts (3 units).

Advanced course in social work practice to prepare social workers for work that interfaces with the legal system including family and children's court, guardianship, and corrections. **Prerequisite:** Admission to the MSW Program.

SW 5038 Social Work Practice and Policy II (4 units).

Advanced course in social work practice, policy, and services including ethics, values, and methods of practice. Focus on practice methodology in agency administration, community planning, and program development. Designed to prepare for practice in child welfare, schools, juvenile justice, and with children in health and mental settings. **Prerequisites:** Admission to the MSW Program and SW 5035.

SW 5039 Social Work Practice, Policy, and Services, Adults II (4 units).

Advanced course in social work practice, policy, and services, including ethics, values, and methods of practice. Focus on practice methodology in agency administration, supervision, community planning, and program development. Designed to prepare for practice in mental health, health, aging, and corrections settings. **Prerequisites:** Admission to the MSW Program and SW 5036.

SW 5040 Field Instruction I (3 units).

Supervised field instruction with individual groups, families, formal organizations, and communities. Practical application of social work practice theories. Must be repeated for a total of 6 units. **Prerequisite:** Admission to the MSW Program.

SW 5041 Field Instruction II (3 units).

Advanced field instructed practice experience with individual groups, families, formal organizations, and communities. Practical application for social work practice theories. Must be repeated for a total of 6 units. **Prerequisites:** Admission to the MSW Program and SW 5040.

SW 5042 Social Work Practice with Juvenile Offenders (2 units).

A graduate seminar to study juvenile delinquency within the context of social work practice, policy, and services. Utilizing ecological and systems theories, juvenile delinquency is studied across race, culture, ethnicity, gender, and social class. **Prerequisites:** SW 5030 and 5031 or consent of instructor.

SW 5043 Advanced Assessment and Intervention in Child Abuse and Neglect (3 units).

Prepares students to provide assessment and intervention in cases of child abuse and neglect with emphasis on work with drug abusing families. Includes content required for Social Work licensure. **Prerequisites:** SW 5030 and 5031 or consent of instructor.

SW 5044 Social Work Practice in School Settings (2 units).

Designed to examine the policies, theories, and principles particular to practice of social work in school settings. Study centers on school social work as part of an interdisciplinary approach for resolving school-related problems. **Prerequisite:** Completion of SW 5030 or consent of instructor.

SW 5050 Research Data Analysis (3 units).

A study of single subject design and descriptive and inferential statistics with a focus on those methods most frequently used in social work research and practice. **Prerequisite:** Admission to the MSW Program and completion of SW 5020.

SW 5053 Ethics for Social Work Practice with Adults (2 units).

Advanced seminar in social work practice with adult clients. The focus is on ethical decisions and dilemmas associated with practice in health settings. **Prerequisite:** Completion of SW 5030 or consent of instructor.

SW 5054 Feminist Social Work Practice with Women (3 units).

(Formerly *Social Work Practice with Women*) Graduate seminar in which participants learn how to use Feminist Social Work Theory in their practice with women. **Prerequisite:** Completion of SW 5030 or consent of instructor.

SW 5055 Social Work Practice: Substance Abuse (2 units).

Provides students with social work practice skills in the area of substance abuse. Recognition of use, abuse, and dependency; assessment and intervention strategies; and substance abuse in families and children will be covered. Board of Behavioral Science substance abuse course requirements for licensure will be met. **Prerequisite:** SW 5030 or consent of instructor.

SW 5056 Cultural Competency for Supervision and Training (1 unit).

In this advanced graduate course, participants learn how to use the concepts of cross-cultural social work practice and culture-centered counseling in two areas of personal and professional development: supervision and training. Emphasis is placed on applied knowledge. Culture is broadly defined to include ethnicity, social class, age, gender, and orientation. **Prerequisites:** SW 5030 and SW 5031 or completion of the core modules of the Certificate Program in Becoming Culturally Competent.

SW 5057 International Social Work (3 units).

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

SW 5058 Gerontological Social Work (2 units)

Advanced seminar in social work practice with older adult clients. Focus is on the bio-psycho-social and cultural aspects of the aging process and how these variables contribute to the health, well being, and morbidity process in older adults and discusses the implications for social work practice and intervention with this client population. **Prerequisites:** Completion of SW 5005, SW 5011, and SW 5030 or consent of the department chair and/or instructor.

SW 5059 Social Work Practice with Groups and Families (3 units)

Advanced practice course focuses on the theory and practice of social work with small groups and families. Course includes content on intervention in family systems and groups that are developed for the purpose of helping group members grow, change, or cope with their life situations. Prerequisites include SW 5011, SW 5030, and SW 5031, or approval of the instructor.

SW 5060 Child Welfare Information Systems (1 unit)

This course provides students with the advanced application of the new linked database in California's child welfare system, the Child Welfare Services/Case Management System is (commonly known as CWS/CMS). Includes experience with the navigation and use of the system for management, program evaluation, and services research. Students will explore or examine the policy and management implications that this system's change will present. **Prerequisites:** A basic understanding of Microsoft Windows operating system and Microsoft Word for Windows.

SW 5950 Selected Topics in Social Work (Topics to be specified in the class schedule) (1-5 units).

Development of a selected topic in social work. Topics vary each term, thus different topics may be taken for credit. **Prerequisites:** Classified graduate standing and consent of instructor.

SW 5960 Graduate Project (1-2 units).

A graduate project or master's thesis is a requirement for the Master's degree in Social Work and represents the capstone of the master's program. Under the direction of a project adviser and a faculty committee, the student carries out a substantive endeavor that represents originality and independent thinking and which contributes to the advancement of knowledge or practice in social work. May be repeated for a total of 2 units. **Prerequisites:** SW 5020 and 5050 and eligible to advance to candidacy.

SW 5980 Individual Study (1-4 units).

For students enrolled in the MSW Program capable of doing independent work to pursue advanced specialized study related to their career/study plan. **Prerequisite:** Consent of instructor.

SW 5990 Research Thesis (1-2 units).

A master's thesis or graduate project is a requirement for the Master's degree in Social Work and represents the capstone of the master's program. Under the direction of a thesis/research adviser and a faculty committee, the student carries out a substantive research endeavor which contributes to the advancement of knowledge or practice in social welfare. May be repeated for a total of 2 units. **Prerequisites:** Completion of SW 5020 and 5050 and eligible to advance to candidacy.

SW 5991 Capstone Project Course (2 units).

Two semester course designed as a continuation of the research sequence and culminates with the completion of the Master's Thesis or Project. **Prerequisites:** Completion of SW 5020 and SW 5050 and consent of the instructor. Students must concurrently enroll in SW 5990 or SW 5960.

SW 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Sociology

College of Arts, Letters, and Sciences

Office: Bizzini Hall 213
(209) 667-3408

Chair: Paul W. O'Brien

Faculty: Donald W. Bowers, Walter E. Doraz, Rhoda E. Macdonald, George D. Muedeking, Paul W. O'Brien, James Payne, Agnes Riedmann, Stephen J. Schoenthaler, Tamara Sniezek, Cathy Wong

CAREER OPPORTUNITIES

Human service agencies, research, graduate school, private agencies, government agencies, school systems, corporations, churches, newspapers, social service agencies, hospitals, correction-probation, law enforcement, California Youth Authority, re-entry programs, industry and business, rehabilitation, political parties, YWCA/YMCA

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 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.

The Sociology Program in the Department of Sociology offers the Bachelor of Arts degree in Sociology, with optional course concentrations in the General Major; Human Services; Drug and Alcohol Studies; Social Deviance and Criminology; Social Inequality; and The Body, Culture, and Society.

In addition, Liberal Studies and Social Sciences majors may select a Sociology concentration as a core area of study. The department also participates in and administers the Interdisciplinary minor in Gerontology.

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 business; criminal justice agencies, child welfare organizations; local welfare and mental health departments, the criminal courts, and social service agencies.

Bachelor of Arts, Sociology

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 the subject area offerings in the Sociology curriculum. These areas include, for example, 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.

Bachelor of Arts, Sociology

Requirements

1. Complete University 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 37 upper-division units in sociology, of which no more than 8 units of CR-graded course work in courses graded exclusively CR/NC may apply toward the major. Maintain an average grade point average of 2.0 or grade of C- or better in the selected major.
4. Completion of a minor is not required.

The Major in Sociology

(37 units minimum)

1. **Complete the following courses (16 units):**
 SOCL 3000 Classical Theory, 4 units
 SOCL 3030 Research Methods (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 (22 units)**
 - i. SOCL 4960 Senior Seminar, 4 units
 - ii. Select 18 units of upper-division sociology electives
 - b. **Human Services (21 units)**
 - i. SOCL 4790 Social Welfare Services, 3 units
 SOCL 4800 Formal Organization, 3 units
 SOCL 4940 Internship, 6 units
 - ii. Select three 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 (21 units)**
 - i. SOCL 4730 Alcohol and Alcoholism, 3 units
 SOCL 4750 Sociology of Drug Use, 3 units
 SOCL 4700 Medical Sociology, 3 units
 SOCL 4740 Sociology of Mental Health, 3 units
 SOCL 4940 Internship, 3 units
 - ii. Select two courses from the following:
 SOCL 3130 Juvenile Delinquency, 3 units
 SOCL 3240 Social Deviance, 3 units
 SOCL 3630 Tenderloin Lifestyles, 3 units
 - d. **Social Deviance and Criminology (19-21 units)**
 - i. SOCL 3120 Criminology, 3 units
 - ii. SOCL 4960 Senior Seminar, 4 units
 - iii. Select four courses from the following:
 SOCL 3130 Juvenile Delinquency, 3 units
 SOCL 3240 Social Deviance, 3 units
 SOCL 3310 Social Inequalities, 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 (22 units)**
 - i. SOCL 3310 Social Inequalities, 3 units
 - ii. SOCL 3600 Gender and Power, 3 units
 - iii. SOCL 4010 Race and Ethnic Relations, 3 units
 - iv. SOCL 4940 Internship, 3 units
 - v. SOCL 4960 Senior Seminar, 4 units
 - vi. Select two courses 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, 3 units
 - f. **The Body, Culture, and Society (20-21 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 3040 Qualitative Methods (WP), 4 units
 - v. SOCL 4960 Senior Seminar, 4 units

- vi. 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

The 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 advisor.

Liberal Studies Concentration in Sociology

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Sociology.

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 "College of Education, Teacher Education" section of the catalog for a description of other requirements to be completed for the single subject credential.

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 (WP) (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. Satisfies upper-division writing proficiency requirement. **Corequisite:** SOCL 3033. **Prerequisites:** Completion of the Writing Proficiency Screening Test with a passing score; SOCL 1010 or equivalent. (Lecture, 3 hours; activity, 2 hours) (Fall)

SOCL 3040 Qualitative Methods (WP) (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. Satisfies upper-division writing proficiency requirement. **Prerequisites:** Completion of the Writing Proficiency Screening Test with a passing score; 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 inter-personal 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 (3 units).

(Formerly *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.

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, status, 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 (WP) (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. Satisfies upper-division writing proficiency requirement. **Prerequisites:** Completion of the Writing Proficiency Screening Test with a passing score; 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.

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 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)

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. **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

(Topics to be specified in Class Schedule) (1–5 units).

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)

Postbaccalaureate**SOCL 5000 Seminar in Criminology (3 units).**

Advanced study of crime causation and criminal classification; specialized group and individual treatment approaches. **Prerequisite:** Graduate standing. (Fall, Spring)

SOCL 5940 Field Work (1–4 units).

Students will be placed in an agency or organization to perform work of a sociological nature. Designed to give graduate students a meaningful experience in an actual work situation. Interns will work under joint supervision of the University and agency. A journal or project, readings, and attendance at weekly meetings are required. May be repeated up to 6 units (exceptions granted by request to the Dean of Graduate Studies). **Prerequisites:** Graduate standing and consent of instructor. (Fall, Winter, Spring)

SOCL 5950 Selected Topics in Sociology

(Topics to be specified in Class Schedule) (1–5 units).

Development of a selected topic in sociology. Topics vary each term, thus different topics may be taken for credit. **Prerequisites:** Graduate standing and consent of instructor. (Fall, Winter, Spring)

SOCL 5960 Graduate Project (3–6 units).

Alternative to a thesis. In some cases a graduate project may be more relevant to the student's field than the graduate thesis. **Prerequisites:** Departmental approval and consent of graduate adviser. (Fall, Winter, Spring)

SOCL 5980 Individual Study (1–4 units).

For students capable of independent study in Sociology. Topics and supervising instructors may vary. May be repeated for a total of six units. Available for postbaccalaureate credit only. **Prerequisite:** B.A. in sociology or other social science. (Fall, Winter, Spring)

SOCL 5990 Thesis (3–6 units).

Thesis research. **Prerequisites:** Graduate standing and consent of instructor. (Fall, Winter, Spring)

Teacher Education

College of Education

Office: Demergasso-Bava Hall 330
(209) 667-3357

Chair: Pamela M. Russ

Website: www.csustan.edu/TeacherEd/

Faculty:

Melissa M. Aronson	Tim Mahoney
Brenda Betts	Susan Neufeld
Chris Boosalis	Christopher Roe
Marylee Bradley	Pamela M. Russ
Elmano Costa	Mary Salisbury
Diana Demetruvias*	Dennis Sayers
Whitney Donnelley	Armin R. Schulz
Juan M. Flores	Kweku Smith
Sara Garfield	Nancy Jean Smith
Iris Haapanen	Chris Vang
Helena Janes	Noelle Won
	Joan E. Wink

Emeritus Faculty:

James Cole*
Jane E. Diekman*
Charles Farrar*
Kathleen A. Galbo
Jack A. Graves*
Leodoro Hernandez*
Doni K. Kobus
Haig Rushdoony*
Priscilla R. Smith*
William Webster*
Irma Guzman Wagner
Roy Y. Yasui*

**Faculty with joint appointments in the Department of Advanced Studies in Education.*

CAREER OPPORTUNITIES

Careers that students can enter on completion of a credential program include teaching at the elementary and secondary levels, in public, private, and religious schools; public and private school administration; teaching in privately funded employee education programs; and teaching in state and federally funded grants for adult education.

The Department of Teacher Education offers professional programs to prepare candidates for credentials in elementary and secondary school teaching, bilingual emphasis teaching, and reading. Students interested in a credential program may obtain information from the Department Office. These professional programs are designed to help students achieve basic competencies essential for effective performance within their teaching specialty. The department also offers an advanced professional program to prepare candidates for the Reading/Language Arts Specialist Credential. All credential programs are approved by the California Commission on Teacher Credentialing and teacher preparation programs are approved by the National Council for Accreditation of Teacher Education. The California State Board of Education and the Commission are empowered to change credential requirements without prior notice. The University will make changes in programs leading to credentials whenever revisions are reported in the California Code of Regulations, Title 5, or in other official notifications from the State Board or the Commission.

Also available to qualified students are graduate programs leading to a Master of Arts in Education: Curriculum and Instruction, with a concentration in Elementary Education, Multilingual Education, Reading, or Secondary Education. Students interested in these programs may obtain information from the Department Office or the Graduate School located in the MSR Building 160.

Teaching Credential Programs

California State University, Stanislaus is authorized to prepare students for two basic teaching credentials. Under the Credentialing Law of 1970 (the Ryan Act), these are the Multiple Subject Credential (for elementary schools) and the Single Subject Credential (for secondary schools).

Multiple Subject Credential Programs (MSCP)

Credentials program courses are offered in Turlock, Stockton, and Merced.

Multiple Subject Credential Program Coordinator:	Elmano Costa, Ed. D.
Spanish BCLAD Adviser:	Juan Flores, Ed. D.
Southeast-Asian BCLAD Adviser:	Chris Vang, Ed. D.
Field Placement (Student Teaching) Coordinator:	Jonnie Shawkey, Ed. D.
Teaching Internship Coordinator:	Elmano Costa, Ed. D.
Chair of Selection and Review Committee:	Chris Vang, Ed. D.

Note: There are no "catalog rights" in credential programs. Requirements, subject to changes, are set by the California Commission on Teacher Credentialing, the California State University, and by CSU Stanislaus. Students must meet the current state requirements for the credential. For current state requirements, consult the Handbook for the Multiple Subject Credential Program which is available at:

- www.csustan.edu/TeacherEd/pages/MultSubjCredProg/
- Department of Teacher Education Office in DBH 330
- CSU Stanislaus-Stockton office

Description of the Multiple Subject Credential

Beginning in January 2004, California State University, Stanislaus began offering a Senate Bill 2042 Credential. This credential authorizes the holder to teach:

- all subjects in self-contained classes from kindergarten through high school
- "core" classes in middle/junior high school and high school

In practice, most holders of the Multiple Subject Credential teach in grades K-6, with a substantial number teaching "core" classes in grades 7-8. Only a few teach in high schools.

Emphasis in the Multiple Subject Credential Program

CSU Stanislaus offers the following emphases (specializations) in the Multiple Subject Credential:

- **BCLAD (Bilingual, Crosscultural, Language, and Academic Development).** Prepares holders to teach in bilingual as well as English-only classrooms. BCLAD emphasis is available in the following languages: Spanish, Hmong, Lao, and Cambodian (Khmer). Candidates for the BCLAD must be able to **speak, read, and write the language** as demonstrated in a test offered by the Department of Teacher Education.
- **Certificate in Primary Language Support.** This certificate has no legal bearing, but can be used in an application to demonstrate preparation to support students who are English learners by providing instructional support in the primary language. Candidates for this certificate must demonstrate ability to speak the languages Spanish, Hmong, Lao, Vietnamese, Cambodian (Khmer), Portuguese, Punjabi or Assyrian, but **do not have to be able to read and write the language.**

Internship Program for Students in the Multiple Subject Credential Programs

The internship program permits students in the Multiple Subject Credential Program to obtain employment as a teacher in collaborating school districts while completing the requirements for the Preliminary Credential. Interns must still complete all the courses and tests in the Credential Program. The only difference is that interns do not have to complete student teaching practicum; they get credit for student teaching practicum from their paid intern teaching position. In order to qualify for the internship, students must meet all of these requirements:

- be admitted to the university post baccalaureate (unclassified graduate) program;
- be admitted to the Multiple Subject Credential Program;
- complete a form of interest in being an intern (completed at orientation meeting);
- be recommended for an internship by the interview committee;
- earned a B.A./B.S. degree from an accredited university;
- passed the California Basic Educational Skills Test CBEST exam;
- completed an approved subject matter preparation program or passed the California Subject Examination for Teachers (CSET) examination;
- passed college coursework or an examination on the U.S. Constitution;
- be hired by a school district that is a partner with CSU Stanislaus in the intern program;
- completed 45 hours of Early Field Experience (observations, volunteering, or paid experience in schools);
- have Tuberculosis (TB) clearance;
- have background (fingerprint) clearance (Certificate of Clearance);
- completed either one of the following:
 - a. Four methodology courses (primary reading, mathematics, science and health, history/social studies and visual and performing arts), **or**
 - b. Three CSU Stanislaus courses (or equivalent courses from another institution):
PSYC/CDEV 3140 Human Development I: Childhood
EDUC 4500 Instruction, Assessment, and
Management for Beginning Teachers and Interns
EDMS 4100 Foundations of Education in a Diverse Society

Consult the [Intern Handbook](#) available on-line at www.csustan.edu/TeacherEd/pages/MultSubjCredProg for specific procedures and requirements.

Undergraduate Preparation for the Bilingual Multiple Subject Credential Program

Students planning on obtaining a credential with a BCLAD emphasis are encouraged to enroll in the bilingual/crosscultural concentration in the Liberal Studies Program. Students with other majors are also accepted into the BCLAD credential program, provided they can speak, read, and write the language of emphasis.

Blended Liberal Studies/Credential Program

Students enrolled in the Liberal Studies Program may choose to participate in a program that combines the course requirements for the Bachelor's Degree in Liberal Studies with requirements for the Multiple Subject Credential Program so that students can complete their degree and credential together and in a shorter amount of time. Contact the Liberal Studies office for updated information on this program.

Multiple Subject Credential Program Application Procedures

Application forms are included in the back of the Handbook for the Multiple Subject Credential Program that is available:

- on-line at www.csustan.edu/TeacherEd/pages/MultSubjCredProg/
- on the Turlock campus in the Department of Teacher Education in DBH 330
- at the office at the Stockton campus.

Applications are submitted about six months prior to the semester in which the student plans to enroll. For fall semester, the program begins accepting applications the last Monday in February and for spring semester the first Monday in September. Exact dates are noted on the cover of the Handbook or you may contact the Department of Teacher Education for information on timelines.

Application procedures are as follows:

- Submit completed application packet (see the Application Form for exact contents)
- Attend an orientation session to the program
- Be interviewed by a committee composed of University professors and representatives of school districts

Program Requirements

It is the Mission of the Teacher Preparation Program to prepare candidates who are:

- competent in their chosen areas;
- able to integrate subject-matter content with pedagogy appropriate to their field of study;
- culturally responsive and responsible, knowledgeable, and appreciative of the diversity among learners;
- committed to self-assessment and reflection;
- partners, educational advocates, and leaders at the school level and in the wider community; **and**
- users of technology that enhances teaching and learning.

Please note that there are five sets of requirements: general requirements, competency requirements, prerequisite, and corequisite course requirements and program course requirements. The general requirements, competency requirements, prerequisites, and corequisite course requirement are the same for the regular and BCLAD emphasis candidates unless otherwise noted. These prerequisite and corequisite courses may be transferred from other colleges/universities. The program course requirements are the same for each area of emphasis with the exception of the primary reading methods course.

General Requirements

1. Application & Admission to CSU Stanislaus and the Credential Program -- Requires Separate Applications, Fees and Transcripts

The application to the University is separate from the application to the credential program. Credential applicants must already be CSU Stanislaus students or have applied to the University at the time they apply to the credential program. University applications are available on the Turlock campus at Enrollment Services, at the Stockton Campus Office, or on-line at:

- www.csumentor.edu for students who are new to CSU Stanislaus (submitted electronically) or
- www.csustan.edu/GraduateSchool/pdf-apps-publications/AlumniApplication.pdf for alumni from CSU Stanislaus -- (must be printed out -- cannot be submitted electronically)

Application to the University requires a separate set of transcripts and separate fees. If students graduate while in the credential program, they must reapply to the University in a timely manner (about six months prior to graduating) and be readmitted as graduate students to continue in the program.

2. Grade Point Average (GPA) Requirements for Admittance.

The required GPA is 2.75 in the last 60 units or 2.67 overall.

Special Admittance Criteria. The Department is allowed to admit a small number of students who do not meet admittance requirements. The criterion for special admittance is the sole discretion of the Department of Teacher Education. Candidates who are below the minimum GPA according to the criteria must submit a letter noting the exception and requesting special consideration. Candidates must have a minimum GPA of 2.5 in the last 60 units. Admission for such candidates will be determined on an individual basis, following these criteria:

- Have a minimum of 2.5 GPA in the last 60 units. If not, do not apply.
- Date of application
- Passed interview
- Proximity to the required 2.67 or 2.75 GPA
- Possessing special skills that would benefit the candidate as a teacher
- Number of co-requisite courses that the applicant has already completed.
- Quality of recommendations
- Quality of application letter

3. Tuberculosis Clearance.

Students must show proof of having completed a screening for tuberculosis in the last four years.

4. Certificate of Clearance.

Applicants must submit fingerprints via “livescan” and be “cleared” before working with students. The clearance is processed through the California Commission on Teacher Credentialing (CCTC). The California Department of Justice and the Federal Bureau of Investigation (FBI) conduct background checks. When “cleared,” a student will receive in the mail a “Certificate of Clearance” (which may take several months to arrive).

Competency Requirements

1. CSET Multiple Subjects Examination - www.cset.nesinc.com

Candidates must pass the California Subject Examination for Teachers (CSET) Multiple Subjects Examinations in order to earn the Preliminary Multiple Subject Credential. Note: Candidates who take CSET 2-3 times and are not very close to passing should consider taking courses in the areas tested to improve their skills prior to retaking the test. Candidates should request that CSU Stanislaus receive electronic verification of scores (no paper verification will be necessary). If this is not possible, candidates must submit actual paper transcripts as verification of passing.

Non-Blended Liberal Studies Program

Candidates: Applicants in this category must pass the CSET Multiple Subjects Exam prior to beginning to take classes in the program. Candidates who are unable to take and pass the test prior to submitting their application must show proof of registration to take the exam (printout or photocopy of registration form) and must take the test in the first available date. Applicants must show proof of passing this test prior to the start of the semester (prior to the beginning of the Fall or Spring semesters – depending on planned start of the program).

CSU Stanislaus Blended Liberal Studies Program Candidates must have been admitted to the CSU Stanislaus Blended Liberal Studies Program to qualify for this option. Applicants do not need to have passed CSET before admission to the credential program. However, applicants must have already registered to take the CSET at the time they apply for the credential program. Proof of registration is required with your application program (printout or photocopy of registration form). Blended Program candidates must pass CSET Multiple Subjects Exam prior to beginning student teaching.

2. California Basic Education Skills Test (CBEST)**www.cbest.nesinc.com:**

Applicants must have taken the CBEST before beginning the Multiple Subject Credential Program. However, it is not required that the candidate pass the test before beginning the program. Candidates who are unable to take the test prior to submitting their application must show proof of registration to take the exam and must take the test the first available date. Candidates should request that CSU Stanislaus receive electronic verification of passage (no paper verification will be necessary). If this is not possible, candidates must submit actual paper transcripts as verification of passing. This test must be passed prior to student teaching.

3. Reading Instruction Competence Assessment (RICA) - www.rica.nesinc.com:

This test assesses a candidate's knowledge of how to teach reading. It is advisable that credential students take this exam only after completing the credential program courses on how to teach reading. Candidates should request that CSU Stanislaus receive electronic verification of passage (no paper verification will be necessary). If this is not possible, candidates must submit actual paper transcripts as verification of passing.

4. OPTIONAL - Preliminary Educational Technology Requirement Examination

In order to obtain the Preliminary Multiple Subject Credential candidates must meet the Preliminary Educational Technology Requirement. This requirement can be met in one of two ways:

- Take the Preliminary Educational Technology Requirement Examination. www.cset.nesinc.com. OR
- Take EDIT 4170 Educational Technology Foundations course for 2 units after being admitted to the credential program

Prerequisite Requirements (Prior to Beginning to Take Methods Courses)

These requirements must be met **prior to taking courses** in the credential program, **but do not have to be met prior to submitting an application** to the Credential Program.

1. English Composition

There are two ways to meet this requirement:

- Complete an **upper-division** English composition course that is listed as a Writing Proficiency (WP) course in the CSU Stanislaus course catalog or having passed equivalent test or completed equivalent course at another university, **or**
- Obtain a score of 41 or higher on the writing section of the CBEST. Score transcripts for the CBEST must be submitted to the Credentials Processing Center Office if the CBEST score is used to meet this requirement.

2. Early Field Experience

Candidates must complete 45 hours of observation and have experience working with students in classrooms (grades K-12) prior to being admitted to the credential program. These 45 hours may be from required observations completed in courses, volunteering in a classroom, or from employment as an instructional aide, tutor, substitute teacher, regular teacher, or other equivalent experience.

3. Entry-Level Basic Computer Competency

The California Commission on Teacher Credentialing requires that candidates applying for entry into multiple subject or single subject credential programs demonstrate proficiency with technology. This requirement can be satisfied in one of two ways: by completing a computer course (almost any computer course counts) or by submitting documentation which demonstrates knowledge of word processing, Internet usage, presentation software, and email usage as noted on Form VIII in the Application Packet.

4. Pass CSET Multiple Subject Examination

Candidates who are not admitted into the Liberal Studies Blended Program, must pass the CSET exam prior to beginning to take program courses. See note above in #1 of the Competency Requirements, CSET Multiple Subjects Examination.

5. Take CBEST

See note above in #2 - CBEST.

Corequisite (Concurrent) Course Requirements

All of these corequisite courses should be completed prior to admittance to the credential program, **but may be taken concurrently**.

1. American Government/Constitution

PSCI 1201 American Government, 3 units, **or** equivalent
If the equivalent of this course was passed by examination, the results must be posted on an official college transcript and submitted with the Multiple Subject Credential Program application.

2. Child Development.

PSYC/CDEV 3140 Human Development I: Childhood, 3 units, **or** equivalent (may be lower-division)

3. Second Language Experience.

Non-BCLAD emphasis (Not doing Bilingual Credential)
Candidates should consult the "Options for Completing the Second Language Experience" form included in the Program Handbook for alternative experiences that count toward meeting this requirement (there are 16 options). Generally, it is 3 units of foreign or sign language or 2 years of high school foreign language (same language).

BCLAD Emphasis - Pass language proficiency exam

- Candidates will take a proficiency test prior to or upon admittance to the program. Contact the secretary of the Department of Teacher Education to register for the proficiency test. There is a fee for taking this test.

4. Classroom Management Course.

Not required for non-interns, but highly recommended
EDUC 4500 Instruction, Assessment, and Management for Beginning Teachers and Interns, 3 units
(Candidates who complete one year of a Pre-Intern Program may receive credit for this course, in order to become interns through CSU Stanislaus. Contact the coordinator for details.)

Credential Program Course Requirements

Note: EDMS 4100 and 4150 may be completed prior to formal admittance to the credential program. All other courses can only be completed after being admitted to the program.

Semester 1 and Winter/Summer Terms

EDMS 4100 Foundations of Education in a Diverse Society
3 unit

(Note: EDUC 4200 Diversity and the Classroom meets this requirement)

Primary Reading/Language Arts Methods – Take one course, depending on program emphasis: 3 units

EDMS 4110 Primary Reading/Language Arts Methods: English Instruction, 3 units

EDMS 4111 Primary Reading/Language Arts Methods: Spanish Bilingual, 3 units

EDMS 4112 Primary Reading/Language Arts Methods: Primary Language Support, 3 units

EDMS 4121 Mathematics Methods, 3 units

EDMS 4130 Science and Health Methods, 3 units

EDMS 4140 History/Social Science and Visual and Performing Arts Methods, 3 units

EDMS 4150 Methods of Multilingual Education, 3 units

(Note: EDUC 4400 Foundations of Multilingual Education meets this requirement)

EDSE 4160 Foundations of Special Education, 1 unit

HLTH 4165 Survey of Elementary School Health and Safety,
1 unit

EDIT 4170 Educational Technology Foundations*, 2 units

*(*Note: Passage of the CSET Preliminary Educational Technology Requirement Examination meets this requirement – register at www.cset.nesinc.com)*

Semester 2 –After passing CSET and CBEST and completing corequisite courses and program courses listed above

- EDMS 4113 Intermediate Reading/Language Arts Methods (may be completed prior to st. teaching)
4 units
- EDMS 4180 Classroom Management/Professional Standards (must be completed during st. teaching semester),
1 unit
- EDMS 4190 Student Teaching Practicum I, 3 units
- EDMS 4191 Student Teaching Practicum II, 5 units

Suggested Course Sequence for Interns

The sequence of courses for interns is only suggested because the actual sequence is dependent on courses completed and needing to be completed at the time a student becomes an intern.

Option 1 - Internship Begins in First Semester of the Credential Program

This option is for students who become interns prior to completing the first semester of program courses.

Prior to Admittance to the Internship

- PSYC/CDEV 3140 Human Development I: Childhood or equivalent course, 3 units
- EDUC 4500 Instruction, Assessment, and Management for Beginning Teachers and Interns or equivalent course, 3 units
- EDMS 4100 Foundations of Education in a Diverse Society, or equivalent course, 3 units
- 45 hours of Early Field Experience

Internship Semester 1 (11 units - 6 course units and 5 student teaching units)

- Primary Reading/Language Arts Methods, 3 units
- Take one course, depending on program emphasis:
- EDMS 4110 Primary Reading/Language Arts Methods: English Instruction
- EDMS 4111 Primary Reading/Language Arts Methods: Spanish Bilingual
- EDMS 4112 Primary Reading/Language Arts Methods: Primary Language Support
- EDIT 4170 Educational Technology Foundations, 2 units
- EDMS 4180 Classroom Management/Professional Practices, 1 unit
- EDMS 4191 Student Teaching Practicum II, 5 units*

**Because interns are responsible for teaching a classroom, they register for Student Teaching Practicum II before Practicum I so that the university supervisor can visit the room more frequently and provide additional assistance at the beginning.*

Internship Semester 2 (10 units - 7 course units and 3 student teaching units)

- EDMS 4113 Intermediate Reading/Language Arts Methods, 4 units
- EDMS 4121 Mathematics Methods, 3 units
- EDMS 4190 Student Teaching Practicum I, 3 units

Internship Semester 3 (6 units)

- EDMS 4130 Science and Health Methods, 3 units
- EDMS 4140 History/Social Science and Visual and Performing Arts Methods, 3 units

Internship Semester 4 (5 units)

- EDMS 4150 Methods of Multilingual Education, 3 units
- EDSE 4160 Foundations of Special Education, 1 unit
- HLTH 4165 Survey of Elementary School Health and Safety, 1 unit

Any other requirement not met

Option 2 - Internship Begins in the Second Semester of the Credential Program

This option is for students who become interns after completing the first semester of program courses.

Prior to Admittance to the Internship**Co-requisite courses**

- EDMS 4100 Foundations of Education in a Diverse Society, 3 units
- Primary Reading/Language Arts Methods, 3 units

Take one course, depending on program emphasis:

- EDMS 4110 Primary Reading/Language Arts Methods: English Instruction
- EDMS 4111 Primary Reading/Language Arts Methods: Spanish Bilingual
- EDMS 4112 Primary Reading/Language Arts Methods: Other Languages Bilingual
- EDMS 4121 Mathematics Methods, 3 units
- EDMS 4130 Science and Health Methods, 3 units
- EDMS 4140 History/Social Science and Visual and Performing Arts Methods, 3 units
- EDSE 4165 Foundations of Special Education, 1 unit
- HLTH Survey of Elementary School Health and Safety, 1 unit
- EDIT 4170 Educational Technology Foundations, 2 units

Internship: One Semester (16 units)

- EDMS 4113 Intermediate Reading/Language Arts Methods, 4 units
- EDMS 4150 Methods of Multilingual Education, 3 units
- EDMS 4180 Classroom Management/Professional Standards, 1 unit
- EDMS 4190 Student Teaching Practicum I, 3 units
- EDMS 4191 Student Teaching Practicum II, 5 units

Professional Clear Multiple Subject Credential: CLAD or BCLAD

Upon recommendation for a California Preliminary Multiple Subject Credential, students have five years in which to complete the requirements for a Professional Clear Multiple Subject Credential.

Requirements (30 units)

1. Complete a 30-unit approved program of postbaccalaureate upper-division/graduate course work. A minimum grade point average of 3.0 for educational course work with no grade lower than a C and a minimum grade point average of 3.0 for all postbaccalaureate course work is required. The 30-unit program must be planned with and approved by the MSCP clear credential adviser in writing. Postbaccalaureate course work taken for the Preliminary Credential may be used to meet a portion of the 30-unit requirement. For students who did not complete their preliminary course work with CSU Stanislaus, there is a residency requirement of six units. (The applicant is urged to consider course work which applies toward an advanced credential, CLAD Certificate, and/or an M.A. degree program. However, such a plan requires consultation with the appropriate advanced credential/M.A. area coordinator.)

Within the 30 unit program, the following courses are suggested:

- EDUC 4100 Working with At-Risk Students, 2-4 units
 - EDUC 4120 Diagnostic Techniques of Teaching, 3 units
 - EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People, 3 units
 - EDUC 4500 Instruction, Assessment, and Management for Beginning Teachers and Interns, 3 units
 - EDUC 4840 Analysis and Strategies of Teaching, 3 units
 - EDUC 5860 Multicultural and Global Education, 3 units
 - EDML 5000 Multilingual Education in the Content Area, 3 units
 - EDML 5001 Multilingual Education Evaluation, 3 units
 - EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units
 - EDML 5400 Theory of Multilingual Education, 3 units
2. Within the 30 unit program, the following required courses must be completed:
 - EDIT 4730 Microcomputers, Curriculum, and Instruction, 3 units
 - EDSE 4130 Special Education Strategies for the Classroom Teacher, 3 units
 - HLTH 4200 Elementary School Health and Safety, 3 units
 3. Verification of having met the CPR requirement through course work or a current CPR card.
 4. Students seeking a professional clear credential who have received their initial teaching credential from another university in California or from a university in another state should contact the department office to be directed to an adviser.

Single Subject Credential Program (SSCP)

Coordinator: Mary D. Salisbury

Professional Programs

The Single Subject Credential programs are field-centered and performance-based. They integrate theory and practice by providing ongoing experiences within public school settings which focus on the attainment of the knowledge and skills characteristic of effective teaching. Students are at a center daily for the field experiences and the course work for the entire academic year in which they are in the program. The program admits students for both fall and spring semesters.

Candidates may apply for an internship in place of traditional student teaching. Interns have a contract with a school district and teach a minimum of three periods a day with a maximum of full-time teaching. Interns take coursework in Turlock or Stockton in the evenings and/or weekends. Candidates fluent in Spanish may earn a Bilingual Crosscultural Academic and Language Development (BCLAD) Certificate.

Admission Requirements

1. Obtain an application packet for admission to the Single Subject Credential Program (SSCP) by attending an information session. Call (209) 667-3357. The application folder must be completed and submitted early in the semester preceding admission to the program. See application packet for specific date and directions.
2. Minimal grade point average requirements for admission are explained in the SSCP application packet. A 3.0 grade point average, with no grade lower than C, must be maintained in credential program courses.
3. Students must be admitted to the Graduate School as an unclassified post-baccalaureate student.
4. Students must submit a Certificate of Clearance when they apply for the program. Copies of the form for "Livescan" and "Character and Identification Clearance" are available from the Department of Teacher Education.
5. The student is admitted to the program for a specific initial enrollment term. A written request for a leave of absence is required to postpone entry. Such a request should be directed to the SSCP Selection and Review Committee for approval. Failure to obtain a leave of absence will result in the student's withdrawal from the program.
6. Courses which are more than five years old generally will not be accepted to fill professional program requirements.
7. Students must take the California Basic Educational Skills Test (CBEST) before being admitted to the program.

Academic Requirements for Admission to the Program

1. Before starting the program, students must complete one of the following: a Subject Matter Preparation Program in their teaching area or earn a passing score on a California Subjects Exam for Teachers (CSET). Subject Matter Preparation Program advisement is available from the programs in Art, Biology, Chemistry, English, Geology, Mathematics, Music, Physical Education, Physics, Social Sciences, and Spanish. The university does not currently offer Subject Matter Preparation Programs in agriculture, business, health, home economics, industrial arts, or languages other than Spanish. Students who have completed approved Subject Matter Preparation Programs elsewhere or passed the CCTC-approved examinations in these subjects may apply to the credential program.
2. Complete an Upper Division Writing course (listed as WP in the CSU Stanislaus course catalog) or pass an equivalent test, **or** a verified score of 41 or better on the writing portion of CBEST.
3. Complete PSCI 1201 American Government **or** an equivalent course which fulfills the U. S. Constitution requirement to qualify for a teaching credential.

4. Complete the following pre-program courses and experiences:
 - a. 45 hours of documented observation in public secondary classes or EDSE 3800, 1 unit
 - b. EDSC 3900 Foundations of Secondary Education, 3 units
 - c. PSYC 3240 or CDEV 3240 Human Development II: Adolescence, 3 units
 - d. Language experience (may be met by experience or units) (See SSCP Overview for list of experiences)
 - e. Technology proficiency (see SSCP application for details)
 - f. College level course on the U.S. Constitution
 - g. Upper Division writing course, listed as WP in the CSU Stanislaus course catalog, or passing an equivalent test or receiving a verified score of 41 or better on the CBEST exam. (See the "Overview and Pre-Program Advising Packet" for equivalency options.) Equivalent courses may be approved by the Coordinator.
5. Students wanting to earn a Bilingual Crosscultural Academic and Language Development (BCLAD) Certificate must complete two additional requirements:
 - a. A course on the target culture (See SSCP Overview for course list)
 - b. The Spanish language proficiency examination: The Spanish language proficiency examination must be passed prior to admission at level 2 and at level 3 by completion of the program. Information on the Spanish language proficiency examination is available from the **Department of Teacher Education**.
6. The internship program permits candidates to obtain employment in collaborating school districts while completing the requirements for the Preliminary Credential. Candidates for the intern program must meet the following additional requirements besides those for admission to the program:
 - a. Have completed a B.A./B.S./ or B.M. degree
 - b. Have passed CBEST
 - c. Have completed an approved subject matter preparation program or passed the CSET exam.
 - d. Be hired by a school district that is an intern partner with CSU Stanislaus
 - e. Successful completion of EDSC 4000 (4 units)
 - f. Be accepted into the SSCP Intern Program
 - g. Apply for an intern credential

Professional Program Course Requirements

EDSC 4000 Secondary Education I for Interns, 4 units **or**
 EDSC 4100 Secondary Education I, 4 units
 EDSC 4110 Multilingual Education in Secondary Schools, 3 units
 EDSC 4115 Reading and Writing Instruction in the Secondary Content Area, 5 units **or**
 EDSC 4215 Reading and Writing Instruction in the Secondary Content Area (BCLAD), 5 units
 EDSC 4300 Secondary Education II, 4 units
 EDSC 4350 Secondary Education II for Interns and Evening Cohort, 4 units
 EDSC 4400 Secondary Education III, 4 units
 EDSC 4450 Secondary Education III for Interns and Evening Cohort, 4 units
 EDSC 4500 Secondary Education in a Global Society, 3 units
 EDSE 4160 Foundations in Special Education, 1 unit
 HLTH 4215 Survey of Secondary School Health and Safety, 1 unit
 EDIT 4170 Education Technology Foundation, 2 units

Traditional Students Only:

EDSC 4850 Secondary Education Field Practicum I, 2 units
 EDSC 4855 Secondary Education Field Practicum II, 5 units

Interns Only:

EDSC 4870 Secondary Education Field Practicum I for Interns, 5 units
 EDSC 4875 Secondary Education Field Practicum II for Interns, 2 units

Professional Program Course Requirements for Credential Candidates earning the Spanish Bilingual Authorization:

Students take the same courses listed in (A) except EDSB 4115 Reading and Writing in the Secondary Content Area: Spanish, (5 units) is taken in place of EDSC 4115. In addition students must pass:

A Spanish language proficiency examination with a score of FSI Level 3 which measures reading, writing, speaking, and listening in Spanish.

One course on the target culture from the following list:

ETHS 2100 Contemporary Chicano Studies
 ETHS 4000 Mexican American Family
 HIST 4500 History of Mexico
 HIST 4510 The United States and Latin America
 HIST 4710 Mexican American History

Note: Students in either the traditional student teaching program or the intern program may opt for the Spanish Bilingual Authorization.

Reading/Language Arts Specialist Credential and the Reading Certificate Program

Coordinator: Susan M. Neufeld

The Reading/Language Arts Specialist Credential may be completed independent of or in conjunction with the Master of Arts degree. Courses are scheduled in the late afternoon and evening to enable employed individuals to attend. Candidates may obtain their Reading Certificate (15 units) and/or their Reading/Language Arts Reading Specialist Credential (30 units). The 15 units required for the Reading Certificate also are included in the Reading/Language Arts Specialist Credential.

Prerequisites

To be considered for admission to this advanced credential program only, the applicant must:

1. Possess a baccalaureate degree.
2. Have earned at least a 3.0 grade point average in the last 60 units attempted.
3. Possess a valid teaching credential.
4. Have at least one year of teaching experience in reading in any grade K–12.
5. Have completed EDRG 3250, EDMS 3110, EDRG 3470 **or** EDMS 4110 and EDMS 4113.

Requirements (30 units – 15 units at certificate level and 15 at credential level)

Reading Certificate

EDRG 4100 Reading and Language Arts Instruction: Grades K-12, 3 units
 EDRG 4240 Reading Instruction in the Primary Grades, 3 units
 EDRG 4250 Reading Instruction in the Intermediate Grades, 3 units
 EDRG 5250 Reading and Language Arts: Assessment and Evaluation, 3 units
 EDRG 5910 Practicum in Reading and Language Arts, 3 units

Note: EDRG 5250 is a prerequisite for enrollment in EDRG 5910.

Reading Credential

In addition to completion of the above courses for the Reading Certificate (15 units), the following courses must be completed to earn the Reading Credential (30 units):

EDRG 4150 Reading: Literature-based Instruction for Children, 3 units
 EDML 5000 Multilingual Education in the Content Area, 3 units
 EDRG 5350 Reading and Language Arts: Research and Trends, 3 units
 EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units
 EDRG 5920 Advanced Practicum in Reading and Language Arts, 3 units

Note: EDRG 5910 is a prerequisite for enrollment in EDRG 5920.

These units are required for the Reading/Language Arts Specialist Credential. Students in Reading Recovery Training may transfer up to six Reading Recovery units that will substitute for EDRG 4240 and EDRG 5910. The Reading Specialist Credential Program and MA in Reading also are offered in Stockton.

Application Procedures

To apply for admission and become fully admitted to the advanced credential program only, the applicant must:

1. Complete the University admission form and file it with Enrollment Services in the Mary Stuart Rogers Building (MSR 120).
2. Submit transcripts to the Admissions Office including at least the last 60 units of college/university course work.
3. Submit letters of recommendation to the Reading Credential Program Coordinator (check with the advanced credential program coordinator for the exact number required).
4. Submit test scores (e.g., CBEST), as required by the advanced credential program, to the Reading Credential Program Coordinator. For Life Credential holders, the CBEST will be waived.
5. Submit proof of valid teaching credential to the Reading Credential Program Coordinator.
6. Participate in an interview and have the program file evaluated by the Reading/Language Arts Specialist Credential Program Advisory Committee.

Note: Before beginning the above procedures, a conference with the program coordinator is required.

Admission Classifications

The student seeking an advanced credential only may be placed in one of two classifications:

1. **Postbaccalaureate Standing: Unclassified**
(Permits one to enroll in classes as specified by M.A. area coordinator.) To be admitted to Postbaccalaureate Standing: Unclassified, the applicant must:
 - a. Complete the University admission form.
 - b. Meet CSU Stanislaus admission requirements.
2. **Graduate Standing: Classified**
(Admission to the M.A. program is granted.) To move to Graduate Standing: Classified, the applicant must:
 - a. Submit transcripts of college/university course work, to include at least the last 60 units.
 - b. Submit letters of recommendation.
 - c. Submit passing CBEST and other test scores as required.
 - d. Submit proof of valid teaching credential.
 - e. Complete at least eight units of advanced program course work with at least a 3.0 grade point average.
 - f. Participate in an interview; have the program file evaluated by a credential program committee.

Note: Obtain more detailed information from the coordinator of the program.

Grade Requirements

It is expected that the student seeking an advanced credential will maintain a grade point average of 3.0 while in the program. Minimum acceptable grade for a credential course is a C.

Final Requirements

To obtain the required recommendation for the advanced credential from CSU Stanislaus, the student must:

1. Complete all of the course work required in the advanced credential program.
2. Achieve the competency in the knowledge and skill areas of the program.
3. Submit a minimum overall grade point average of 3.0 for all course work required for the credential.
4. Pass an oral exit examination on the knowledge of reading during the last semester of course work.
5. Submit a completed application form for the credential, along with a receipt which verifies that fees have been paid at the Credential Processing Center, P-303. (See the Credentials secretary shortly after midterm of the final semester in the program for assistance in completing the application process for the credential.)

Graduate Studies in the Department

The Department of Teacher Education offers a Master of Arts degree in Education with an emphasis in the following Curriculum and Instruction areas: Elementary Education, Multilingual Education, Reading, and Secondary Education. Students interested in graduate degree programs may obtain information from the Department Office in Demergasso-Bava Hall (P-330) or the Graduate School in the Mary Stuart Rogers Building (MSR 160). Prerequisites, procedures, and requirements for the M.A. degree are described below. Also included is general information relevant to graduate studies. Detailed information is also available online by visiting the MA Program in Curriculum and Instruction website at <http://blackboard.csustan.edu>. To arrive at the website, first select Login and then Preview, click on the courses tab and choose "Teacher Education," and finally "EdMasters." Courses are scheduled in the late afternoon and evening. Contact the M.A. Coordinator for details at (209) 667-3357.

Master of Arts in Curriculum and Instruction

M.A. Area	Professor (Advisers)	Phone	E-Mail
Elementary Education	Ramon Vega de Jesus	(209) 664-3397	rvegadejesus@csustan.edu
Multilingual Education	J. Wink	(209) 667-3471	vwink@stan.csustan.edu
	N. J. Smith	(209) 667-5337	njsmith@csustan.edu
Reading	S. Neufeld	(209) 664-6719	sneufeld@csustan.edu
Secondary Education	M. Bradley	(209) 667-3473	mimib@koko.csustan.edu

Prerequisites for Admission

1. A baccalaureate degree for admission to the CSU Stanislaus Graduate School with Postbaccalaureate Standing, Unclassified status (see below).
2. For admission to the MA Program in Curriculum and Instruction with Graduate Standing, Classified status, a total score of at least 100 using the following formula for grade point average (grade point average), based on the last 60 units of college/university work, and the Miller's Analogies Test (MAT score: grade point average x 20 + MAT score = total score). For example, a student with a grade point average of 3.0 and a MAT score of 40 would qualify for admission with a total score of 100 (3.0 x 20 + 40 = 100). As an alternative, GRE scores (taken within the last five years) may be submitted. Acceptable minimum total score is 1200.

Application Procedures

1. Complete the University admission form and file it with the Enrollment Services Office in the Mary Stuart Rogers Building (MSR 120).
 2. Submit transcripts to Enrollment Services, including at least the last 60 units of college/university degree course work.
 3. Submit two letters of recommendation, which discuss the applicant's potential for graduate-level study, to the Graduate School in the Mary Stuart Rogers Building (MSR 160).
 4. Submit MAT or GRE score to the Graduate Studies Office.
- Note: For MAT information and testing procedures, contact the Testing Office on campus in MSR180 (209) 667-3158.*

Admission Classifications

Students applying for the M.A. program will be placed in one of two classifications:

1. Postbaccalaureate Standing: Unclassified
(Permits students to enroll in classes as specified by M.A. area coordinator.) To be admitted to Postbaccalaureate Standing: Unclassified, the applicant must:
 - a. Complete the University admission form.
 - b. Meet CSU Stanislaus admission requirements.
2. Graduate Standing: Classified
(Admission to the M.A. program is granted.) To move to Graduate Standing: Classified, the applicant must:
 - a. Submit three "Recommendations for an Applicant to the MA in Education" forms completed by persons familiar with applicant's professional competence and two "Faculty Recommendation Forms" completed by MA Program professors whose courses the applicant has taken while a Postbaccalaureate, Unclassified student.
 - b. Submit Miller Analogies Test or GRE score.
 - c. Fulfill writing competence by submitting a score of at least 41 on the writing section of CBEST.
 - d. All course work must be completed within seven years in order to be accepted.

Other Requirements

In general, no more than six semester units of course work completed in Postbaccalaureate Standing: Unclassified may be applied to a master's degree.

The total number of units for degree completion, as well as specific courses required, vary with each area of emphasis of the M.A. in Education. (See the relevant coordinator for requirements.) A total of 9 units may be transferred from accredited graduate schools in the U.S. or abroad.

Grade Requirements

The minimum academic grade point average for earning the M.A. degree is 3.0. The minimum acceptable grade for courses included in the M.A. program is a C-.

Final Requirements

The M.A. in Education degree requires the successful completion of all course work, approval of a written project or thesis, and passing of an oral examination. At least 15 semester units must be completed as a student in Graduate Standing: Classified. After all requirements have been met, the student will be awarded the M.A. degree.

Note: Prior to being admitted to the program, international applicants whose native language is not English must demonstrate proficiency in English by completing the Test of English as a Foreign Language (TOEFL) with a total score of at least 550 and with part scores of at least 54.

Common Course Work Requirements (15-17 units)

Note: All Common Course Work listed below, except EDGS 5500, require Graduate Standing, Classified status prior to enrolling.

1. Graduate Core Courses: Complete the following courses (9 units):
EDGS 5500 Foundations in Education, 3 units
EDGS 5510 Introduction to Educational Research, 3 units
EDGS 5600 Qualitative Research in Education, 3 units, **or**
EDGS 5610 Quantitative Research in Education, 3 units
2. Project/Thesis: Complete the following courses (6-8 units):
EDUC 5770 Seminar in Elementary and Secondary Education, 2 units
EDUC 5960 Project, 4-6 units. Must be taken over two semesters.
or
EDUC 5990 Thesis, 4-6 units. Must be taken over two semesters.

Curriculum and Instruction: Elementary and Secondary (33-35 units)

Graduate Core (9 units)

- EDGS 5500 Foundations in Education, 3 units
- *EDGS 5510 Introduction to Educational Research, 3 units
- *EDGS 5600 Qualitative Research in Education, 3 units **or**
- *EDGS 5610 Quantitative Research in Education, 3 units

Concentration: Elementary and Secondary Education Theory and Practice (9 units)

- EDUC 4840 Analysis and Strategies of Teaching, 3 units
- EDUC 5330 Research and Trends in Mathematics, Science, and Social Studies, 3 units
- EDUC 5340 Research Trends in the Curriculum, 3 units
- EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units
- EDUC 5860 Multicultural and Global Education: Curriculum and Instruction, 3 units
- EDML 5000 Multilingual Education in the Content Area, 3 units
- EDML 5001 Multilingual Education Evaluation, 3 units
- EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units
- EDRG 4100 Reading/Language Arts Instruction: Grades K-12, 3 units
- EDRG 4150 Reading: Literature-based Instruction for Children, 3 units
- EDRG 4240 Reading Instruction in the Primary Grades, 3 units (not for secondary emphasis)
- EDRG 4250 Reading Instruction in the Intermediate Grades, 3 units
- EDRG 5350 Reading and Language Arts: Research and Trends, 3 units

Electives (9 units)

- 4000 or 5000 level courses selected in consultation with an adviser.

Project/Thesis (6-8 units)

- *EDUC 5770 Seminar in Elementary/Secondary Education, 2 units
- *EDUC 5960 Project, 4-6 units. Must be taken over two semesters.
- or**
- *EDUC 5990 Thesis, 4-6 units. Must be taken over two semesters.

*Classified Status Required

Curriculum and Instruction: Multilingual Education (33-35 units minimum)

Graduate Core (9 units required)

- EDGS 5500 Foundations in Education, 3 units
- *EDGS 5510 Introduction to Educational Research, 3 units
- *EDGS 5600 Qualitative Research in Education, 3 units **or**
- *EDGS 5610 Quantitative Research in Education, 3 units

Concentration: Multilingual Education Theory & Practice (12 units)

- (Concentration courses are also the CLAD Certificate Requirements)
- EDML 5000 Multilingual Education in the Content Area, 3 units
 - EDML 5001 Multilingual Education Evaluation, 3 units
 - EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units **or**
 - EDUC 5860 Multicultural and Global Education: Curriculum and Instruction, 3 units
 - EDML 5400 Theory of Multilingual Education, 3 units

Electives (6 units)

- *5000 courses approved by the program coordinator and MA coordinator

Program/Thesis: (6-8 units required)

- *EDUC 5770 Seminar in Elementary and Secondary Education, 2 units
- *EDUC 5960 Project, 4-6 units. Must be taken over two semesters **or**
- *EDUC 5990 Thesis, 4-6 units. Must be taken over two semesters.

*Classified status required for these courses.

Curriculum and Instruction: Reading (33-35 units)

Select and complete the following required courses:

Graduate Core (9 units)

- EDGS 5500 Foundations in Education, 3 units
- *EDGS 5510 Introduction to Educational Research, 3 units
- *EDGS 5600 Qualitative Research in Education, 3 units **or**
- *EDGS 5610 Quantitative Research in Education, 3 units

Concentration (18 units)

Theoretical Foundations (3 units)

- EDRG 4100 Reading/Language Arts Instruction: Grades K-12, 3 units
- EDRG 4150 Reading: Literature-Based Instruction for Children, 3 units
- EDRD 4240 Reading Instruction in the Primary Grades, 3 units
- EDRG 4250 Reading Instruction in the Intermediate Grades, 3 units

Research and Trends (6 units)

- EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units
- EDRG 5350 Reading and Language Arts: Research and Trends, 3 units
- EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units
- EDUC 5860 Multicultural and Global Education: Curriculum and Instruction, 3 units

Methods (9 units)

- EDML 5000 Multilingual Education in the Content Area, 3 units, **or**
- EDML 5001 Multilingual Education Evaluation, 3 units
- EDRG 5250 Reading and Language Arts: Assessment and Evaluation, 3 units
- EDRG 5910 Practicum in Reading and Language Arts, 3 units

Project/Thesis (6-8 units)

- *EDUC 5770 Seminar in Elementary and Secondary Education, 2 units
- *EDUC 5960 Project, 4-6 units. Must be taken over two semesters.
- or**
- *EDUC 5990 Thesis, 4-6 units. Must be taken over two semesters.

*Classified Status Required

CLAD Certificate Crosscultural Language and Academic Development

The Department of Teacher Education offers the CLAD Certificate. In order to be recommended for the three domains of the CLAD Certificate, each credentialed teacher must take the following 12 semester units:

- EDML 5000 Multilingual Education in the Content Area, 3 units
- EDML 5001 Multilingual Education Evaluation, 3 units
- EDML 5400 Theory of Multilingual Education, 3 units
- EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student, 3 units, **or**
- EDUC 5860 Multicultural Global Education: Curriculum and Instruction, 3 units

Enrollment in these courses requires formal admission to the University. Students also must satisfactorily meet the scholastic, professional, personal, and other standards for graduate study as appropriately prescribed by the University. In addition, each CLAD certificate candidate must have completed six semester units of course work which emphasizes the learning of a language other than English, or one of the CCTC approved options for meeting this requirement. Information on these options is available in the Credential Processing Center or from the CLAD Certificate Coordinator.

Graduate Certificate in Middle/Junior High School Studies

The Department of Teacher Education offers the Graduate Certificate in Middle/Junior High School Studies. In order to be awarded this Certificate, each credentialed teacher must take the following 12 semester units:

- EDRG 4255 Reading Instruction in the Middle/Junior High School, 3 units
- EDUC 4845 Analysis and Strategies of Teaching Middle/Junior High School, 3 units
- EDML 5945 Content Area Education in the Multilingual Middle/Junior High School, 3 units
- EDUC 5345 Research Trends in the Curriculum, Middle/Junior High School, 3 units

Enrollment in these courses requires that the candidate currently be admitted to the M.A. Program in Curriculum and Instruction and be teaching in the middle or junior high school.

Multilingual Education: Graduate

EDML 5000 Multilingual Education in the Content Area (3 units).

Focuses on the K-12 methods of crosscultural language and academic development, the role of multilingual education in American public schools, and the implementation of various program models.

EDML 5001 Multilingual Education Evaluation (3 units).

Designed to teach the theory and practice of effective first and second language assessment. Special emphasis will be placed on the California state mandated instruments and guidelines for language assessment of limited English proficient students. Instruments which assess adult ESL will also be part of the curriculum.

EDML 5200 Advanced Theories in Teaching the Culturally Diverse Student (3 units).

Focuses on advanced theories of learning and teaching styles of the culturally diverse students. Identification of suggested teaching proficiencies for the multicultural classroom. Emphasizes curriculum development for culturally diverse students.

EDML 5400 Theory of Multilingual Education (3 units).

Focuses on the K-12 theory of crosscultural language and academic development, the role of multilingual education in American public schools, and the implementation of various program models.

EDML 5420 Language Arts: Acquisition to Composition (3 units)

Provides teachers with a knowledge base for designing, implementing, and assessing language acquisition and development programs and methodologies for the language minority student in the K-12 setting.

EDML 5940 Field Work: Multilingual Education (3 units).

Provides a field experience for teachers in a multilingual setting in K-12. The use of theory and practice related to teaching the content areas will be emphasized.

EDML 5945 Content Area Education in the Multilingual Middle/Junior High School (3 units).

Course will provide a culminating class/field experience for teachers in the Multilingual Middle/Junior High School. The use of theory into practice in content area teaching will be emphasized. **Prerequisite:** Admission to the Master of Arts Program in Curriculum and Instruction or consent of the education adviser.

Multiple Subject

EDMS 4100 Foundations of Education in a Diverse Society (3 units).

Addresses the major historical, social, and cultural foundations of education with an emphasis on diversity; the major theory of learning; and how culture, socio-economic status, and gender influence achievement.

EDMS 4110 Primary Reading/Language Arts Methods: English Instruction (3 units).

Addresses principles and practices for teaching reading/language arts in English in grades K-3 with an emphasis on listening, speaking, reading, and writing. **Prerequisite:** Admission to the Multiple Subject Credential Program.

EDMS 4111 Primary Reading/Language Arts Methods: Spanish Bilingual (3 units).

Addresses the principles and practices for teaching reading/language arts in Spanish bilingual classrooms in grades K-3 with an emphasis in listening, speaking, reading, and writing. **Prerequisites:** Admission to the Multiple Subject Credential Program and fluency in Spanish.

EDMS 4112 Primary Reading/Language Arts Methods: Primary Language Support (3 units).

Addresses the principles and practices for teaching reading/language arts in multilingual classrooms in grades K-3 with an emphasis in listening, speaking, reading, and writing skills and a focus on ways to support instruction using the primary language. **Prerequisites:**

EDMS 4113 Intermediate Reading/Language Arts (4 units).

Addresses the principles and practices for teaching reading/language arts in grades 4-8 and includes an intensive preparation for the RICA exam. **Prerequisite:** EDMS 4110, 4111, or 4112.

EDMS 4121 Mathematics Methods (3 units).

Addresses the principles and practices for teaching mathematics in grades K-8, including teaching strategies, lesson design and delivery, and selection of appropriate materials for instruction. **Prerequisite:** Admission into the Multiple Subject Credential program.

EDMS 4130 Science and Health Methods (3 units).

Addresses the principles and practices for teaching science and health instruction in grades K-8, including teaching strategies, lesson design and delivery, and selection of appropriate materials for instruction. **Prerequisite:** Admission into the Multiple Subject Credential Program.

EDMS 4140 History/Social Science and Visual and Performing Arts Methods (3 units).

Addresses the principles and practices for teaching history/social science and visual and performing arts instruction in grades K-8, including instructional strategies, lesson design and delivery, and selection of appropriate materials for instruction. **Prerequisite:** Admission into the Multiple Subject Credential Program.

EDMS 4150 Methods of Multilingual Education (3 units).

Presents methods for teaching English language development (ELD) and subject matter content to English learners, including dual language and SDAIE methods. Focuses on the social and cultural origins of language.

EDMS 4180 Classroom Management/Professional Practices (1 unit).

Presents methods of classroom management and practical aspects of working in schools. Also addresses the professional duties and obligations of teachers. **Prerequisite:** Admission to full-time student teaching.

EDMS 4190 Student Teaching Practicum I (3 units).

Students are assigned to a diverse classroom for the mornings for 7 weeks under the supervision of a cooperating teacher and gradually assume more responsibility beginning with observation and small group instruction and progressing to teaching the whole class. **Prerequisite:** Admission to student teaching required.

EDMS 4191 Student Teaching Practicum II (5 units).

Students are assigned to a diverse classroom for 7 weeks under the supervision of a cooperating teacher and gradually assume responsibility for teaching all subjects. **Prerequisite:** Consent of Multiple Subject Credential Program Coordinator.

EDMS 4192 Student Teaching Practicum III (5 units).

Students are assigned to a diverse classroom under the supervision of a cooperating teacher and have an extended period where they are responsible for teaching the whole class. **Prerequisite:** Consent of Multiple Subject Credential Program Coordinator.

Single Subject

EDSC 3800 Observing in Secondary Schools I (1 unit).

Course is designed to give potential secondary teachers a structured opportunity to observe for a minimum of 45 hours in public secondary schools.

EDSC 3900 Foundations of Secondary Education (3 units).

Explores the social, political, economic, and historical contexts of secondary education in the nation and in California. A prerequisite course to the Single Subject Credential Program.

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

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

EDSC 4100 Secondary Education I (4 units).

Integrates theory and practice on strategies for effective individual instruction. Includes sociocultural and psychological foundations and research on effective teaching. **Corequisite:** EDSC 4850. **Prerequisite:** Admission to SSCP.

EDSC 4110 Multilingual Education in Secondary Schools (3 units).

Course is designed to provide an overview of theory, methodology, and assessment for first and second language development in the 6-12 schools. Course will emphasize the cultural origins of language and literacy in relation to needs of students and teachers in a pluralistic society.

EDSC 4115 Reading and Writing Instruction in the Secondary Content Area (CLAD) (5 units).

Designed to teach effective literacy instructional strategies in the content areas in multilingual secondary classrooms. **Prerequisite:** Admission to SSCP or consent of instructor.

EDSC 4215 Reading and Writing Instruction in the Secondary Content Area (BCLAD) (5 units).

(formerly EDSB 4115) Designed to teach theories and practices of effective bilingual literacy instruction in the secondary content area. **Prerequisite:** Admission to the SSCP credential program or consent of instructor.

EDSC 4300 Secondary Education II (4 units).

This course prepares students for classroom instruction responsibilities. Focus on effective teaching methodology for diverse learners. Includes field experience. **Prerequisite:** Successful completion of EDSC 4100, 4850, and 4115 or EDSB 4115.

EDSC 4350 Secondary Education II for Interns and Evening Cohort (4 units).

Integrates theory and practice on strategies for the development of teaching style with an understanding of learning styles. Includes sociocultural and psychological foundations and research on effective teaching. **Corequisite:** See Field Site Director for correct corequisite requirement. **Prerequisite:** EDSC 4000.

EDSC 4400 Secondary Education III (4 units).

Knowledge and application of fundamental principles, generalizations, theories, trends, and methods for effective teaching in multicultural and multilingual schools. **Corequisite:** EDSC 4855. **Prerequisite:** EDSC 4300.

EDSC 4450 Secondary Education III for Interns and Evening Cohort (4 units).

Knowledge and application of fundamental principles, generalizations, theories, trends, and methods for effective teaching in multicultural and multilingual schools. **Corequisite:** See Field Site Director for correct corequisite requirement. **Prerequisite:** EDSC 4350.

EDSC 4500 Secondary Education in a Global Society (3 units).

Examines major concepts and theoretical frameworks of multicultural and global education. Application of cultural dimensions of teaching and learning to curricular decisions. **Prerequisite:** EDSC 4300. Admission to SSCP.

EDSC 4850 Secondary Education Field Practicum I (3 units).

Students observe classes, serve as a teaching assistant to a classroom teacher, and teach in individual instruction two pupils for a semester. **Corequisite:** EDSC 4100. **Prerequisite:** Admission to the SSCP.

EDSC 4855 Secondary Education Field Practicum II (5 units).

Students teach secondary classes and serve as teacher assistants for three periods a day from the beginning to the end of a public school semester. Taken concurrently with EDSC 4400.

EDSC 4870 Secondary Education Field Practicum I for Interns (5 units)

Interns are responsible for teaching at least three classes in a secondary school. They will be observed by a University Supervisor at least six observation cycles. This is part of the requirements for a Preliminary Credential. **Corequisite:** EDSC 4300. **Prerequisite:** Admission to SSCP.

EDSC 4875 Secondary Education Field Practicum II for Interns (2 units)

Interns are responsible for teaching at least three classes in a secondary school. They will be observed by a University Supervisor at least four observation cycles. This is part of the requirements for a Preliminary Credential. **Corequisite:** EDSC 4400. **Prerequisite:** EDSC 4870.

Reading: Upper Division**EDRG 3470 Reading Instruction in the Secondary School (3 units).**

Selection and organization of materials; instructional procedures for developmental reading programs 7-12; reading and the content subject; analysis of research concerning reading needs; field practicum. **Prerequisites:** Admission to the Single Subject Credential Program and/or consent of a credential program coordinator.

EDRG 4100 Reading/Language Arts Instruction: Grades K-12 (3 units).

Strategies and practices in reading and language arts; emphasis on reading in the content area; second language development and acquisition; bilingual methodology, theory, and strategies. **Prerequisites:** EDMS 3110, EDMC 4110, EDSB 4110, EDAB 4110, or EDRG 3470 and consent of education adviser.

EDRG 4150 Reading: Literature-Based Instruction for Children (3 units).

Techniques to revitalize the English-language arts curriculum through literature-based instruction; oral language strategies, such as readers theatre; review of various fairy tales as incorporated into teaching reading strategies.

EDRG 4240 Reading Instruction in the Primary Grades (3 units).

Places emphasis on all aspects of reading readiness, especially methods and materials. The techniques of beginning reading, including aspects of print awareness, phonemic awareness, explicit skills instruction, literature support, and language experience, will be highlighted as they support and contribute to a balanced approach to literacy learning which meets the needs of diverse populations as identified in the CLAD credential program documentation. **Prerequisites:** EDMC 4110, EDBL 4110, or EDRG 3470 and consent of instructor and/or education adviser.

EDRG 4250 Reading Instruction in the Intermediate Grades (3 units).

Places an emphasis on "reading to learn," particularly reading comprehension and study skills, vocabulary development, individualized instruction, reading in content areas, and literature study. **Prerequisites:** EDRG 3250, 3251, 3470, or EDMC 4110 and consent of education adviser.

EDRG 4255 Reading Instruction in the Middle/Junior High School (3 units).

Course places an emphasis on reading to learn, particularly in the area of reading comprehension and study skills, vocabulary development, and reading in the content areas. **Prerequisite:** Admission to the Master of Arts Program in Curriculum and Instruction or consent of the education adviser.

Reading: Graduate

EDRG 5100 Recovery Teaching (3 units).

Prepares teachers to implement the Reading Recovery Program, an early intervention program for first graders at risk of reading failure. May be repeated once.

EDRG 5250 Reading and Language Arts: Assessment and Evaluation (3 units).

Includes the understanding and evaluation of reading and writing difficulties, early intervention programs and procedures, selecting and developing materials, portfolio assessment, and state mandated bilingual tests. **Prerequisites:** EDMS 3110, EDRG 3470, EDMC 4110, EDSB 4110, or EDAB 4110; teaching experience.

EDRG 5350 Reading and Language Arts: Research and Trends (3 units).

Review of research and literature in reading and language arts; in-depth analysis of one or more related topics; evaluation of trends. **Prerequisites:** EDRG 3470, EDMS 3110, EDMC 4110, EDSB 4110, or EDAB 4110.

EDRG 5910 Practicum in Reading and Language Arts (3 units).

Study of techniques of reading and writing assessment, evaluation, and intervention strategies for selected children in designated classrooms; individual and small group tutoring; microteaching; weekly seminars. **Prerequisites:** EDRG 3110, EDRG 3470, EDMC 4110, EDSB 4110, or EDAB 4110 (required), EDRG 5250 (recommended); teaching experience, and consent of Reading Credential Program Coordinator.

EDRG 5920 Advanced Practicum in Reading and Language Arts (3 units).

Students will complete an advanced supervised practicum in reading and language arts which will include a diagnostic prescriptive assessment, intervention plan, and supervision component. **Prerequisites:** Courses for the Reading Certificate including EDRG 5910 and consent of instructor.

Education

EDUC 3500 Early Field Experience (2 units).

Participants will be involved in a variety of school related experiences to assist them in determining their suitability for becoming a classroom teacher. The course will combine classroom work on the university campus and K–12 field experiences, with a focus on gaining a beginning understanding of the role of the teacher in the contemporary public school.

Note: This course meets the pre-professional program requirement of early field experience for admission to the Single Subject Credential Program. However, it does not meet the requirement for the Multiple Subject Credential Program.

EDUC 4000 Historical, Sociocultural, Political Perspectives on Schools in the United States (3 units).

Introduction to American public schooling. It will address the major historical, sociocultural, political, and economic forces that influence schooling and learning outcomes in our society.

EDUC 4100 Working with At-Risk Students in a Community School Setting (2-4 units).

Provides students the opportunity to apply theoretical and practical knowledge of teaching and classroom management and provides experience with culturally and linguistically diverse students in a community school setting. **Prerequisite:** Consent of instructor.

EDUC 4120 Diagnostic Techniques of Teaching (3 units).

(Formerly EDMS 4120) Methods of diagnosing student difficulties and prescribing remediation in terms of curriculum and instruction; performance-based instruction evaluation. **Prerequisite:** Completion of student teaching.

EDUC 4200 Cultural Diversity and the Classroom (3 units).

(Formerly EDBL 4200) Principles of adapting school instructional materials and programs to the particular needs of language minority students. Identification of suggested teaching competencies include selected field experiences.

EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People (3 units).

Prepares educators for student diversity in the classroom and by providing a study of the cultural heritage of the Hmong and Lao people including their recent history, cultures, family structure, language, arts, music, songs, beliefs, family, values, identity, education, and migration.

EDUC 4400 Introduction and Foundations of Multilingual Education (3 units).

Focuses on the existing knowledge base of bilingualism as well as the current practices related to dual language instruction and the education of language minority students.

EDUC 4430 Crosscultural Techniques for Teachers: Language and Sociocultural Issues in School Settings (3 units).

(Formerly EDBL 4430) Focuses on the importance of the social and cultural origins of language and literacy as they relate to the needs of students and teachers in a pluralistic society with egalitarian goals. Emphasis will be on first and second language development.

EDUC 4500 Instruction, Assessment and Management for Beginning Teachers and Interns (3 units).

Instruction, assessment, and management strategies to assist teachers in the initial development and implementation of a comprehensive classroom teaching plan based on current educational theories and attending to the diverse needs of the public school population. Meets the prerequisite for entering the MSCP University Intern Program.

EDUC 4550 Techniques for Supervising Student Teachers (1 units).

Designed to provide educators with the professional skills of supervising preservice and inservice teachers using the clinical supervision process.

EDUC 4600 Seminar on Transformative Literacy (3 units).

Held in Latin America, this course actively engages students with local teachers, children, and families. Using a transformative pedagogy, students will participate in group and individual investigations, write a personal book and maintain a reflective journal. Spanish language skills are not a prerequisite, but are helpful. **Corequisite:** EDUC 4603 (Activity).

EDUC 4700 Integrated and Multi-Sensory Phonetic Approaches to Reading (3 units).

Prepares elementary teachers for teaching multi-sensory phonics, the missing ingredient in many whole language classrooms. There will be an emphasis on integrating phonics with literature and the four language arts: reading, writing, speaking, and listening. Specific strategies for including second language learners are stressed.

EDUC 4840 Analysis and Strategies of Teaching (3 units).

(Formerly EDMS 4840) Analytical methods used to study the elementary and secondary school instructional process. Models and strategies for effective instruction are emphasized. **Prerequisite:** Completion of student teaching.

EDUC 4845 Analysis and Strategies of Teaching Middle/Junior High School (3 units).

Analytical methods used to study the middle/junior high school instructional process. Models and strategies for effective instruction are emphasized. **Prerequisite:** Admission to the Master of Arts Program in Curriculum and Instruction or consent of the education adviser.

EDUC 4870 Complex Instruction: Groupwork in Heterogeneous Classrooms (3 units).

Introduces teachers to Complex Instruction, a set of instructional strategies for using cooperative groupwork in academically and linguistically diverse classrooms. **Prerequisite:** Consent of instructor.

EDUC 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.

EDUC 4950 Selected Topics in Education

(Topics to be specified in Class Schedule) (1–5 units).

Topics vary each term, thus different topics may be taken for credit. **Prerequisite:** Consent of instructor.

EDUC 4980 Individual Study (1–4 units).

For qualified undergraduate upper-division students in need of specialized study not available through regular programs. May be repeated for a total of 6 units. **Prerequisites:** Complete the appropriate university and department forms and, at least two weeks prior to the beginning of the term, obtain the following approvals: instructor who will monitor the individual study, adviser, chair of the Department of Teacher Education, and dean of the School of Education.

Education: Graduate**EDUC 5200 Classroom Management and Discipline: Theory and Models (3 units).**

Research, theory, and practices concerning classroom management and discipline. Students will analyze the diverse factors operating in a classroom situation, select from appropriate alternative models, implement, and evaluate the outcomes. **Prerequisite:** Graduate status or permission of instructor.

EDUC 5330 Research and Trends in Mathematics, Science, and Social Studies, K–12 (3 units).

Designed to analyze and evaluate the K–12 curriculum with emphasis on mathematics, science, and social studies. Selected topics for extensive and intensive study. **Prerequisite:** Consent of education adviser.

EDUC 5340 Research Trends in the Curriculum (3 units).

Designed to analyze and evaluate the K–12 curriculum in general. Emphasis is on recent research findings and implications. **Prerequisite:** Consent of education adviser.

EDUC 5345 Research Trends in the Curriculum Middle/Junior High School (3 units).

Course is designed to analyze and evaluate the middle/junior high school curriculum with emphasis on teaching in the content areas. Selected topics for extensive and intensive study. **Prerequisite:** Admission to the Master of Arts Program in Curriculum and Instruction or consent of the education adviser.

EDUC 5400 Teachers as Change Agents: Researchers and Writers (3 units).

Topics will include training on planning and implementing in-services and staff development, curriculum design and evaluation, grant writing and writing for publications, technology, and community/parent relationships. **Prerequisites:** Teaching credential; consent of education adviser.

EDUC 5770 Seminar in Elementary and Secondary Education (2 units).

Designed to analyze and evaluate the interrelationships among content, purposes, organization, policies, and practices in contemporary elementary and secondary schools. **Prerequisite:** Consent of education adviser.

EDUC 5860 Multicultural and Global Education: Curriculum and Instruction (3 units).

(Formerly EDUC 4860) Examines the major concepts and theoretical frameworks of multicultural and global education, the application of the cultural dimensions of teaching and learning, and knowledge of diverse cultures as applied to curricular decisions. Meets CLAD certificate requirements. **Prerequisites:** Teaching Credential or consent of instructor.

EDUC 5880 Improving Instructional Skills in Cultural Context (3 units).

Focus will be on development of additional teaching skills while considering effects of cultural context on instruction as well as cultural background of the teacher. **Prerequisite:** Adviser or instructor approval.

EDUC 5885 Instructional Programs to Enhance Thinking Skills (3 units).

Designed to review and analyze instructional programs designed to improve the K–12 learner's skills in critical thinking and problem solving. Consideration of various nationally tested programs utilizing content processes, materials, and strategies. **Prerequisite:** Teaching credential and classroom teaching experience.

EDUC 5950 Selected topics in Teacher Education

(Topics to be Specified in Class Schedule) (1-5 units).

Development of a selected topic in teacher education. Topics vary each term. Different topics may be taken for credit. **Prerequisite:** Consent of instructor.

EDUC 5960 Project (1–3 units).

Designed to assist the master's candidate in the preparation of a final project for the fulfillment of the master's degree. May be repeated for a total of 6 units. **Prerequisite:** Consent of M.A. adviser.

EDUC 5980 Individual Study (1–4 units).

Designed to provide graduate students specialized study related to their degree program. May be repeated for a total of 6 units. **Prerequisites:** Approval of student graduate committee and consent of instructor.

EDUC 5990 Thesis (1–3 units).

Designed to assist graduate students in the preparation of their master's thesis. May be repeated for a total of 4-6 units. **Prerequisite:** Consent of M.A. adviser.

EDUC 7005 Continuing Thesis or Project (0 units).

Non-credit course. Applicable to those students who have completed all registration for graduate course work and who have registered for the maximum number of thesis or project units required by their program. Students must register each semester or term until they have secured faculty approval for their theses or projects.

Theatre

School of Fine and Performing Arts

College of Arts, Letters, and Sciences

Office: Drama Building 15
(209) 667-3451

E-mail: btickenoff@csustan.edu

Chair: Clay Everett

Faculty: Clay Everett, Jerome O'Donnell, John Mayer, Caroline Mercier, Andrew Sutherland, Ted Wendt

Emeritus Faculty: Noble T. Dinse, Douglas McDermott, Jere D. Wade

CAREER OPPORTUNITIES

Acting, designing, directing; educational, professional, community, and children's theatre technical production; radio, television, film, journalism, recreation, advertising and public relations; teaching, theatre administration

The Department of Theatre offers a general degree Bachelor of Arts in Theatre Arts as well as a Bachelor of Arts in Theatre Arts with an Acting or a Technical Theatre Emphasis. The degrees are accredited by NAST (National Association of Schools of 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 BA degree- Acting Emphasis offers a strong general theatre core curriculum while instilling a comprehensive approach to Acting, Voice, Movement, and Stage Combat.

The BA degree- 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 (requires 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 in order 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, Theatre Arts

Bachelor of Arts, Theatre Arts (General)

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
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 (WP), 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 3410 Voice I, 3 units
THEA 3420 Stage Movement II, 3 units
THEA 3430 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

Bachelor of Arts, Theatre Arts (Acting Emphasis)

Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
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 3410 Voice I, 3 units
THEA 3420 Stage Movement II, 3 units
THEA 3430 Voice II, 3 units
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (WP), 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

Bachelor of Arts, Theatre Arts (Technical Theatre Emphasis)

Requirements

1. Complete University requirements for the Bachelor of Arts Degree (51 units minimum).
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 (WP), 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

The Minor (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 (WP), 3 units
THEA 4550 American Theatre, 3 units

Liberal Studies Concentration in Theatre

Please refer to the Liberal Studies section of the catalog for the Liberal Studies concentration in Theatre.

Secondary School Teacher's Certificate in Drama

Certificate for Teaching Drama (24 units)

The Certificate for Teaching Drama in schools is designed to be combined with English as the subject matter teaching area. The Certificate prepares potential teachers with a program of study in theatre arts for presentation of theatre curricula in the schools. This program will certify competence for the teaching and direction of theatre programs in schools.

For more information, please refer to the "Single Subject Matter Preparation Program" in the English section of this catalog under "Teaching Credentials."

Program Outline (24 units)

THEA 1010 Introduction to Theatre, 3 units
THEA 1500 Acting for Non-Theatre Majors, 3 units
THEA 3200 Stagecraft I, 3 units
THEA 3240 Costuming, 3 units
THEA 3510 Theatre History I, 3 units
THEA 3520 Theatre History II (WP), 3 units
THEA 4600 Directing, 3 units

In addition:

THEA 4800 Teaching Theatre in Secondary Schools, 3 units

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. Satisfies 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 1520 Beginning Ballet (2 units).

Introduction to classical ballet technique. Learning and experiencing movement theory and technique through barre and center work. **Prerequisite:** THEA 1510 or permission of instructor.

THEA 1530 Modern Dance (2 units).

Introduction, exploration, and experience of modern dance. Movement through space, energy, and time, and exploration of compositional form. **Prerequisite:** THEA 1510 or permission of instructor; may be repeated one time for credit.

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. Satisfies 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)

THEA 2420 Stage Movement 1 (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. An 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 two paired 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 makeups, crepe beard layout, character analysis, and how to develop a character through makeup. (Lab hours are required.)

THEA 3240 Costuming (3 units).

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

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 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:** Sophomore status and 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 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 (Topics to be specified in Class Schedule) (1–5 units).

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)

Postbaccalaureate

THEA 5940 Advanced Production (2–6 units).

Advanced production work in drama for qualified postbaccalaureate students. **Prerequisite:** Consent of instructor. (Fall, Spring)

THEA 5950 Selected Topics in Theatre (Topics to be specified in Class Schedule) (1–5 units).

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. **Prerequisite:** Consent of instructor. (Fall, Spring)

THEA 5980 Individual Study (1–4 units).

For postbaccalaureate 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)

The General Faculty

- 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.A. 1990, Universidade do Rio de Janeiro; M.A. 1996, University of Missouri, Kansas City
- AHANOTU, Austin Metumara (1970), Professor of History, B.A. 1967; Berea College; M.A. 1968, Ph.D. 1971, University of California, Los Angeles
- 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
- ALY, Nael A. (1984), Professor of Operations Management; B.S. 1974, M.S. 1978, Alexandria University, Egypt; M.S. 1981, Ph.D. 1985, University of Oklahoma
- ANDRES, Amy J. (2002), Sr. Assistant Librarian; B.A. 1991, M.A. 1998, California State University, Fresno; M.L.I.S. 2000, University College, London
- ANDRES, Carlos M. (2001), Assistant Professor of Spanish; M.A. 1989, Ohio State University; Ph.D. 1995, University of Wisconsin-Madison
- ARONSON, Melissa M. (1976), Professor of Teacher Education; B.A. 1967, M.A. 1972, California State University, Stanislaus; Ed.D. 1982, University of San Francisco
- ASHER, Rita Ann (1982), Director of the Child Development Center; Professor of Psychology; B.S. 1975, State University College at Fredonia (New York); M.S. 1979, Ph.D. 1984, Texas Tech University
- BAKER, Kurt D. (2002), Associate Professor of Psychology; B.A. 1985, Utah State University; M.A. 1990, Ph.D. 1994, Memphis State University
- BARGETTO, Teresa M. (2001), Associate Professor of Spanish; M.A. 1989, Ohio State University; Ph.D. 1997, University of Wisconsin-Madison
- BARNETT, John A. (1984), Professor of Art; B.A. 1966, Western Washington State College; M.F.A. 1971, University of Washington
- BENDER, Mark E. (2002), Professor, Roland Starn Chair in Agriculture Studies; B.S. 1973, California State University, Fresno; M.A. 1980, Cal Poly San Luis Obispo; Ph.D. 1996, Oregon State University, Corvallis
- BENGSTON, Carl E. (1998) Dean of Library Services, Librarian; B.A. 1974, University of California, Berkeley; M.L.S. 1976, University of Oregon; M.B.A. 1998, Dominican College of San Rafael
- BETTENCOURT, Leland R. (1992), Student Services Professional, Academic Related III; B.A. 1982, M.S.W. 1984, California State University, Fresno
- BETTS, Brenda E. (1995), Professor of Teacher Education; B.A. 1970, U.S. International University, San Diego; M.S. 1975, M.S. 1992, Ph.D. 1995, University of Southern California, Los Angeles
- BICE, Michael (2003), Assistant Professor of Mathematics; B.A. 1977, University of California, Davis; M.A. 1999, Ph.D. 2003, University of California, Santa Barbara
- BOFFMAN, June L. (1977), Interim Dean, College of Arts, Letters and Sciences; Professor of Nursing; B.S. 1969, M.S. 1970, University of California, San Francisco; Ed.D. 1988, University of San Francisco
- BOLLING, Anna L. (1988), Professor of English; B.S. 1965, University of Texas at Austin; M.A. 1970, Southwest Texas State University; Ph.D. 1974, Texas A & M
- BOOSALIS, Chris N. (1999), Associate Professor of Teacher Education; B.A. 1992, Augsburg College; M.A. 1996, Ph.D. 1998, Arizona State University
- BORBA, John A. (1995), Professor of School Administration; B.A. 1972, M.A. 1978, California State University, Stanislaus; Ed.D. 1993, University of the Pacific
- BOURNS, William (2001), Assistant Professor of Criminal Justice; B.S. 1965, Southern Illinois University; M.S. 1970, Ph.D. 1976, University of Illinois, Champaign; D.P.A. 1994, University of Oklahoma
- BOWEN, James C. (1970), Professor of Physical Education; B.A. 1965, University of Northern Iowa; M.A. 1969, Ph.D. 1973, University of Iowa
- BOWERS, Donald W. (1971), Professor of Sociology; B.A. 1967, M.A. 1969, Ph.D. 1973, University of Utah
- BOWERS, Ida I. (1972), Professor of Physical Geography; B.S. 1961, Central Michigan University; M.A. 1965, Ph.D. 1973, University of Hawaii
- BRADLEY, Marylee (1993), Professor of Teacher Education (Secondary Education Generalist); B.S. 1964, State University of New York, Potsdam; A.M. 1965, University of Illinois, Champaign-Urbana; Ph.D. 1994, University of California, Santa Barbara
- BRANDT, John (2001), Senior Assistant Librarian; B.A. 1987, Saint Olaf College; M.A. 1991, University of Missouri, Illinois, Urbana
- BROIN, Valerie E. (1990), Professor of Philosophy; B.A. 1977, University of Denver; M.A.T. 1980, University of Florida; Ph.D. 1988, University of Colorado
- BROWN, Randall B. (1989), Professor of Management; A.B. 1968, Brown University; M.B.A. 1978, University of Virginia, Charlottesville; Ph.D. 1990, University of Massachusetts
- BRUNER, Patricia (2000), Associate Professor of Microbiology; B.S. 1981, California State University, Sacramento; Ph.D. 2002, University of California, Davis
- BUELL, Arthur W. (1995), Associate Librarian (Reference/Off Campus Library Services Coordinator); B.A. 1989, University of California, Santa Cruz; M.A. 1993, Binghamton University, New York; M.L.S. 1996, University of Albany, New York
- BURROUGHS, Nancy F. (2000), Associate Professor of Communication Studies; Faculty Director for Service Learning; B.A. 1984, University of California, Davis; M.A. 1987, California State University, Sacramento; Ed.D. 1990, West Virginia University, Morgantown
- BYRD, James E. (1974), Professor of Analytical/General Chemistry; B.S. 1966, Roosevelt University, Chicago; Ph.D. 1971, University of Chicago
- CAMPBELL, Annhenrie (1991), Professor of Accounting; B.S. 1978, M.B.A. 1988; Humboldt State University; Ph.D. 1991, University of Colorado, Boulder; C.P.A. 1990, State of Colorado

- CARLSTROM, Lisa K. (2004), Assistant Professor of Psychology; B.S. 1995, California Polytechnic State University, San Luis Obispo; M.A. 1999, Ph.D. 2004, University of California, Los Angeles
- CARROLL, Bret E. (1998), Professor of History; B.A. 1983, Emory University, M.A. 1988, Ph.D. 1991, Cornell University
- CARROLL, John E. (1971), Professor of Language & Literature: English; B.A. 1965, M.A. 1967, Ph.D. 1970, University of New Mexico
- CARTER, Thomas John (1981), Professor of Computer Science; B.A. 1970, Dartmouth College; M.A. 1977, George Washington University; Ph.D. 1981, University of Colorado, Boulder
- CHAN, Marjorie (1990), Professor of Management; B.S. 1971, California State University, Fresno; M.B.A. 1972, Ph.D. 1981, University of California, Los Angeles
- CHANG, Yueh-Wen (2005), Assistant Professor of Child Development; B.S. 1995, National Taiwan University; M.S. 1998, Indiana University-Bloomington; Ph.D. 2003, University of California, Berkeley
- CHERUKURI, U. Rao (1970), Professor of Finance; B. Com. 1954, M. Com. 1956, M. Com. (Hons.) 1958, Andhra University; M.B.A. 1966, Atlanta University; Ph.D. 1972, University of North Carolina
- CHIANG, Chau-Pu (1994), Professor of Criminal Justice; B.A. 1983, National Chung-Hsing University; M.A. 1986, Wichita State University; Ph.D. 1991, Washington State University
- CHOW, Tai-Low (1969), Professor of Physics; B.S. 1958, National Taiwan University; M.S. 1963, Case Western Reserve University; Ph.D. 1970, University of Rochester
- CHRONIS, Athinodoros (2003), Assistant Professor Management; B.A. 1986, Aristotle University of Thessaloniki; M.B.A. 1989, Adelphi University; Ph.D. 2003, University of Nebraska
- CHU, Mayling M. (1996), Associate Professor of Social Work; B.A. 1981, Fu Jen Catholic University; M.A. 1987, National Taiwan University; Ph.D. 1995, Arizona State University
- CLARK, Nancy J. (1979), Professor of Nursing; B.S. 1968, M.S. 1983, California State University, Fresno; M.P.A. 1986, Golden Gate University; Ed.D. 2004, University of California, Davis/California State University, Fresno
- CLARKE, Judith L. (1983), Professor of Mathematics; B.A. 1973, M.A. 1976, California State University, Sacramento; Ph.D. 1980, University of California, Davis
- COLNIC, David H. (2004), Assistant Professor of Mathematics; B.A. 1987, University of California, Irvine; M.A. 1994, Ph.D. 2003, University of Arizona
- CORTEZ, Victoria L. (1991), Professor of Psychology; B.A. 1984, University of the Pacific; Ph.D. 1992, University of California, Santa Barbara
- COSTA, Elmano M. (1995), Associate Professor of Teacher Education; B.A. 1978, M.A. 1985, California State University, Stanislaus; Ed.D. 1994, University of the Pacific
- COUGHLIN, Heather (2003), Assistant Professor of Mathematics; B.S. 1997, Humboldt State University; M.S. 1999, Ph.D. 2003, University of Oregon
- CRUZ, Julia G. (1990), Professor of Spanish; B.A. 1962, M.A. 1977, Ph.D. 1982, The University of Texas at Austin
- DANZIGER, Robert (1991), Associate Professor of Music; B.S. 1966, M.S. 1968, State University of New York, Potsdam; Ph.D. 1978, New York University, New York
- DAUWALDER, David P. (2002), Provost/Vice President for Academic Affairs, Professor of Management, Marketing and Operations Management; B.S. 1974, Northern Arizona University; M.A. 1979, Ph.D. 1983, Arizona State University
- DAVIES, Daniel (2003) Assistant Professor of Music; B.M. 1985, SUNY, Purchase New York; M.M. 1987, The Julliard School; D.M. 1999, Northwestern University
- DAVIS, Cathlin Marie (2002), Assistant Professor of Liberal Studies; B.A. 1996, Oberlin College; M.A. 1997, Ph.D. 2002, University of Wisconsin, Madison
- DAVIS, Scott C. (1999), Assistant Professor of English; B.A. 1995, University of California, Irvine; Ph.D. 2000, University of California, Santa Cruz
- DEANER, Heather, (2003), Assistant Professor of Physical Education; B.A. 1997, The Pennsylvania State University; M.A. 2000, The University of North Carolina-Chapel Hill; Ed.D., West Virginia University
- DECARO Peter A. (2001), Associate Professor in Communication Studies; B.A. 1992, M.A. 1993, California State University, Hayward; Ph.D. 1998, Florida State University, Tallahassee
- DECOCKER, Dean (2003), Assistant Professor of Art/Gallery Director; B.A. 1987, California State Polytechnic University, Pomona; M.F.A. 1989, Claremont Graduate University
- DEKATZEW, Lilia (2002), Assistant Professor of Ethnic Studies; B.A. 1986, M.A. 1989, M.A. 1993, Ph.D. 2001, University of Texas, Dallas.
- DEMETRULIAS, Diana Mayer (1983), Vice Provost and Associate Vice President for Assessment and Quality Assurance; Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education); B.S. 1968, Southern Illinois University at Carbondale; M.A. 1972, Ed.D. 1977, Ball State University
- DENG, Pi-Sheng (1990), Professor of Computer Information Systems; B.B.A. 1978, National Cheng Kung University, Taiwan; M.S. 1981, National Chiao Tung University, Taiwan; Ph.D. 1987, Purdue University
- DEVRIES, Kimberly M. (2005), Assistant Professor of English; B.A. 1989, Colgate University; M.A. 1995, Ph.D. 2001, University of Massachusetts
- DINSE, Noble T. (1970), Professor of Drama; B.S. 1968, M.A.T. 1970, Portland State University
- DINWIDDIE, Granger (1987), Associate Professor of Special Education; B.A. 1978, University of the Pacific; M.A. 1983, Southern Illinois University, Carbondale; Ph.D. 1987, University of Kansas, Lawrence
- DORAZ, Walter E. (1975), Professor of Sociology; B.A. 1970, Southeastern Massachusetts University; M.A. 1972, Ph.D. 1975, Washington State University
- DURBIN, Thomas E. (1970), Professor of Anthropology; B.A. 1964, University of California, Berkeley; M.A. 1966, Ph.D. 1970, University of California, Los Angeles
- EDMONDSON, Frederick S. (1977), Associate Vice President for Student Affairs, Dean of Students, Director of Health Services; B.A. 1971, California State University, Sacramento; M.A. 1973, California Polytechnic State University, San Luis Obispo; Ph.D. 1995, University of the Pacific
- ELMALLAH, Amin A. (2000), Interim Dean, College of Business Administration; Professor of Accounting/Computer Information Systems; B. COMM. 1961, Alexandria University; M.B.A. 1965, Indiana University; Ph.D. 1974, University of Illinois, Urbana-Champaign

- ERICKSON, Edward C. (1970), Professor of Economics; B.A. 1965, M.A. 1966, University of California, Riverside; Ph.D. 1970, University of Southern California
- ESTERLY, Jennifer (2001), Assistant Professor of Psychology; B.A. 1994, Vassar College; Ph.D. 1994, University of California, Berkeley
- EUDEY, Betsy (2003), Assistant Professor of Gender Studies/Director of the Gender Studies Program; A.B. 1989, University of California, Davis; M.Ed. 1992, University of Vermont
- EVERETT, Clayton J. (2002), Associate Professor of Theatre; B.A. 1991, California State University, Stanislaus; M.F.A. 1996, Humboldt State University
- FAZAL, S. Abdul (1976), Professor of Mathematics; B.S. 1968, University of East Africa, Nairobi, Kenya; M.A. 1970, Ph.D. 1974, University of California, Berkeley
- FELDMAN, Louis A. (1968), Professor of Mathematics; B.S. 1963, University of Michigan; M.A. 1965, Ph.D. 1969, University of California, Berkeley
- FERRIZ-DOMINQUEZ, Horacio (1999), Associate Professor of Geology; M.S. 1980, Stanford University; Ph.D. 1984, Stanford University
- FILLING, Steven M. (1994), Associate Professor of Accounting; B.A. 1980, Mount Mercy College; M.A. 1991, University of Iowa; Ph.D. 1996, Louisiana State University; C.P.A. 1980, State of Iowa
- FISK, Robert S. (1995), Professor of Mathematics; B.S. 1960, M.S. 1962, Ph.D. 1977, University of Wyoming
- FLETCHER, J. Sue (1983), Professor of Physical Education and Health; B.S. 1968, M.S. 1971, California State University, Fresno; Ed. D. 1981, University of San Francisco
- FLORES, Juan M. (1988), Professor of Teacher Education (Multicultural-Bilingual); B.A. 1974, Stanford University; M.A. 1976, California State University, San Francisco; Ed.D. 1983, University of the Pacific
- FLOYD, Charles E. (1993), Professor of Social Work; B.A. 1970, California State University, Chico; M.S.W. 1975, California State University, Fresno; Ph.D. 1992, University of South Carolina
- FLOYD, Renae (1994), Student Services Professional, Academic Related III; B.A. 1976, Bethel College; M.A. 1979, Wichita State
- FOREMAN, William J. (2003), Assistant Professor of English; B.A. 1984, Bethany College; M.A.T. 1985, Brown University; Ph.D. 1998, University of New Mexico, Albuquerque
- FULLER, Michael C. (1971), Professor of Language and Literature: French; B.A. 1964, University of Idaho; M.A. 1966, Ph.D. 1971, University of Washington
- GACKOWSKI, Zbigniew J. (1984), Professor of Business Computer Information Systems; B.S. 1953, Wroctow University of Technology; M.S. 1955, Ph.D. 1968, Warsaw University of Technology
- GALBO, Kathleen A. (1986), Professor of Elementary Education; B.A. 1967, M.A. 1975, San Francisco State University; Ph.D. 1982, University of Oregon
- GARCIA, John A. (1996), Associate Professor of Social Work; B.S.W. 1988, University of Southern Colorado; M.S.W. 1992, California State University, San Bernardino; Ph.D. 1996, University of Southern California
- GARFIELD, Sara E. (1986), Professor of Teacher Education; B.S. 1974, M.S. Ed. 1982, University of Wisconsin, Superior
- GARNER, Don E. (1987), Professor of Accounting; B.S. 1962, Ohio State University; M.S. 1968, California State University, Sacramento; D.B.A. 1972, University of Southern California; C.P.A. Illinois and Ohio
- GARZA, Andre, (2003), Senior Assistant Librarian; B.A. 1992, Sonoma State University; M.A. 2001, San Diego State University; M.A. 2002, University of Wisconsin
- GERSTENFELD, Phyllis B. (1993), Professor of Criminal Justice; B.A. 1988, Reed College, Portland; M.A., J.D., 1992, Ph.D. 1996, University of Nebraska, Lincoln
- GIARAMITA, Mario J. (1993), Professor of Geology; B.A. 1980, Queens College, City University of New York; M.S. 1984, Ph.D. 1989 University of California, Davis
- GIVENTER, Lawrence L. (1975), Professor of Political Science; B.S.M.E. 1967, New Jersey Institute of Technology; M.S. 1968, Massachusetts Institute of Technology; Ph.D. 1976, University of Pittsburgh
- GNEPA, Tahi J. (1990), Professor of International Business; B.S. 1980, Ecole Supérieure de Commerce d'Abidjan (Ivory Coast); M.S.B. 1982, Ph.D. 1989, University of Wisconsin, Madison
- GOMULA, Jessica (2005), Assistant Professor of Art; B.F.A. 1996, Atlanta College of Art; M.F.A. 2000, Illinois State University
- GOODWYN, Susan W. (1991), Professor of Psychology; B.A. 1978, University of Maryland, European Division; M.S. 1980, University of London; Ph.D. 1986, University of California, Davis
- GROBNER, Mark A. (1997), Assistant Professor of Biological Sciences; B.S. 1980, Colorado State University; M.S. 1985, Ph.D. 1990, Oregon State University
- HAAPANEN, Iris G. (1997), Assistant Professor of Teacher Education; B.A. 1984, University of Panama; M.A. 1997, California State University, Stanislaus; Ph.D. 2000, University of California, San Francisco
- HALL, Erin J. (1999), Associate Professor of Physical Education; B.A. 1994, M.A. 1996, California State University, Chico; Ed.D. 1999, University of Northern Colorado
- HARRIS, Randall D. (1996), Associate Professor of Management; B.A. 1986, M.B.A. 1989, University of Texas at Austin; Ph.D. 1995, University of Florida
- HARVEY, Vickie L. (2000), Associate Professor of Communication Studies; B.A. 1988, M.A. 1990, University of Colorado; Ph.D. 1993, University of Denver
- HEJKA-EKINS, April (1988), Professor of Politics and Public Administration; B.A. 1969, Northern Illinois University; M.S.W. 1971, University of Illinois at Chicago Circle; Ph.D. 1987, University of Southern California
- HELD, Tim (2005), Senior Assistant Librarian; B.A. 1985 University of Oregon; M.A. 1990, Boston College; MLIS 2003, University of Washington
- HELZER, Jennifer (2001), Associate Professor of Geography; B.A. 1986, University of California, Santa Barbara; M.A. 1993, California State University, Chico; Ph.D. 1998, University of Texas, Austin
- HENDRICKS, Judith J. (1982), Professor of Political Science; B.A. 1976, M.A. 1977, University of Houston; Ph.D. 1982, Temple University
- HERNANDEZ, Edward H. (1995), Associate Professor of Management, DMD; B.A. 1988, California State University, Long Beach; Ph.D. 1997, University of California, Irvine
- HESSE, Bruce E. (1984), Professor of Psychology; B.A. 1971, Western Illinois University; M.A. 1977, Ph.D. 1984, Western Michigan University
- HILPERT, Fred P. Jr. (1977), Professor of Speech Communication; B.A. 1962, University of Washington; M.A. 1969, California State University, Chico; Ph.D. 1972, University of Oregon
- HODGE, Margaret L. (2003), Associate Professor of Nursing; B.S. 1976, M.S. 1990, California State University, Sacramento; Ed.D. 1997, University of Southern California

- HOR, Annie Yun-Mun (1996), Associate Librarian (Acquisitions); B.A. 1982, Hong Kong Baptist College; M.A. 1988, The Ohio State University; M.S. 1989, University of Illinois at Champaign-Urbana
- HOUK, Eric E. (2003), Assistant Professor of Economics; B.S. 1997, Frostburg State University; M.S. 2000, University of Idaho; Ph.D. 2003, Colorado State University
- HOWARD, Jane S. (1978), Professor of Psychology; B.A. 1973, Mount Holyoke College; M.A. 1977, Ph.D. 1978, Western Michigan University
- HUGHES, Steven W. (1971), Professor of Political Science; B.A. 1966, Whittier College; Ph.D. 1971, University of North Carolina
- JAASMA, Marjorie A. (1988), Professor of Communication Studies; B.A. 1970, Calvin College; M.A. 1971, University of Minnesota; M.A. 1988, California State University, Stanislaus; Ph.D. 1995, University of the Pacific
- JACOBS, Warren N. (2003), Senior Assistant Librarian; B.S. 1982, California State University, Hayward; M.L.I.S. 2002, University of Wisconsin, Milwaukee
- JANES, Helena A. (1995), Associate Professor of Teacher Education; B.A. 1966, Oxford University; Ph.D. 1995, University of California, Santa Barbara
- JASEK-RYSDAHL, Kelvin D. (1996), Associate Professor of Economics; B.A. 1988, Augustana College; M.A. 1993, Ph.D. 1996, Colorado State University
- JENSEN, Chet D. (2001), Associate Professor of Education; B.A. 1977, California State University, Stanislaus; M.A. 1985, University of California, San Francisco; Ed.D. 1993, University of the Pacific
- JOHNSON, Lola V. (1960), Professor of Language and Literature: English; B.A. 1956, M.A. 1959, University of the Pacific
- JOHNSON, Lynn A. (1995), Associate Professor of Accounting; B.S. 1974, University of Nevada; M.S. 1990, California State University, Chico; Ph.D. 1998, University of Oregon, Eugene
- JOHNSON, Marvin W. (1985), Professor of Physics; B.A. 1971, California State University, Stanislaus; M.S. 1972, Ph.D. 1977, University of Illinois, Urbana
- JONES, Terry D. (2004), Assistant Professor of Biology; B.S. 1991, B.A. 1993, M.A. 1996, Humboldt State University; Ph.D. 2000, Oregon State University
- JUE, Brian J. (2002), Assistant Professor of Mathematics; B.A. 1991, University of California, Berkeley; M.A. 1993, University of Michigan, Ann Arbor; Ph.D. 1999, University of California, Santa Barbara
- KANE, Constance M. (1994), Professor of Education; B.A. 1973, University of Northern Iowa; M.A. 1982, Ph.D. 1992, St. Marys University.
- KARLSTROM, Eric T. (1989), Professor of Geography & Honors Program; B.S. 1971, Northern Arizona University; M.A. 1977, University of Wyoming; Ph.D. 1981, University of Calgary, Canada
- KATSMA, Diane (1993), Associate Professor of Nursing; B.S. 1981, Walla Walla College, College Place, Washington; M.S. 1985, University of California, Los Angeles
- KAVASCH, Deborah H. (1979), Professor of Music: Theory/Voice; B.A. 1971, B.M. 1972, M.M. 1973, Bowling Green State University; Ph.D. 1978, University of California, San Diego
- KELLY, Patrick Anthony (2002), Associate Professor Terrestrial Vertebrate Ecologist/Conservation Biologist and Coordinator of the Endangered Species Recovery Program; B.Sc. 1981, National University of Ireland; Ph.D. 1990, University of California, Berkeley
- KESWICK, Judith L. (2005), Assistant Professor of Nursing; B.S. 1980, M.S. 1990, California State University, Chico
- KHADE, Alan S. (1989), Professor of Management; B.S. 1976, University of Bombay, India; M.Tech. 1981, Indian Institute of Technology, Bombay, India; M. Eng. 1985, Lamar University, Texas; M.B.A. 1986, Ph.D. 1990, University of Houston
- KIM, Eungsuk (1999), Assistant Professor of Economics; B.A. 1986, Indiana University, Bloomington; M.S. 1991, University of Kentucky; Ph.D. 1999, Indiana University
- KLEIN, James M. (1984), Professor of Music; B.M. 1975, M.M. 1977, University of Texas, Austin; D.M.A. 1981, University of Cincinnati, College-Conservatory of Music
- KOBUS, Doni K. (1986), Professor of Education; B.S. 1968, Cornell University; M. Ed. 1975, Ed.D. 1985, University of the Pacific
- KOHLHAAS, Ann K. (1993), Associate Professor of Biological Sciences; B.S. 1978, Texas A & M; M.S. 1985, Texas A & T; Ph.D. 1993, University of Colorado at Boulder
- LAWSON, Don (1980), Student Services Professional, Academic Related III; B.A. 1976, California State University, Chico; M.A. 1992, California State University, Stanislaus
- LEYVA, Valerie (2005), Assistant Professor of Social Work; B.A. 1982, University of South Carolina; M.S.W. 1991, University of Maryland; Ph.D. 2003 Loyola College in Maryland
- LI, Peter Ping (1995), Professor of Management, DMD; B.A. 1982, Shanghai International Studies University; M.B.A. 1987, University of International Business and Economics; Ph.D. 1991, George Washington University
- LIN, Fan-Yu (2004), Assistant Professor of Special Education; B.A. 1996, National Taiwan University; M.S. 1998, University of Pennsylvania; Ph.D. 2004, Pennsylvania University
- LINDSAY, David H. (1991), Professor of Accounting; B.A. 1976, Case Western Reserve University; M.B.A. 1983, Cleveland State University; Ph.D. 1992, Kent State University; C.P.A. 1986, State of Ohio
- LITTLEWOOD, Ian M. (1993), Professor of Physics; B.A. 1972, M.A., Ph.D., 1977, Oxford University, England
- LODEWYCK, Ronald W. (1973), Professor of Business Computer Information Systems; B.A. 1965, Illinois Institute of Technology; M.S. 1966, Ph.D. 1973, Northwestern University
- LOPEZ-CONTRERAS, Enrique E. (1997), Professor of Modern Languages; B.A. 1968, University of San Francisco; M.A. 1982, Virginia Polytechnic Institute and State University; Ph.D. 1997, Simon Bolivar University
- LUO, Ping (1995), Professor of Physical Education and Health; B.A. 1983, Chongqing University; M.S. 1991, SUNY at Brockport College; M.S. 1993, West Virginia University; Ed.D. 1995, West Virginia University
- MACDONALD, Rhoda E. (1982), Professor of Sociology; B.A. 1972, Oklahoma Baptist University; M.S. 1974, Portland State University; Ph.D. 1979, University of Minnesota, Minneapolis
- MAHONEY, Timothy (2001), Assistant Professor of Teacher Education; B.S. 1987, Hobart College; M.A.T. 1993, University of Michigan, Ann Arbor; Ph.D. 2000, University of Colorado, Boulder
- MANTZ, Jeffrey W. (2003), Assistant Professor of Anthropology; B.A. 1993, University of Massachusetts; M.A. 1996 State University of New York, at Binghamton; Ph.D. 2003, University of Chicago
- MARKS, Derek (2003), Assistant Professor of Physical Education and Health; B.S. 1995, M.S. 1998, California Polytechnic State University, San Luis Obispo; Ph.D. 2002, University of New Mexico

- MARQUES, Pamela J. (1995), Associate Professor of Social Work; B.A. 1976, Antioch College; M.A. 1979, University of Denver; Ph.D. 1995, Union Institute Graduate School
- MARSHALL, Susan L. (1988), Professor of English; B.A. 1978, University of California, San Diego; M.A. 1981, Ph.D. 1986, University of California, Santa Barbara
- MAYER, John A. (2000), Professor in Drama; B.A. 1983, M.F.A. 1985, Western Illinois University; Ph.D. 1993, University of Missouri
- MAYER, Mira (1998), Associate Professor of Advanced Studies in Education, (School Counseling); B.A. 1982, University of Arizona; M.S. 1985, Miami University; Ed.D. 1997, University of Cincinnati
- MCCREARY, Jamie M. (1975), Professor of Psychology; B.S. 1971, University of Pittsburgh; M.A. 1972, Ph.D. 1975, University of Florida
- MERCIER, Caroline (2005), Assistant Professor of Costuming; M.A. 1999, Université du Québec à Montréal, Canada; Ph.D. 2003, Northumbria University, England
- MILLER-ANTONIO, Sari (1993), Professor of Physical Anthropology; B.A. 1974, Colgate University; M.A. 1987, Ph.D. 1992, University of Arizona, Tucson
- MOKHTARI, Susan (2005), Assistant Professor of Physics; B.S. 1981, Ph.D. 1986, Imperial College, London England
- MOREN, Martha M. (1971), Professor of Physical Education; B.S. 1967, M.S. 1971, California State University, Hayward
- MORGAN, Cynthia L. (1974), Dean, CSU Stanislaus, Stockton; Professor of Psychology; B.A. 1968, Temple University; M.A. 1971, Ph.D. 1974, University of Wisconsin, Madison
- MORRIS, Gregory (2005), Assistant Professor of Criminal Justice; B.S. 1986, University of Illinois; M.S. 1991, Purdue University; Ph.D. 2003 Mississippi State University
- MUEDEKING, George D. (1972), Professor of Sociology; B.A. 1965, Pacific Lutheran University; M.A. 1968, Ph.D. 1972, Washington State University
- MULDER, Geoffrey (2001), Associate Professor of Music; B.M. 1983, M.M. 1985, Roosevelt University
- MURRAY-WARD, Mildred (2005), Dean, College of Education, Professor of Education; B.A. 1970, University of Florida; M.A. 1975, Ph.D. 1986, University of South Florida
- MURTI, A. K. Gene (1983), Professor Management-Quantitative; B.E. 1959, M.S. University, Baroda, India; M.S.I.E. 1965, Wayne State University; Ph.D. 1971, Illinois Institute of Technology
- MYERS, Jason (2001), Associate Professor of Political Science; B.A. 1989 Columbia College; M.A. 1993, Ph.D. 1998, University of California, Berkeley
- MYERS, Lin S. (1989), Professor of Psychology; B.S. 1980, University of Maryland; Ph.D. 1985, Uniformed Services University of the Health Sciences, Bethesda, Maryland
- MYHRE, Oddmund R. (2002), Associate Professor of Education; B.S. 1982, Telemark College of Education, Norway; M.A. 1990, California State University, Sacramento; Ph.D. 1997, University of Washington, Seattle
- NAINBY, Keith (2005), Assistant Professor of Communication; B.S. /B.A. 1993, Boston University; M.S. 2000, Ph.D. 2003, Southern Illinois University
- NELIGAN, Peter (2001), Associate Professor of Criminal Justice; B.A. 1970, University of California, Santa Barbara; M.A. 1976, Ph.D. 1983, University of Hawaii
- NELSON, Todd D. (1995), Professor of Psychology; B.A. 1989, University of Minnesota; M.S. 1991, Illinois State University; Ph.D. 1996, Michigan State University
- NEMZER, Dennis H. (1984), Associate Professor of Mathematics; B.A. 1970, M.S. 1979, California State University, Northridge; Ph.D. 1984, University of California, Santa Barbara
- NEUFELD, Susan (2001), Associate Professor of Teacher Education; B.A. 1976, M.A. 1982, California State University, Fresno; Ph.D. 1997, University of Southern California
- NICO, Peter S. (2002), Assistant Professor of Chemistry; B.S. 1994, University of California, Davis; M.S. 1996, University of California, Los Angeles; Ph.D. 2001, University of California, Davis
- NOVAK, Gary D. (1973), Professor of Psychology; A.B. 1968, Rutgers University; M.A. 1970, Temple University; Ph.D. 1974, State University of New York at Stony Brook
- O'BRIEN, Paul W. (1993), Professor of Sociology; B.A. 1985, Metropolitan State College of Denver; M.A. 1987, University of Colorado, Denver; Ph.D. 1992, Colorado State University, Fort Collins
- O'DONNELL, Jerome J. (1986), Professor of Drama; B.A. 1970, Florida State University; M.F.A. 1978, Temple University
- OLIVANT, David M. (1995), Professor of Art; B.F.A. 1980, Falmouth School of Art; M.F.A. 1984, Royal College of Art
- O'HALLORAN, Mary Anne (2003), Assistant Professor of Nursing; B.S. 1975, Creighton University; M.S.N. 1979, University of California, San Francisco
- OPPENHEIM, Samuel A. (1971), Professor of History; B.A. 1962, University of Arizona; A.M. 1964, Harvard University; Ph.D. 1972, Indiana University
- PALLOTTA, Gina M. (1990) Associate Professor of Psychology; B.A. 1983, M.S. 1985, California State University, Stanislaus; Ph.D. 1991, West Virginia University
- PATERSON, Stephanie D. (2001) Assistant Professor of English; B.A. 1993, Bucknell University; M.A. 1996, University of New Hampshire; Ph.D. 2001
- PAYNE, James T. (1995), Associate Professor of Sociology; A.B. 1969, University of California, Santa Cruz; M.A. 1975, San Francisco State University; Ph.D. 1983, Washington State University, Pullman
- PERONA, Michael J. (1973), Professor of Physical/General Chemistry; B.A. 1964, Ph.D. 1968, University of California, Santa Barbara
- PERRELLO, Tony (2005), Assistant Professor of English; B.A. 1985, St. Bonaventure University; M.A. 1988, The State University of New York at Albany; Ph.D. 1998 University of South Carolina
- PETERS, Priscilla S. (1972), Librarian (Serials/Systems); A.B. 1971, Stanford University; M.L.S. 1972, University of California, Berkeley
- PETERSON, Elaine J. (1996), Associate Professor of Economics; B.A. 1982, Colby College; M.S. 1990, Ph.D. 1996, University of Wisconsin-Madison
- PETRATOS, Panagiotis (2004), Assistant Professor of Computer Information Systems; B.S. 1995, M.S. 1996, Wichita State University; Ph.D. 2004, University of Luton
- PETROSKY, Alfred R. (1994), Associate Professor of Marketing; B.A. 1982, University of Washington; M.B.A. 1985, University of Utah; Ph.D. (1992), University of Arizona
- PHENGPIS, Chanwit (2004), Assistant Professor of Finance; B.A. 1995, Chulalongkorn University, Thailand; M.B.A. 1998, San Francisco State University; Ph.D. 2004, University of Texas at Arlington
- PHILLIPS, Shane L. (1996), Associate Professor of Chemistry; B.S. 1988, California State University, Stanislaus; Ph.D. 1993, University of California, Davis

- PIERCE, Wayne S. (1971), Professor of Botany; A.B. 1964, Humboldt State University; M.S. 1967, Ph.D. 1971, Washington State University
- PIVEC, Matthew (2005), Assistant Professor of Music; B.M. 2000 University of Wisconsin-Eau Claire; M.M. 2003 Eastman School of Music
- PLOEGER, Joanna S. (2005), Assistant Professor of Communication; B.A. 1989, Millikin University; M.S. 1993, Illinois State University; Ph.D. 1999, The University of Georgia
- POOLE, Dawn M. (1996), Professor of Multimedia Educational Technology; B.S. 1989, University of Wisconsin-Eau Claire; M.S. 1993, Ph.D. 1996, Iowa State University
- POTTER, William F. (1994), Associate Professor of Psychology; B.S. 1982, University of New Haven; M.A. 1993, Western Michigan University; Ph.D. 1996, Western Michigan University
- POTTS, Kenneth (1996), Associate Librarian (Collection Development/Reference); B.A. 1972, Michigan State University; M.A. 1995, Vanderbilt University; A.M.L.S. 1980, University of Michigan
- POWELL, Sharon S. (2002), Student Services Professional, Academic Related I; B.S. 1990, University of San Francisco; M.A. 1995, National University
- REGALADO, Samuel (1987), Professor of History; B.A. 1980, California State University, Northridge; M.A. 1983, Ph.D. 1987, Washington State University, Pullman
- RENEAU, Dana M. (1987), Professor of Mathematics; A.B. 1977, University of California, Berkeley; M.A. 1981, M.S. 1982, Ph.D. 1987, University of California, Davis
- REUBEN, Paul P. (1971), Professor of Language & Literature: English; B.A. 1961, Patna College, India; M.A. 1963, Patna University, India; Ph.D. 1970, Bowling Green State University
- RHODES, Cecil A. (1989), Professor of Criminal Justice; B.A. 1973, California State University, Fresno; J.D. 1980, Western State University College of Law
- RIEDMANN, Agnes C. (1996), Professor of Sociology; B.A. 1963, Creighton University; M.A. 1977, University of Nebraska at Omaha; Ph.D. 1990, University of Nebraska-Lincoln
- RINGSTAD, Robin (2005), Assistant Professor of Social Work; B.S.W./M.S. 1982, Southwest Missouri State University; M.S.W. 1990, California State University, Sacramento; Ph.D. 2001 Berne University
- RIOS-BUSTAMANTE, Antonio (2002), Professor of Chicano Studies; B.A. 1975, University of California, Berkeley; M.A. 1978, Ph.D. 1985, University of California, Los Angeles
- ROBBIN, C. Roxanne (1990), Professor of Art History; B.A. 1980, University of Washington; Ph.D. 1990, University of California, Santa Barbara
- ROE, Christopher J. (2005), Assistant Professor of Teacher Education; B.A. 1981, California State University, Chico; M.A. 1989, University of San Francisco; Ed.D. 2005 University of Southern California
- ROE, Pamela (1971), Professor of Biological Sciences; B.S. 1965, University of Texas; M.S. 1967, Ph.D. 1971, University of Washington
- ROUTH, Stephen R. (2002), Assistant Professor of Political Science; B.A. 1986, University of California, Santa Cruz; M.A. 1992, San Jose State University; Ph.D. 2000, University of California, Davis
- ROY, Rosanne (1999), Associate Professor in Psychology; B.A. 1991, M.Ed. 1996, Ph.D. 2000, McGill University
- ROYER, Katherine A. (1998), Assistant Professor of History; B.A. 1972, University of Kansas; M.D. 1976, Tulane University Medical School; Ph.D. 2001, Stanford University
- RUDD, William N. (2004), Vice President for Development and University Relations, Professor of Management; B.S. 1974, University of North Dakota; M.B.A. 1975, Ph.D. 1978, University of Nebraska
- RUSS, Pamela M. (1991), Professor of Teacher Education; B.A. 1977, California State University, Chico; M.A. 1987, Ph.D. 1990, University of New Mexico, Albuquerque
- SALISBURY, Mary D. (2001), Assistant Professor of Education; B.M. 1973, School of Fine Arts, Boston University; M.Ed. 1980, University of Montana, Missoula; Ph.D. 1990, The Union Institute, Cincinnati Ohio
- SANCHEZ-WALKER, Marjorie (1998), Associate Professor of History; B.A. 1991, University of California, Santa Cruz; M.A. 1993, Ph.D. 1999, Washington State University
- SANKEY, Julia T. (2003), Assistant Professor of Geology; B.S. 1987, Albertson College of Idaho; M.S. 1991, Northern Arizona University, Flagstaff; Ph.D. 1998, Louisiana State University, Baton Rouge
- SARRAILLE, John J. (1986), Professor of Computer Science; A.B. 1973, University of California, Berkeley; M.S. 1986, University of Washington; Ph.D. 1980, University of California, San Diego
- SAVINI, Richard (1983), Professor of Art; B.F.A. 1968, Pratt Institute; M.F.A. 1970, Brooklyn College
- SAYERS, Dennis (2001), Associate Professor of Teacher Education; B.A. 1969 Wake Forest University; M.A. 1971, University of North Carolina, Chapel Hill; Ed.D. 1991, Harvard University
- SCHMANDT, Michael J. (1994), Associate Professor of Geography; B.A. 1987, California State University, Fresno; M.A. 1991, Ph.D. 1995, Arizona State University
- SCHMIDT, Arnold A. (1995), Professor of English; B.A. 1986, SUNY/New Paltz; M.A. 1990, State University of New York at New Paltz; Ph.D. 1994, Vanderbilt University
- SCHOENLY, Kenneth G. (2000), Associate Professor of Biological Sciences; B.S. 1978, M.S. 1981, University of Texas, El Paso; Ph.D. 1989, University of New Mexico
- SCHOENTHALER, Stephen J. (1982), Professor of Sociology; B.A. 1970, State University College at Geneseo, New York; M.A. 1975, Syracuse University; Ph.D. 1980, State University of New York at Buffalo
- SCHULZ, Armin R. (1990), Director of the Faculty Center for Excellence in Teaching and Learning; Professor of Teacher Education; B.S. 1968, Concordia Teachers College, Seward, Nebraska; M.A. 1973 San Francisco State University, Ed.D. 1987, University of the Pacific
- SCHULZ, David P. (2002), Assistant Professor of Communication Studies; B.A. 1996, Western Washington University; M.A. 1998, University of Nevada, Las Vegas; Ph.D. 2002, Penn State University
- SENIOR, H. Gordon (2002), Associate Professor of Art; Intermediate Diploma 1960, Wakefield College; National Diploma 1962, Post Diploma 1963, Leeds College of Art
- SHAWKEY, Jonnie K. (1988), Assistant Professor of Teacher Education; B.A. 1966, San Jose State University; B.A. 1969, M.A. 1970, University of West Florida; Ed.D. 1989, University of Pacific
- SHERMAN, Stanley E. (1969), Professor of Psychology; 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

- SHIPLEY, Kathleen N. (1987), Lecturer and Department Chair in Liberal Studies; B.A. 1965, M.A. 1966, University of California, Santa Barbara
- SHIRVANI, Hamid (2005), President, Professor of Art & Architecture; B.Arch. 1974, Polytechnic of Central London, UK; M.Arch. 1975, Pratt Institute; M.S. 1977, Rensselaer Polytechnic Institute; M.L.A. 1978, Harvard University; Ph.D. 1980, Princeton University; Doctorate (Hon.), Soka University, Japan
- SHORT, Terrie Lee (1980), Honors Program Coordinator; Lecturer in Mathematics; B.S. 1979, M.A. 1986, California State University, Stanislaus
- SILVERMAN, Robert (2003), Associate Professor of Computer Science; B.S. 1976, CUNY; Ph.D. 1985, Purdue University
- SIMS, William S. (2001), Assistant Professor of Music; B.M. 1995, University of Louisiana; M.A. 2000, University of Michigan, Ann Arbor
- SMITH, KWEEKU (2001), Assistant Professor of Teacher Education; B.S. 1984, University of La Verne; M.A. 1995, Ph.D. 1991, University of San Francisco
- SMITH, Nancy J. (1995), Professor of Teacher Education; B.A. 1979, Western Michigan University; M.A. 1984, Eastern Michigan University; Ed.D. 1995, University of San Francisco
- SNIEZEK, Karen M. (1984), Professor of Special Education; B.A. 1972, California State University, Fresno; M.Ed. 1979, Ph.D. 1983, Pennsylvania State University
- SNIEZEK, Tamara (2003), Assistant Professor of Sociology; B.A. 1990, University of California, Santa Cruz; M.A. 1993, Ph.D. 2002, University of California, Los Angeles
- STANISLAW, Harold W.K. (1996), Professor of Psychology; B.A. 1978, Yale University; M.A. 1981, University of California, Riverside; M.A. 1983, Ph.D. 1987, University of California, Los Angeles
- STONE, Koni K. (1994), Associate Professor of Chemistry; B.A. 1984, University of Nebraska at Omaha; Ph.D. 1990, Wayne State University
- STESSMAN, Chad C. (2002), Assistant Professor of Chemistry; B.Sc. 1994, North Dakota State University, Fargo; Ph.D. 1998, University of Arizona
- STESSMAN, Nhu Y.T. (2001), Assistant Professor of Chemistry; B.S. 1994, California State University, San Luis Obispo; Ph.D. 1999, University of Arizona, Tucson
- STRONGIN, DAWN (2001), Assistant Professor of Psychology; B.A. 1986, California State University, San Francisco; M.A. 1996, Ph.D. 2001, University of North Colorado
- STRYKER, Steven B. (1990), Professor of English & Modern Language; B.A. 1968, M.A. 1976, M.Ed. 1980, Ph.D. 1984, University of Arizona, Tucson
- SUMSER, John R. (1990), Professor of Communication Studies; B.A. 1976, M.A. 1979, San Jose State University; M.A. 1985, Ph.D. 1989, State University of New York, Stony Brook
- SUNDAR, Viji K. (1978), Professor of Mathematics; B.S. 1962, M.S. 1964, University of Poona, India; M.S. 1968, Ph.D. 1973, University of Illinois, Urbana
- SUTHERLAND, Andrew (2003), Assistant Professor of Theatre; B.A. 1991, California State University, Sacramento; M.F.A. 1996, Southern Methodist University
- TAN, KIM (1998), Associate Professor of Accounting; B.A. 1981, Victoria University of Wellington, New Zealand; M.A. 1990, Macquarie University; Ph.D. 1997, Temple University
- TANIGUCHI, Nancy J. (1989), Professor of History; B.A. 1968, University of Arizona; M.A. 1981, Ph.D. 1985, University of Utah
- TAVERNIER, Debra L. (2002), Assistant Professor of Nursing; B.S.N. 1995, University of Phoenix, Sacramento
- THAO, My Lo Ly (2004), Assistant Professor of Biology; B.A. 1991, Lawrence University, Wisconsin; M.S. 1995, California State University, Chico; Ph.D. 2000, University of California, Davis
- THOMAS, Megan (2005), Assistant Professor of Computer Science; B.S. 1995, University of California, Davis; M.S. 1999, Ph.D. 2003, University of California, Berkeley
- THOMAS, Stephen R. (1996), Associate Professor of Music; B.M. 1991, Brigham Young University; M.M. 1993, Yale University
- THOMPSON, Mark (1993), Professor of English; B.A. 1982, East Central University, Ada, Oklahoma; M.A. 1989, Ph.D. 1993, University of Oklahoma
- TIBREWAL, Shradha (2000), Associate Professor of Social Work; B.A. 1993, M.S.W. 1995, University of Delhi, India; Ph.D. 2000, University of Illinois, Urbana-Champaign
- TORDOFF, Walter III (1970), Professor of Zoology, Emeritus; B.A. 1965, University of Massachusetts; M.S. 1967, Ph.D. 1971, Colorado State University
- TSACLE, Eleftherios G. (1973), Professor of Business Computer Information Systems; B.S. 1968, University of San Francisco; M.A. 1971, University of California, Berkeley; M.S. 1977, University of California, Davis
- TUEDIO, James A. (1983), Professor of Philosophy; A.B. 1976, University of California, Santa Cruz; M.A. 1980, Ph.D. 1983, University of Colorado, Boulder
- TYNAN, Margaret A. (1996), Professor of Social Work; B.A. 1980, M.S.W. 1982, California State University, Fresno; Ph.D. Social Work, University of Southern California, Los Angeles
- VALLEGA-NEU, Daniela, (2001), Associate Professor of Philosophy; M.A. 1992, Ph.D. 1995, Albert Ludwigs Universitat
- VANG, Christopher T. (2000), Assistant Professor of Teacher Education; B.A. 1993, California State University, Fresno; M.A. 1996, National University
- VEGA DE JESUS, Ramon (2004), Assistant Professor of Teacher Education; B.A. 1980, University of Puerto Rico-Rio Piedras; M.S. 1988, Springfield College; Ph.D. 2004, University of Connecticut-Storrs
- WAGNER, Andrew J. (1995), Associate Professor of Finance; B.A. 1989, Alfred University; Ph.D. 1997, Texas A & M University
- WAKEFIELD, James A., Jr. (1974), Professor of Psychology; B.A. 1970, University of Texas, Austin; M.A. 1973, Ph.D. 1973, University of Houston
- WANG, Shuo (2002), Assistant Professor of History; B.A. 1982, Beijing Teacher's College; M.A. 1985, Beijing University; Ph.D. 2002, Michigan State University
- WATKINS, Cathy L. (1990), Professor of Special Education; B.S. 1981, M.A. 1983, California State University, Stanislaus; Ph.D. 1987, University of Florida, Gainesville
- WATSON, Flora M.C. (1977), Professor of Zoology; B.A. 1967, Whittier College; M.S. 1969, Idaho State University; Ph.D. 1972, University of Southern California, Los Angeles
- WEDDLE, John W. (2002), Associate Professor of Music; B.M. 1971, M.M. 1976, D.M. 1989, University of Oregon
- WEIKART, Richard C. (1994), Professor of History; B.A. 1980, M.A. 1989, Texas Christian University; Ph.D. 1994, University of Iowa
- WENDT, Ted A. (2003), Associate Vice President for Faculty Affairs; Professor of Theatre; B.A. 1972, Eastern Kentucky University; M.A. 1973, Western Kentucky University; Ph.D. 1979, Northwestern University

- WERNES, Hope B. (1976), Professor of Art; B.A. 1965, University of California, Santa Barbara; M.A. 1968, Tulane University; Ph.D. 1972, University of California, Santa Barbara
- WIGGETT, Joseph (2001), Associate Professor of Music; B.A. 1985, University of Maine; M.M. 1991, Manhattan School of Music; D.M.A. 1999, University of Colorado, Boulder
- WIKOFF, Karen (2004), Assistant Professor of Nursing; B.S. 1977, Walla Walla College; M.S. 1986 California State University, Los Angeles; Ph.D. 2003, University of San Diego
- WILLIAMS, Jack W. (1969), Professor of Language and Literature: English; B.A. 1962, M.A. 1966, University of Colorado
- WILLIAMS, Kaylene C. (1986), Professor of Marketing; B.A. 1973, M.B.A. 1976, California State University, Sacramento; D.B.A. 1980, University of Tennessee, Knoxville
- WINFREE, Jason K. (2002), Assistant Professor of Philosophy; B.A. 1991, Hiram College; M.A. 1993, M.A. 1998, Ph.D. 2001, Vanderbilt University
- WINK, Joan (1991), Professor of Teacher Education; B.A. 1966, Yankton College, Yankton, South Dakota; M.A. in Spanish, 1982, M.Ed. in Educational Foundations and Administration, Bilingual Emphasis, 1985, University of Arizona; Ph.D. 1991, Texas A. & M. University
- WINTER, Margaret (2003), Assistant Professor of English; B.A. 1991, University of California, Berkeley; M.A. 1996, Ph.D. 2002, University of Georgia
- WOLF, Steven J. (1993), Professor of Botany; B.A. 1974, State University of New York at Albany; M.S. 1977, Ph.D. 1981, University of Alberta
- WON, Noelle (2005), Assistant Professor of Teacher Education; B.A. 1998, University of Michigan; Ed.D. 2003, University of California, Los Angeles
- YANG, Kou (1998), Associate Professor of Asian American Studies; B.A. 1987, California State University, Fresno; M.S.W. 1991, California State University, Fresno; Ed.D. 1995, California State University, Fresno, University of Davis
- YOUNG, Shawna Hodges (2002), Assistant Professor of Physical Education and Health; B.A. 1993, California State University, Stanislaus; M.S. 1996, Ed.D. 2001, Boise State University
- YOUNG, W. Andrew (1989), Professor of Philosophy; B.A. 1981, University of California, Santa Cruz; M.A. 1986, Ph.D. 1988, Vanderbilt University
- YOUNGBLOM, James J. (1990), Associate Professor of Biological Sciences; B.A. 1980, Winona State University; Ph.D. 1988, University of Minnesota
- YOUNGBLOM, Janey H. (1990), Professor of Biological Sciences; M.A. 1977, M.S. 1978, Rutgers University; Ph.D. 1987, University of Minnesota, Minneapolis
- YOUNGLOVE, Jane A. (2005), Assistant Professor of Criminal Justice; B.S. 1974, M.S. 1976, George Williams College; J.D. 1994, San Joaquin College of Law
- ZARLING, Raymond L. (1983), Professor of Computer Science; B.A. 1967, Luther College, Decorah, Iowa; M.A. 1968, University of Michigan; Ph.D. 1976, University of North Carolina
- ZHANG, Lu Rose (1994), Professor of Physics; B.S. 1982, ECNU, China; M.S. 1987, Mississippi State University; Ph.D. 1992, University of California, Davis

Emeritus Faculty

- AAMODT, Melvin H. (1970), Professor of Human Geography, Emeritus; B.A. 1958, Brigham Young University; M.A. 1960, University of Wisconsin; Ph.D. 1968, Indiana University
- AMRHEIN, John K. (1984), Dean of Library Services, Emeritus; B.A. 1961, Duquesne University; M.L.S. 1963, University of Pittsburgh; M.A. 1967, Pennsylvania State University
- ANDERSON, Roberta T. (1987), Professor of Speech Communication, Emerita; B.S. 1955, University of Wisconsin, Milwaukee; M.Ed. 1965, Ph.D. 1972, University of Illinois, Urbana
- ANTON, Tod A. (1990), Professor of School Administration, Emeritus; A.B. 1951, M.S. 1954, Ed.D. 1964, University of Southern California
- 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
- ANDERSON, Robert K. (1971), Professor of Language & Literature, Emeritus; B.A. 1966, Brigham Young University; Ph.D. 1973, Saint Louis University
- AUBERT, Edward J. (1961), Dean of Admissions, Emeritus; B.S. 1956, University of San Francisco; M.B.A. 1961, University of California, Berkeley
- 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
- BARRETT, Thomas P. (1961), Professor of Management, Emeritus: General; B.A. 1954, Northeastern University; M.A. 1958, Michigan State University
- 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
- 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
- CHRISTOFFERSON, Jay P. (1970), Professor of Biological Sciences, Emeritus; B.S. 1961, University of Utah; M.S. 1965, Ph.D. 1970, University of Hawaii
- COLE, James C. (1964), Professor of Education, Emeritus; A.B. 1947, M.A. 1948, Stanford University; Ed.D. 1956, Teachers College, Columbia University
- COLLA, Virginia Covert (1986), Professor of Music, Emerita; B.M. 1960, University of the Pacific; M.A. 1970, Occidental College; D.M.A. 1986, University of Illinois, Urbana-Champaign
- COLLARD, Clyde V. (1977), Professor of Sociology, Emeritus; B.A. 1966, M.S. 1968, San Jose State University; Ph.D. 1973, Louisiana State University
- CONANT, Richard D. (1969), Professor of Physical Education, Emeritus; A.B. 1955, Occidental College; M.S. 1956, University of California, Los Angeles; Ph.D. 1969, University of Oregon
- CRAWFORD, Paula J. (1973), Librarian (Online Searching/Reference), Emerita; B.A. 1972, University of the Pacific; M.S.L.S. 1973, University of Southern California
- CRIST, William D. (1969), Professor of Economics, Emeritus; B.S. 1960, M.A. 1962, Ph.D. 1972, University of Nebraska
- 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
- DEAN, Britten (1967), Professor of History, Emeritus; A.B. 1957, Brown University; M.A. 1962, Ph.D. 1969, Columbia University
- DIEKMAN, Jane E. (1971), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education), Emerita; B.S. 1958, University of North Dakota; M.A. 1978, California State University, Stanislaus
- DUNBAR, Ellen R. (1994), Professor of Social Work, Emerita; B.S. 1954, University of Wisconsin, Stout; MSW 1960, University of Southern California; Ph.D. 1975, University of Southern California
- ENTIN, Kenneth (1971), Professor of Political Science, Emeritus; B.A. 1966, City College of New York; M.A. 1967, Ph.D. 1971, New York University
- 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
- GALLOWAY, R. Dean (1960), Director of the Library, Emeritus; A.B. 1947, Humboldt State University Conservatory; M.S. 1950, University of Southern California
- GOEDECKE, David S. (1984), Professor of Music, Emeritus (posthumously); B.A. 1952, M.A. 1960, Washington State University; D.M.A. 1976, University of Oregon
- GOLDSMITH, W. Mack (1966), Professor of Psychology, Emeritus; A.B. 1957, Ripon College; Ph.D. 1966, Cornell University
- GOODWIN, James M. (1968), Professor of Physics, Emeritus; B.S. 1958, Pennsylvania State University; M.S. 1964, Ph.D. 1968, University of Washington
- GOTELLI, David M. (1970), Professor of Biological Sciences, Emeritus; B.A. 1964, University of California, Berkeley; Ph.D. 1969, University of Washington
- GRANT, Curtis R. (1966), Professor of History, Emeritus; A.B. 1960, Stanford University; M.A. 1961, University of California, Berkeley; Ph.D. 1968, Stanford University
- GRAVES, Jack A. (1969), Professor of Education, Emeritus; B.A. 1953, Arizona State University; M.A. 1961, Ed.D. 1968, University of California, Berkeley

- GRILLOS, Steve J. (1965), Professor of Botany, Emeritus; B.S. 1951, University of Denver; M.S. 1952, University of Wyoming; Ph.D. 1956, Oregon State University
- 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
- HANNA, Charles C. (1977), Professor of Education, Emeritus; B.A. 1955, Gustavus Adolphus College; M.S. 1960, Mankato State College; Ed.D. 1969, Montana State University
- HANNY, James K. (1966), Professor of Physical Education, Emeritus; B.A. 1949, M.A. 1957, University of the Pacific; Ed.D. 1972, Laurence University
- HANSON, James C. (1960), Professor of Zoology, Emeritus; B.A. 1955, M.A. 1957, University of the Pacific; Ph.D. 1967, Oregon State University
- HAYES, William H. (1971), Professor of Philosophy, Emeritus; B.A. 1947, Columbia College, Columbia University; M.A. 1952, Ph.D. 1967, University of California, Berkeley
- HERNANDEZ, Leodoro (1980), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education), Emeritus; B.A. 1966, University of Omaha; M.A. 1968, Chapman College; Ed.D. 1976, University of Northern Colorado
- HINKSON, Jimmy W. (1970), Professor of Biochemistry/General, Emeritus; B.S. 1956, M.S. 1958, Brigham Young University; Ph.D. 1962, Indiana University
- JAMES, Ralph L. (1970), Professor of Mathematics, Emeritus; B.S. 1963, University of Washington; M.S. 1965, Ph.D. 1970, Oregon State University
- JENKINS, David O. (1970), Professor of Accounting, Emeritus; B.B.A. 1952, Loyola University of Los Angeles; M.A. 1955, The Catholic University of America; C.P.A. 1958, State of California; D.B.A. 1963, University of Southern California
- JENSEN, James P. (1961), Professor of Language and Literature: English, Emeritus; B.A. 1953, M.A. 1957, Ph.D. 1964, University of Washington
- JOHNSON, Jacqueline B. (1976), Professor of Nursing, Emerita; B.S. 1949, Adelphi University; M.S. 1962, St. John's University, Jamaica, New York; Ed.D. 1981, University of San Francisco
- 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
- KIMLICKA, Thomas M. (1978), Professor of Psychology, Emeritus; A.B. 1973, University of California, Berkeley; M.S. 1976, Ph.D. 1978, Washington State University
- LAMIE, Edward L. (1982), Professor of Computer Science, Emeritus; A.B. 1969, San Diego State University; M.S. 1971, University of Southern California; Ph.D. 1974, Michigan State University
- LEE, Albert Yin-Po (1970), Professor of Economics, Emeritus; B.A. 1955, National Taiwan University; Ph.D. 1969, Southern Illinois University
- LEVECK, Paula J. (1981), Professor of Nursing, Emerita; B.S. 1959, University of Illinois, Chicago; M.S. 1961, Ph.D. 1980, University of California, San Francisco
- LEVERING, Richard A. (1973), Professor of Drama, Emeritus; A.B. 1961, M.A. 1968, California State University, Long Beach
- LUEVANO, Richard L. (1971), Professor of Chicano Studies, Emeritus; B.A. 1970, California State University, Stanislaus; M.A. 1971, San Jose State University
- 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
- MARIA, Narendra L. (1968), Professor of Mathematics, Emeritus; B.A. 1948, M.A. 1949, Punjab University, India; Ph.D. 1968, University of California, Berkeley
- 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
- 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
- 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
- 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
- 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
- PISKOTI, James (1969), Professor of Art, Emeritus; B.S. 1967, University of Michigan; M.F.A. 1969, Yale 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
- ROSENTHAL, Nina R. (1976), Professor of Education (Posthumously) (Joint Appointment in Advanced Studies in Education and Teacher Education), Emerita; B.S. 1969, M.S. 1971, Ph.D. 1975, Syracuse 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
- 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
- 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
- TUMAN, Vladimir S. (1965), Professor of Physics and Professor of Earth Science, Emeritus; B.S. 1948, Birmingham University of England; D.I.C. 1949, Imperial College of London; Ph.D. 1964, Stanford University
- VANDERMOLLEN, 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
- WEEDON, Jerry L. (1971), Professor of Speech Communication, Emeritus; B.A. 1958, California State University, Long Beach; M.A. 1963, Ph.D. 1969, University of California, Los Angeles
- WILLIAMS, Daniel F. (1971), Professor of Zoology, Emeritus; B.A. 1966, Central Washington State College; M.S. 1968, Ph.D. 1971, University of New Mexico
- WOLD, John T. (1970), Professor of Political Science, Emeritus; B.A. 1965, California Lutheran University; M.A. 1968, Ph.D. 1972, Johns Hopkins University
- YASUI, Roy Y. (1971), Professor of Education and Geology (Joint Appointment in Advanced Studies in Education and Teacher Education), Emeritus; B.Ed. 1964, University of Alberta; M.S. 1965, Ph.D. 1967, University of Oregon

Appendix A

Eligibility Index Table for California High School Graduates or Residents of California

Eligibility Index for SAT I Tests taken April 1995 and thereafter

GPA	ACT score	SAT I score	GPA	ACT score	SAT I score	GPA	ACT score	SAT I score
Above 3.00 qualifies with any score								
2.99	10	510	2.64	17	790	2.29	24	1070
2.98	10	520	2.63	17	800	2.28	24	1080
2.97	10	530	2.62	17	810	2.27	24	1090
2.96	11	540	2.61	18	820	2.26	25	1100
2.95	11	540	2.60	18	820	2.25	25	1100
2.94	11	550	2.59	18	830	2.24	25	1110
2.93	11	560	2.58	18	840	2.23	25	1120
2.92	11	570	2.57	18	850	2.22	25	1130
2.91	12	580	2.56	19	860	2.21	26	1140
2.90	12	580	2.55	19	860	2.20	26	1140
2.89	12	590	2.54	19	870	2.19	26	1150
2.88	12	600	2.53	19	880	2.18	26	1160
2.87	12	610	2.52	19	890	2.17	26	1170
2.86	13	620	2.51	20	900	2.16	27	1180
2.85	13	620	2.50	20	900	2.15	27	1180
2.84	13	630	2.49	20	910	2.14	27	1190
2.83	13	640	2.48	20	920	2.13	27	1200
2.82	13	650	2.47	20	930	2.12	27	1210
2.81	14	660	2.46	21	940	2.11	28	1220
2.80	14	660	2.45	21	940	2.10	28	1220
2.79	14	670	2.44	21	950	2.09	28	1230
2.78	14	680	2.43	21	960	2.08	28	1240
2.77	14	690	2.42	21	970	2.07	28	1250
2.76	15	700	2.41	22	980	2.06	29	1260
2.75	15	700	2.40	22	980	2.05	29	1260
2.74	15	710	2.39	22	990	2.04	29	1270
2.73	15	720	2.38	22	1000	2.03	29	1280
2.72	15	730	2.37	22	1010	2.02	29	1290
2.71	16	740	2.36	23	1020	2.01	30	1300
2.70	16	740	2.35	23	1020	2.00	30	1300
2.69	16	750	2.34	23	1030	Below 2.00 does not qualify for regular admission		
2.68	16	760	2.33	23	1040			
2.67	16	770	2.32	23	1050			
2.66	17	780	2.31	24	1060			
2.65	17	780	2.30	24	1060			

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

Appendix B

History of Calendar Changes

From September 1960 through summer 1965, the University operated on the semester system, each semester being approximately 16 weeks in length.

In September 1965, the University converted to the quarter system, each quarter being about 11 weeks in length.

Beginning with the 1973 Summer Session, the University returned to the semester system.

In September 1973, the University adopted a 4-1-4 calendar which provides for a 13-week Fall Semester, a one-month Winter Term, and a 13-week Spring semester.

Beginning with the Summer Term 2001, the University offered a state-supported summer term, a 6-week session and a 4-week session.

Semester units can be converted to quarter units by multiplying by $1\frac{1}{2}$ (4 semester units \times $1\frac{1}{2}$ = 6 quarter units). Quarter units are converted to semester units by multiplying by $\frac{2}{3}$ (9 quarter units \times $\frac{2}{3}$ = 6 semester units).

Appendix C

Determination of Residence for Non-resident Tuition Purposes

The Enrollment Services Office determines the residence status of all new and returning students for non-resident tuition purposes. Responses to the Application for Admission and, if necessary, other evidence furnished by the student are used in making this determination. A student who fails to submit adequate information to establish a right to classification as a California resident will be classified as a non-resident.

The following statement of the rules regarding residency determination for non-resident tuition purposes is not a complete discussion of the law, but a summary of the principal rules and their exceptions. The law governing residence determination for tuition purposes by The California State University is found in California Education Code Sections 68000-68090, 68120-68134, and 89705-89707.5, and in Title 5 of the California Code of Regulations, Sections 41900-41916. A copy of the statutes and regulations is available for inspection at the Enrollment Services Office and can be viewed on the Internet by accessing the California State University's Web site at www.calstate.edu.

Legal residence may be established by an adult who is physically present in the state and who, at the same time, intends to make California his or her permanent home. Steps must be taken at least one year prior to the residence determination date to show an intent to make California the permanent home with concurrent relinquishment of the prior legal residence. The steps necessary to show California residency intent will vary from case to case. Included among the steps may be registering to vote and voting in elections in California; filing resident California state income tax forms on total income; ownership of residential property or continuous occupancy or renting of an apartment on a lease basis where one's permanent belongings are kept; maintaining active resident memberships in California professional or social organizations; maintaining California vehicle plates and operator's license; maintaining active savings and checking accounts in California banks; and maintaining permanent military address and home of record in California if one is in the military service.

The student who is within the state for educational purposes only does not gain the status of resident regardless of the length of the student's stay in California.

In general, an unmarried minor (a person under 18 years of age) derives legal residence from the parent with whom the minor maintains or last maintained his or her place of abode. The residence of an unmarried minor who has a parent living cannot be changed by the minor's own act, by the appointment of a legal guardian or by the relinquishment of a parent's right of control.

A married person may establish his or her residence independent of his or her spouse.

An alien may establish his or her residence, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States. An unmarried minor alien derives his or her residence from the parent with whom the minor maintains or last maintained his or her place of abode.

Non-resident students seeking reclassification are required by law to complete a supplemental questionnaire concerning financial independence.

The general rule is that a student must have been a California resident for at least one year immediately preceding the residence determination date in order to qualify as a "resident student" for tuition purposes. A residence determination date is set for each academic term and is the date from which residence is determined for that term. The residence determination dates are:

Quarter term campuses:

Fall.....September 20
WinterJanuary 5
SpringApril 1
Summer.....July 1

Semester term campuses:

Fall.....September 20
WinterJanuary 5 (Stanislaus only)
SpringJanuary 25
Summer.....June 1

Questions regarding residence determination dates should be directed to the Enrollment Services Office which can give you the residence determination date for the term for which you are registering.

There are exceptions from non-resident tuition, including:

1. Persons below the age of 19 whose parents were residents of California but who left the state while the student, who remained, was still a minor. When the minor reaches age 18, the exception continues until the student has resided in the state the minimum time necessary to become a resident.
2. Minors who have been present in California with the intent of acquiring residence for more than a year before the residence determination date, and entirely self-supporting for that period of time. The exception continues until the student has resided in the state the minimum time necessary to become a resident.
3. Persons below the age of 19 who have lived with and been under the continuous direct care and control of an adult or adults, not a parent, for the two years immediately preceding the residence determination date. Such adult must have been a California resident for the most recent year. The exception continues until the student has resided in the state the minimum time necessary to become a resident.
4. Dependent children and spouses of persons in active military service stationed in California on the residence determination date. The exception, once attained, is not affected by retirement or transfer of the military person outside the state.

5. Military personnel in active service stationed in California on the residence determination date for purposes other than education at state-supported institutions of higher education. This exception continues until the military personnel has resided in the state the minimum time necessary to become a resident.
6. Military personnel in active service in California for more than one year immediately prior to being discharged from the military. Eligibility for this exception runs from the date the student is discharged from the military until the student has resided in the state the minimum time necessary to become a resident.
7. Dependent children of a parent who has been a California resident for the most recent year. This exception continues until the student has resided in the state the minimum time necessary to become a resident, so long as continuous residence is maintained at an institution.
8. Graduates of any school located in California that is operated by the United States Bureau of Indian Affairs, including, but not limited to, the Sherman Indian High School. The exception continues so long as continuous attendance is maintained by the student at an institution.
9. Certain credentialed, full-time employees of California school districts.
10. Full-time State University employees and their children and spouses; State employees assigned to work outside the State and their children and spouses. This exception continues until the student has resided in the state the minimum time necessary to become a California resident.
11. Children of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of law enforcement or fire suppression duties.
12. Certain amateur student athletes in training at the United States Olympic Training Center in Chula Vista, California. This exception continues until the student has resided in the state the minimum time necessary to become a resident.
13. Federal civil service employees and their natural or adopted dependent children if the employee has moved to California as a result of a military mission realignment action that involves the relocation of at least 100 employees. This exception continues until the student has resided in the state the minimum time necessary to become a resident.
14. State government legislative or executive fellowship program enrollees. The student ceases to be eligible for this exception when he or she is no longer enrolled in the qualifying fellowship.

Any student, following a final campus decision on his or her residence classification only, may make written appeal to the following within 120 calendar days of notification of the final decision by the campus of the classification:

The California State University
Office of General Counsel
401 Golden Shore
Long Beach, CA 90802-4210

The Office of General Counsel may make a decision on the issue, or it may send the matter back to the campus for further review. Students classified incorrectly as residents or incorrectly granted an exception from non-resident tuition are subject to reclassification as non-residents and payment of non-resident 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 non-residents, and non-resident students qualifying for exceptions whose basis for so qualifying changes, must immediately notify the Enrollment Services Office. Applications for a change in classification with respect to a previous term are not accepted.

The student is cautioned that this summation of rules regarding residency determination is by no means a complete explanation of their meaning. The student should also note that changes may have been made in the rate of non-resident tuition, in the statutes, and in the regulations between the time this catalog is published and the relevant residence determination date.

Immigration Requirements for Licensure

On August 27, 1996, Governor Pete Wilson issued Executive Order W-135-96 which requested that the CSU and other state agencies implement "as expeditiously as reasonably practicable" the provision of The Personal Responsibility and Work Opportunity Reconciliation Act (PRAWORA) of 1996 (P.L. 104-93). The Act, also known as the Welfare Reform Act, included 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.

Appendix D

Procedure for the Establishment or Abolishment of a Student Body Fee

The law governing The California State University provides that a student body fee may be established by student referendum with the approval of 2/3 of those students voting. The Student Body Fee was established at CSU Stanislaus by student referendum on November 19, 1987. The same fee can be abolished by a similar 2/3 approval of students voting on a referendum called for by a petition signed by 10% of the regularly enrolled students (California Education Code, Section 89300). The level of the fee is set by the Chancellor. An increase in the student body fee may be approved by the Chancellor only following a referendum on the fee increase approved by a majority of students voting. Student body fees support a variety of cultural and recreational programs, child care centers, and special student support programs.

Appendix E

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 2005/06 final budget amounts were \$2,607,179,000 from state General fund appropriations, (not including capital outlay funding), \$1,003,987,869 from State University Fee Revenue, \$393,337,909 from other fee revenues and reimbursements for a total of \$4,004,504,778. The number of projected 2005/06 full-time equivalent students (FTES) is 332,223. 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 2005/06 average support cost per full-time equivalent student based on General Fund appropriation and State University Fee revenue only is \$10,390 and when including all sources as indicated below is \$12,054. Of this amount, the average student fee support per FTE is \$3,022, which includes all fee revenue in the state higher education fund (e.g. State University Fee, nonresident tuition, application fees, miscellaneous course fees).

2005/06	Average Cost Per Student		
	Amount	(FTE)	Percentage
Total Support Cost	\$4,004,504,778	\$12,054	100%
State Appropriation	\$2,607,179,000	\$ 7,368	65%
Student Fee Support ¹	\$ 1,003,987,869	\$ 3,022	25%
Reimbursements	\$ 393,337,909	\$ 1,183	10%

¹ Student fee support represents fee revenue deposited in the State Treasury/state higher education fund. The average CSU 2005/06 academic year, resident, undergraduate student fees required to apply to, enroll in, or attend the university is \$3,002. 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.

Appendix F

Student Discipline

Inappropriate conduct by students or by applicants for admission is subject to discipline as provided in Sections 41301-41304 of Title 5, California Code of Regulations. These sections are as follows:

41301. Expulsion. Following procedures consonant with due process established pursuant to Section 41304, any student of a campus may be expelled, suspended, placed on probation or given a lesser sanction for one or more of the following causes which must be campus related:

1. Cheating or plagiarism in connection with an academic program at a campus.
 - (a) Cheating or plagiarism in connection with an academic program at a campus.
 - (b) Forgery, alteration or misuse of campus documents, records, or identification or knowingly furnishing false information to a campus.
 - (c) Misrepresentation of oneself or of an organization to be an agent of a campus.
 - (d) Willful, material, and substantial obstruction or disruption, on or off campus property, of the campus educational process, administrative process, or other campus function.
 - (e) Physical abuse on or off campus property of the person or property of any member of the campus community or of members of his or her family or the threat of such physical abuse.
 - (f) Theft of, or non-accidental damage to, campus property, or property in the possession of, or owned by, a member of the campus community.
 - (g) Unauthorized entry into, unauthorized use of, or misuse of campus property.
 - (h) On campus property, the sale or knowing possession of dangerous drugs, restricted dangerous drugs, or narcotics as those terms are used in California statutes, except when lawfully prescribed pursuant to medical or dental care, or when lawfully permitted for the purpose of research, instruction or analysis.
 - (i) Knowing possession or use of explosives, dangerous chemicals or deadly weapons on campus property or at a campus function without prior authorization of the campus president.
 - (j) Engaging in lewd, indecent, or obscene behavior on campus property or at a campus function.
 - (k) Abusive behavior directed toward, or hazing of, a member of the campus community.
 - (l) Violation of any order of a campus president, notice of which had been given prior to such violation and during the academic term in which the violation occurs, either by publication in the campus newspaper, or by posting on an official bulletin board designated for this purpose, and which order is not inconsistent with any of the other provisions of this Section.
 - (m) Soliciting or assisting another to do any act which would subject a student to expulsion, suspension or probation pursuant to this Section.
 - (n) Unauthorized recording, dissemination, and publication of academic presentations for commercial purposes. This prohibition applies to a recording made in any medium, including, but not limited to, handwritten or typewritten class notes.

- (1) The term “academic presentation” means any lecture, speech, performance, exhibition, or other form of academic or aesthetic presentation, made by an instructor of record as part of an authorized course of instruction that is not fixed in a tangible medium of expression.
 - (2) The term “commercial purpose” means any purpose that has financial or economic gain as an objective.
 - (3) “Instructor of record” means any teacher or staff member employed to teach courses and authorize credit for the successful completion of courses.
- (o) For purposes of this Article, the following terms are defined:
- (1) The term “member of the campus community” is defined as meaning California State University Trustees, academic, non-academic and administrative personnel, students, and other persons while such other persons are on campus property or at a campus function.
 - (2) The term “campus property” includes:
 - a. real or personal property in the possession of, or under the control of, the Board of Trustees of the California State University, and
 - b. all campus feeding, retail, or residence facilities whether operated by a campus or by a campus auxiliary organization.
 - (3) The term “deadly weapons” includes any instrument or weapon of the kind commonly known as a blackjack, sling shot, billy, sandclub, sandbag, metal knuckles, any dirk, dagger, switchblade knife, pistol, revolver, or any other firearm, any knife having a blade longer than five inches, any razor with an unguarded blade, and any metal pipe or bar used or intended to be used as a club.
 - (4) The term “behavior” includes conduct and expression.
 - (5) The term “hazing” means any method of initiation into a student organization or any pastime or amusement engaged in with regard to such an organization which causes, or is likely to cause, bodily danger, or physical or emotional harm, to any member of the campus community; but the term “hazing” does not include customary athletic events or other similar contests or competitions.
 - (6) The causes for discipline in this section shall, as appropriate, include computer-related crimes as provided in Section 502 of the Penal Code.
- (p) This Section is not adopted pursuant to Education Code Section 89031.
- (q) Notwithstanding any amendment or repeal pursuant to the resolution by which any provision of this Article is amended, all acts and omissions occurring prior to that effective date shall be subject to the provisions of this Article as in effect immediately prior to such effective date.

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.

41303. Conduct by Applicants for Admission. Notwithstanding any provision in this Chapter 1 to the contrary, admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were he enrolled as a student, would be the basis for disciplinary proceedings pursuant to Sections 41301 or 41302. Admission or readmission may be qualified or denied to any person who, while a student, commits acts which are subject to disciplinary action pursuant to Section 41301 or Section 41032. Qualified admission or denial of admission in such cases shall be determined under procedures adopted pursuant to Section 41304.

41304. Student Disciplinary Procedures for the California State University. The Chancellor shall prescribe, and may from time to time revise, a code of student disciplinary procedures for the California State University. Subject to other applicable law, this code shall provide for determinations of fact and sanctions to be applied for conduct which is a ground of discipline under Sections 41301 or 41302, and for qualified admission or denial of admission under Section 41303; the authority of the campus President in such matters; conduct related determinations on financial aid eligibility and termination; alternative kinds of proceedings, including proceedings conducted by a Hearing Officer; time limitations; notice; conduct of hearings, including provisions governing evidence, a record, and review; and such other related matters as may be appropriate. The Chancellor shall report to the Board actions taken under this section.

Appendix G

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 School/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

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 individual who is appealing.
3. Appeal procedures are available only for review of alleged capricious grading and not for review of the judgment of an instructor in assessing the quality of a student's work. In absence of capricious grading, the grade determined by the instructor of record is final. Capricious grading, as that term is used herein, constitutes any of the following:
 - a. Instructor failure to notify students as to the basis of grade determination in a clear and timely manner.
 - b. The assignment of a grade by a substantial departure from the instructor's previously announced standards.
 - c. The assignment of a grade on some basis 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. 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.
 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 the student and instructor 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 of the Grade Appeal Committee 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 Committee 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 referred to the Vice Provost for Academic Affairs, located in the Mary Stuart Rogers Building, Room 370; or call (209) 667-3082.

Appendix H

Family Educational Rights and Privacy Act (FERPA) (Also Known as the Buckley Amendment)

Policy and Procedures - Rights and Obligations

Policy

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).

Definition and Scope

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.

Procedures

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 the Student’s Rights of Access to Educational Records

The following limitations exist regarding the student’s right to inspect and review records:

Limitations to Student Access

- 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, the Office of Admissions and Records, or the and Internal Relations Office.

Faculty Members, Staff, and Administrators Seeking Access to Student Records

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, for *annual notification to the University Office of Internal Relations*. 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?

Campus Oversight

The Office of Internal Relations (IR) coordinates and executes FERPA compliance for the University. Please direct inquiries and complaints to Internal Relations.

In addition, 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, as noted:

- Student name
- Address
- Telephone number
- Date and place of birth
- Honors and awards
- Dates of attendance
- University assigned email
- 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

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 above, 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, the following:

- 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>

Appendix I

Institutional and Financial Assistance

The following information concerning student financial assistance may be obtained from the Director of Financial Aid/Scholarships, Mary Stuart Rogers 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.

Appendix J

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.*

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 Advisors 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.

The University 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 Advisor or to a University Sexual Harassment officer. Complainants may go to the Sexual Harassment officer without first consulting a Sexual Harassment Advisor and may request an investigation at any time.

Sexual Harassment Advisors (SHA)

All SHAs are volunteers. The Internal Relations Officer shall arrange for a course for training of advisors. People who have successfully completed the course may serve as SHAs. Advisors will be available to serve as sources of initial information to any individual who has a complaint or who needs information about sexual harassment.

The names of the advisors shall be published at the beginning of each term. Advisors will have information about applicable laws, University policies and procedures, and options available for resolution of complaints. The advisors 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 Sexual Harassment Advisors 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 any 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 Director of Personnel or designee, California State University Internal Relations Officer, and 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 appropriate SHO shall initiate an investigation. Investigation procedures may include meetings at which both the complainant and the alleged harasser are present.

At the conclusion of the investigation, if further action is deemed warranted by the appropriate SHO, 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.

* 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.

Appendix K

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 (G.E.B.) requirement. A student desiring to pursue this option should contact the office of Disabled Student Services (667-3159) and submit a copy of the documentation of his/her disability. The documentation will then be reviewed by the appropriate Disabled Student Services professional in order to determine if the severity of the student's disability qualifies him/her for a waiver of a G.E.B. requirement.

NOTE: Students for whom the G.E.B. requirement is waived are required instead to complete additional course work in a related area of the G.E.B. 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 G.E.B. requirement once it has been established that a student with a learning disability or neurological disorder 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 Disabled Student Services professional.
4. The student will also submit a letter to the appropriate Disabled Student 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 G.E.B. requirement is only allowed if the course under consideration is neither a requirement within the student's major nor a prerequisite.

5. The Disabled Student Services professional will recommend approval of the waiver of the G.E.B. requirement to the Vice Provost for Academic Affairs (or his/her designee).

NOTE: The course used to substitute for the G.E.B. requirement will be determined by the Vice Provost for Academic Affairs (or his/her designee), in consultation with the appropriate Disabled Student Services professional.

6. The Vice Provost for Academic Affairs (or his/her designee), in consultation with the appropriate Disabled Student 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 course work in the waiver program (e.g., MATH 1030, MATH 1040).

Appendix L

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 Chairperson 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 Disabled Student Services (DSS). 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) DSS 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 DSS.
2. The student will submit a "Student Petition for Exception to University Requirement" to the Department Chairperson.
3. The student will also submit a letter to the Department Chairperson 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 Chairperson, in consultation with the appropriate DSS professional, shall make a decision about the appropriateness of the petition. If approved, then the Department Chairperson (a) will write a memo to Enrollment Services regarding this decision, with a copy going to DSS and (b) will determine, in consultation with the appropriate DSS 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 course work in the waiver program (e.g., MATH 1030, MATH 1040).

Appendix M

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	6	C.1	Yes
	3	Art 2520		C.1	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	5	B.1	Yes
		Includes Lab Credit			
Computer Science A	3	CS 1500	3	None	Yes
Computer Science AB	3	CS 1500	6	None	Yes
	3	CS 2500		None	Yes
Economics (Macro.)	3	Econ 2500	6	D.2.a	Yes
Economics (Micro.)	3	Econ 2510		D.2.a	Yes
English/Language &Comp.	3	Engl 1001	3	A.2	No
English/Literature &Comp.	3	Engl 1001	6	A.2	No
	3	Engl 1010		C.2	No
Environmental Science	3	PHSC 1300	3	B.1	No
French Language	3	Fren 2010	8	C.3	Yes
	3	Fren 2020		C.3	Yes
French Literature	3	None	6	C.3	No
German Language	3	None	8	C.3	No
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	FLAN 1090	6	C.3	No
	3	FLAN 1091		C.3	No
Mathematics/Calculus AB	3	Math 1100	6	B.3	No
	3	Math 1410		B.3	Yes
Mathematics/Calculus BC	3	Math 1410	6	B.3	Yes
		Math 1420		None	Yes
Music Theory	3	Mus 1220	6	None	Yes
		Mus 1230		None	Yes
Physics B	3	Consult Dept.	6	B.1***	Yes
Physics C/Mechanics	3	Phys 2250**	4	B.1***	Yes**
Electricity &Magnetism	3	Phys 2260**	4	B.1***	Yes**
Psychology	3	Psyc 2010	3	D.2.b	Yes
Spanish Language	3	Span 2010	8	C.3	Yes
		or 2011			
		Span 2020		C.3	Yes
		or 2015			
Spanish Literature	3	None	6	C.3	No
Statistics	3	MATH 1600 or	3	B.3	Yes
		Math 1610 or			
		Math 1620			

* Does not include California State & Local Government.

** Consult Physics Department for Lab Credit in the major.

*** Includes General Education lab credit.

Appendix N

College Level Examination Program (CLEP) General Examination Credit Allowances⁽¹⁾⁽²⁾

Test Title	Min. ⁽¹⁾⁽²⁾ Score	Sem. Units	CSUS Course	Gen. Ed. Area	Comments
English (2)	N/A	0	None	None	
Humanities	50	6	None	C.3 ⁽³⁾	This exam is a mixture of literature/art/music. 3 units elective credit allowed.
Mathematics	N/A	0	None	None	
Natural Sciences	50	3	None	None	Wide range of topics, basic principles and concepts science. 3 units elective credit allowed.
Social Sciences	50	6	None	D.2.a ⁽³⁾	3 units elective credit allowed.

NOTES:

(1) 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.

(2) 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.

(3) This examination does not include California State and Local Government.

College Level Examination Program (CLEP) Subject Credit Allowances

Test Title	Min. ⁽¹⁾⁽²⁾ Score	Sem. Units Allow.	CSUS Equivalent Course	Gen. Ed. Area
Principles of Accounting	50	6	None	None
American Government	50	3	PSCI 1201 ⁽³⁾	D1a ⁽³⁾
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
General Biology (No lab)	50	6	BIOL 1010	B2
Calculus w/Elementary Functions	50	6	MATH 1410, 1420	B3
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	50	6	ENGL 1001	A2
Human Growth & Development	50	3	None	None

**College Level Examination Program (CLEP)
Subject Credit Allowances continued –**

Test Title	Min.⁽¹⁾⁽²⁾ Score	Sem. Units Allow.	CSUS Equivalent Course	Gen. Ed. Area
Information Systems & Computer Appl.	50	3	None	None
Introductory Business Law	50	3	None	None
Introduction to Educational Psychology	50	3	None	None
Analysis & Interpretation of Literature	50	6	ENGL 1010	C2, C3
Principles of Macro Economics	50	3	ECON 2500	D2a
Principles of Management	50	3	None	None
Principles of Marketing	50	3	None	None
Principles of Micro Economics	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: Near East to 1648	50	3	None	D2a
Western Civilization II: 1648 to Present	50	3	None	D2a

NOTES:

- (1) 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.
- (2) 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.
- (3) This examination does not include California State and Local Government.

Appendix O

Sexual Assault Policy

California State University, Stanislaus is strongly committed to the establishment of an educational environment in which students, faculty, and staff can work together in an atmosphere free of sexual assault. This University views sexual assault as a serious matter. Every member of the University community should be aware that sexual assault is prohibited by state law and University protocol. **This institution will vigorously discipline and/or prosecute persons identified as responsible for assaults as described in this policy.**

Furthermore, any violation of faculty or other employee codes of conduct with regard to sexual assault will be investigated for possible disciplinary action. The procedures to be followed in handling complaints and disciplinary actions that will be taken against individuals or groups are outlined in this policy.

This policy is a part of the University's Policy Against Sexual Harassment, and establishes a coordinated, commonly agreed upon set of procedures to be followed by California State University staff who may receive a report of the sexual assault of a member of our community.

Definition and Legal Background

California Penal Code Sections 220, 243.4, 261, 264.1, 286, 228a and 289, and Assembly Concurrent Resolution No. 46 (Resolution Chapter 105 - passed into law on September 14, 1987) define sexual assault in the following manner:

- Sexual Assault is any sexual act or attempted sexual act in which a person is threatened, coerced, or forced to comply against his or her will, or he or she is incapable of giving consent or unconscious of the nature of the act;
- Sexual Battery is any unwanted touching of intimate body parts;
- Rape is forced sexual intercourse that is perpetrated against the will of the victim or when he or she is unable to or incapable of giving consent (i.e., unconscious, asleep or under the influence of alcohol or drugs) and may involve physical violence, coercion, or the threat of harm of the victim;
- Acquaintance Rape involves rape by a non-stranger who could be a friend, acquaintance, family member, neighbor or co-worker;
- Date Rape involves rape by someone with whom the survivor has been or is a voluntary companion;
- Acquaintance Gang Rape is a rape by more than one person, at least one of whom is known to the survivor;
- California Administrative Code Title 5, Education Part 5 Section 41301(e), Code of Student Conduct specifically prohibits "physical abuse on or off campus property of the person or property of any member of the campus community or members of his or her family or the threat of such physical abuse."
- Assembly Concurrent Resolution 46 as described in Resolution Chapter 105 directs "..... stranger or acquaintance rape, or any attempted sexual act or forced sexual contact....." be added to the California Administrative Code Title 5 Education Part 5 Section 41301(e). Any violation of this section of the Code of Student Conduct by an individual or recognized student organization will be investigated for possible disciplinary and legal action regardless whether the incident occurs on or off campus.

Complaint Procedure

The administration and staff of California State University, Stanislaus recognizes the need to address all reports of sexual assault with sensitivity and objectivity. The University must be concerned with the rights of all members of its community, and acknowledge that all parties identified in a reported sexual assault are entitled to "due process" during a complaint investigation.

Individuals in the campus community are strongly encouraged to report any incident of sexual assault to University faculty or staff members, the Victim's Advocate, a designated Sexual Harassment Advisor or the Sexual Harassment Officer. The University encourages persons reporting to seek the support and assistance of friends or significant others when needed, in presenting their concerns.

Informal Inquiry

The President will designate a **Victim's Advocate** to speak confidentially with any person seeking information or advice regarding sexual assault or rape. The **Advocate** will assist in clarifying definitions of sexual assault, stranger and acquaintance rape, and to explain the administrative mechanisms for dealing with complaints. Additionally, the **Advocate** will provide assistance and information relative to immediate crisis intervention services, and inform the victim of other options for further assistance and reporting, including: rights of confidentiality, medical and emotional support, academic intervention, financial intervention, contact with law enforcement authorities, criminal prosecutions, civil prosecutions, the court system, and/or the University's Conduct System; physical protection and relocation assistance; and support with/for the survivor's, significant others or friends.

The **Victim's Advocate** will be attached to the Department of Public Safety and assigned by the Director of Public Safety on an individual case basis. The functions of the **Advocate** are informal and advisory, aimed solely at aiding the person seeking assistance, information or advice. **The Advocate will not investigate nor adjudicate complaints of sexual assault or rape.** The **Advocate** will, at the survivor's request, provide assistance and support throughout the investigatory process should a complaint be filed.

The person initiating the inquiry may be accompanied by a friend and/or advisor when discussing alleged incidents.

Discussions at the informal inquiry level are completely confidential.* No record will be made or retained concerning these discussions without permission of the persons making the inquiry.

*** Should the information provided during the informal inquiry identify a clear and immediate danger to the community, the Advocate will notify the Director of Public Safety immediately. A clear and present danger is defined as a threat as the result of a cluster or pattern of sexual assaults and/or a stranger or sadistic sexual assault, or a gang rape involving University students or staff either on campus or its surrounding environs.**

Formal Reporting of Incident

As soon as convenient, the survivor should report incidents of sexual assault, including date or acquaintance rape and gang rape to the Department of Public Safety/University Police. The University Police will review the survivor's complaint and upon probable cause, immediately initiate a criminal investigation into on-campus sexual assaults. A Department of Public Safety Victim's Advocate will be assigned to provide non-investigatory survivor's assistance, and as soon as practical will make the following notifications:

If the accused is believed to be a student, or a student organization is suspected to be involved, Student Affairs will be notified and will undertake necessary steps to deal with the matter through the discipline process. In any case involving students, Student Affairs will be advised and will ensure that counseling and other services are provided as needed to respond to the situation.

Incidents involving faculty or staff will be handled according to applicable investigatory and disciplinary procedures and may involve department supervisors, academic administrators, Internal Relations, Human Resources, and Faculty Affairs.

Campus processes do not preclude the pursuit of concurrent criminal or other civil processes.

In instances where the accused is not a member of the California State University community and the assault did not occur on campus, the Victim's Advocate will provide outside jurisdiction coordination assistance for the campus community survivor upon request.

In all cases of sexual assault where a formal complaint has been filed, it will be the responsibility of the Victim's Advocate to keep the survivor informed of the status of any student or employee disciplinary proceedings in connection with the sexual assault and the results of those actions or subsequent appeals. Additionally, the Victim's Advocate will monitor criminal proceedings connected with the sexual assault, and provide the survivor with assistance related to court appearances and the criminal/civil justice process.

The Vice President of Student Affairs, Dean of Students, Assistant to the President for Internal Relations, Associate VP for Faculty Affairs, and the Director of Human Resources are charged with conducting administrative investigations related to sexual assaults. They will maintain a full and complete written record of the investigation and subsequent disciplinary recommendations and proceedings.

Administrative Hearing Procedures

Judicial hearings within the University will provide due process, including the right to be represented by legal counsel. The hearing will take place within a reasonable time.

In the case of an accused student or student organization, the disciplinary process will be conducted as per CSU Executive Order 628 and Title V. Please see the Student Affairs website for more detailed information.

Disciplinary Sanctions for Students

The following sanctions may be imposed on individual students found guilty of complicity in sexual assaults. The severity and number of sanctions applied will be determined by the nature and degree of the individual act. Possible sanctions include: expulsion from the University; suspension for a specific time period; probation for a specific time period; psychological counseling or assessment; performance of community service; and/or revocation of residence license.

Students found responsible for committing sexual assault are subject to sanctions up to and including permanent expulsion from the University. Student organizations found responsible for involvement in sexual assault are subject to sanctions up to and including permanent revocation of their charter. In keeping with the Family Education Rights and Privacy Act, the sanctions imposed in any case involving sexual assault will be communicated to the survivor.

On-Campus Organizations Providing Support and Assistance for Survivors of Sexual Assault

Student Health Services (209) 667-3396

The Student Health Center provides post-incident treatment for student survivors of sexual assault. Staff physicians and nurse practitioners maintain an aggressive interest in the psychological and medical impact of sexual assault in the University setting. The center provides a wide variety of services to the survivor, including diagnosis and treatment of illness and injury; minor surgery; lab tests; prescriptions; and information about sexually transmitted diseases. In most cases treatment at the Student Health Center is without cost. Lab tests and medication may have a nominal charge. It should be noted that the Student Health Center **does not** provide evidence collection for forensic purposes in the event that charges are filed. These services are best obtained in a hospital emergency room equipped with proper evidentiary kits and personnel to follow the chain of command procedures. It is **strongly recommended** that the initial visit after an assault be made at a facility equipped for evidentiary collection even if the survivor is not anticipating prosecution.

Counseling Services (209) 667-3381

The Counseling Center provides professional crisis intervention and post-incident counseling services to student survivors of sexual assault. In addition to individual counseling services, the center offers a wide variety of programs designed to speak wholly or in part to issues related to sexual assault in the University environment. A partial program list includes: self-assertiveness training workshops; sexual assault/acquaintance rape workshops; workshops focusing on self-esteem; women's support groups; and student orientation programs which include introduction of campus resources available on the dynamics of sexual assault and personal protection.

Survivors of sexual assault reluctant to discuss their victimization with University or law enforcement officials are strongly encouraged to seek post-incident counseling for assistance in dealing with emotional trauma resulting from sexual assault.

Housing and Residential Life (209) 667-3675

The Director of Housing and Residential Life and Resident Advisors of our campus residence hall (The Village) under the direction of the Dean of Students work closely with all departments on campus to ensure the safety and well-being of students living in the dormitory. Survivors of sexual assault living in on-campus housing are encouraged to seek the immediate assistance of the on-duty resident advisor. Resident advisors are on-duty 24 hours a day, including weekends and holidays.

Human Resources (209) 667-3351

The Human Resources department facilitates several programs that will provide assistance to University employee survivors of sexual assault. These employee benefits include: Employee injury/illness reporting and/or treatment; sick leave; workers compensation; disability leave; and participation in an Employee Assistance Program which provides crisis counseling.

Office of Internal Relations (209) 667-3011

The Assistant to the President for Internal Relations investigates all reported on-campus incidents of sexual harassment and sexual assault. This office facilitates Sexual Harassment Advisors, who will provide referrals and assistance to survivors with questions related to sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature. This team of advisors consists of selected members of the University's faculty, staff, and administration. Designated advisors may be contacted through the Officer for Internal Relations.

Department of Public Safety/University Police (209) 667-3911 or 667-3114

The Department of Public Safety employs trained, full-time peace officers and support staff for the 24-hour protection of the campus, its students, faculty, and staff. Officers will respond immediately to reports of sexual assault. Upon securing the immediate safety and well-being of the sexual assault survivor, the department, with survivor consent, will initiate a full and complete criminal investigation of the incident. The department through its investigation division will actively conduct the investigation and vigorously pursue the prosecution of all identified responsible parties. In those cases where the survivor declines complaint, officers of this department will make arrangements to insure the survivor's safety and well-being through identifying a safe environment, and encouraging immediate medical follow-up and crisis intervention. Non-reporting survivors will also be encouraged to seek the assistance of the department's Victim's Advocate on an informal basis. All survivors seeking a formal complaint will be assigned a Victim's Advocate by the Director of Public Safety.

CSU Stanislaus' annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or 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 concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. A copy of this report can be obtained on the Web at www.bf.csustan.edu/dps. A copy may also be requested from the University Police Department, (209) 667-3114; fax (209) 667-3104; or email Public_Safety@csustan.edu.

Victim's Advocate (209) 667-3035

The Victim's Advocate speaks confidentially with any person seeking information or advice regarding sexual assault or rape. The Advocate will assist in clarifying definitions of sexual assault, stranger and acquaintance rape, and to explain the administrative mechanisms for dealing with complaints. Additionally, the Advocate will provide assistance and information relative to immediate crisis intervention services, and inform the victim of other options for further assistance and reporting, including: rights of confidentiality, medical and emotional support, academic intervention, financial intervention, contact with law enforcement authorities, criminal prosecutions, civil prosecutions, the court system, and/or the University's Conduct System; physical protection and relocation assistance; and support with/for the survivor's significant others or friends. The functions of the Advocate are informal and advisory, aimed solely at aiding the person seeking assistance, information or advice. The Advocate will not investigate nor adjudicate complaints of sexual assault or rape. The Advocate will, at the survivor's request, provide assistance and support throughout the investigatory process should a complaint be filed.

Off-Campus Organizations and Agencies Providing Support and Assistance for Survivors of Sexual Assault

Haven Women's Center (24 hours) (209) 527-5558

This agency operates a 24 hour crisis line in addition to crisis and follow-up counseling available to survivors of sexual assault and their families. Haven Women's Center acts as a liaison between other agencies including medical, judicial, and law enforcement groups. Rape crisis personnel will respond immediately to assist sexual assault survivors at the request of, and in the presence of, law enforcement officers. The center may be reached 24 hours a day and there are no fees involved.

San Joaquin Women's Center (24 hr.).....(209) 465-4997

A Woman's Place Center (24 hr.)

Merced/Atwater(209) 725-7972

Los Banos(209) 827-5990

Mountain Women's Resource Center

(24 hr.).....(209) 533-3401

Tuolumne County(800) 454-4766

Calaveras Women's Crisis

Center (24 hr.).....(209) 754-1300

Family Service Agency(209) 524-6371

Emanuel Medical Center.....(209) 667-4200

Doctor's Medical Center (ER)(209) 576-3609

Memorial Medical Center

(Ask for Emergency Dept.).....(209) 526-4500

Stanislaus County District Attorney's

Office (Victim Services)(209) 525-5541

Child Protective Services (24 hr.)1-800-558-3665

Turlock Police Department911

Stanislaus County Sheriff's Department.....911

Ambulance911

Press Releases and Confidentiality

Survivors of sexual assault who file formal complaints must be aware of the necessity to identify victims, assailants, and witnesses for purposes of reporting, investigation, University discipline, and criminal prosecution. Similarly, accused assailants must be aware that survivors will be informed of the disposition of University disciplinary actions, and criminal prosecution of the complaint. Requests for incident status of information from the press, concerned students and parents will be directed to the office of the Director of Public Affairs, or the Director of Public Safety. **It is the policy of this institution to protect the sexual assault survivor as much as possible from additional harm or public embarrassment. Accordingly, the name, address, or other personally specific identifying information of the survivor will not be released to the public.**

Appendix P

Digital Millennium Copyright Act (DMCA)

The DMCA was signed into federal law by President Clinton in October of 1998. The Act prohibits the unauthorized use of copyright protected materials, including: books, journals, movies, music, etc. The tenets of the DMCA were further delineated by Executive Order S-16-04, which was issued by the Governor of California in September of 2004. Under the tenets of this order, students, faculty and staff at CSU Stanislaus cannot use state owned equipment or networks to engage in unauthorized “peer-to-peer” filesharing.

In compliance with both federal and state law, members of the campus community will be held accountable for conduct in violation of the aforementioned laws.

Index

Symbols

2005-2006 Academic Calendar, 8

A

Academic;Disqualification, 80;Renewal, 59;Standards, 57
 Academic Calendar, 7
 Academic Grades, 57
 Academic Program, 20
 Acceptance and Evaluation of Credit, 32
 Adding and Dropping Courses, 52
 Additional Baccalaureate Degree, 72
 Address Change, 53
 Administrative Academic Disqualification, 80
 Administrative Services Credentials, 99,101
 Administrative Symbols, 57
 Admission Documents, 26
 Admission Reapplication Requirement, 26
 Admission to the University, 25
 Adult Students, 28;Catalog Rights, 63;Course Work Completed Ten Years Before Enrollment, 33; CSU Visitors Program, 28
 Foreign Students, 28
 Ineligible Undergraduates, International Students, 28
 Procedures and Policies, 26;Provisional, 27; Returning Students, 32; Students with Disabilities, 27;Subject Requirements, 27; Supplementary Admission Criteria, 26; Test Requirements, 26
 Undergraduate requirements, 26; Undergraduate Transfer, 28
 Adult Students, 28
 Advanced Credentials, 99
 Advanced Placement Exam, 32
 Advanced Placement Program, 27
 Age Discrimination, 55
 Aid, Financial, 50
 Anthropology, 109;Cultural, 109;Physical, 109
 Appeal of Disqualification Status, 80
 Appeal of University Requirements, 55
 Appendixes; Calendar Changes, History of, 357; College Board Advanced Placement Examination Policy, 369; College Level Examination Program (CLEP), 370
 Determination of Residence, 357; Disabled Students' G.E.B. Waiver, 367; Eligibility Index Table, 356;General Examination Credit Allowances, 370; Grade Appeal Procedures, 361; Grade Assignment and Appeal, 361; Institutional and Financial Assistance, 365; Major, Minor, or Concentration Course Substitution, 368; Student Body Fee, Establishment/Abolishment, 358; Student Discipline, 360
 Application Acknowledgment, 26

Application Filing Periods, 25
 Application Procedures;Undergraduate, 26
 Applied Geography Concentration, 194
 Applied Physics, 288
 Applied Studies, 114
 Appointed Trustees, 11
 Archaeology, 109
 Art, 115
 Arts, Letters, and Sciences, College of, 85
 Associated Students, Inc. (ASI), 40
 Astronomy, 290
 Attendance, Class, 53
 Audit, 57
 Auditing Classes, 53
 Average Annual Cost of Education, 359

B

Baccalaureate Degree, 63
 Bilingual/Crosscultural - Spanish, 221
 Biological Sciences, 122
 Botany, 123
 Business Administration, College of, 86

C

Calendar, Academic, 7
 Calendar Changes, History of, 357
 California Articulation Number (CAN), 37
 California State University Stanislaus - Stockton, 22
 California State University System;Campuses, 12;Office of the Chancellor, 11; Trustees, 11
 Campus Crime Statistics, 20
 Campus Facilities Reservations, 20
 CAN-California Articulation Number, 37
 Career;Counseling, 39; Development Programs, 39
 Catalog Rights/Catalog Year, 63
 Catalog Year, 63
 Centers and Institutes, 16
 Certified Management Accountant Examination, 93
 Certified Public Accountant Examination, 93
 Challenge Examinations, 32, 33, 53
 Chancellor's Office, 11
 Change of Address, 53
 Change of Educational Objectives, 53
 Children's Center Permits, 140
 Child Development Center, 83
 Classification;Full and Part Time, 56; Graduate, 56
 Class Attendance, 53
 Clear Multiple Subject Credential, 331
 College Board Advanced Placement Examination Polic, 369
 College Level Examination Program, 32
 College Level Examination Program (CLEP), 370
 College of Arts, Letters, and Sciences, 85
 College of Business Administration, 86
 Color Discrimination, 55

Community Colleges;Transfer Credit from, 33
 Community Service and Service Learning;Student Affairs, 36
 Concentration in Developmental Psychology, 303
 Concentration in Management, 230
 Concentration in TESOL, 174
 Concurrent Enrollment, 53
 Continuous Enrollment Requirement, 53
 Contract Courses, 24
 Cooperative Education Program, 36
 Corrections, 162
 Correspondence Courses, 33
 Couple Counseling, 39
 Courses in Progress, 32
 Courses Repeated, 58
 Course Changes, Adding or Dropping, 52
 Course Fees, 43
 Course Level Identification, 92
 Course Load Classifications, 56
 Course Notations, 92, 93
 Course Placement ELM Requirements, 31
 Course Substitutions, Disabled Students, 368
 Course Work Completed Ten Years Before Enrollment, 33
 Credit, Acceptance of, 32
 Credit/No Credit Grading, 58
 Credit for Extension and Correspondence Courses, 33; General Education, 53; Postbaccalaureate, 55;Transfer of, 32
 Credit for Noncollegiate Instruction, 33
 Criminal Justice, 162
 Critical Foreign Languages Program, 246
 CSU Application Filing Periods, 25
 CSU Campus Addresses, 12
 CSU English Placement Test (EPT), 30
 CSU Entry-Level Mathematics Test (ELM), 31
 CSU Stanislaus Administration, 13
 CSU Systemwide Test Requirements, 30
 CSU Visitors Program, 28

D

Declaration of Degree Objectives, 53
 Degree Majors, 61
 Degree Minors, 62
 Degree Requirements, 60
 Determination of Residence for Tuition Purposes, 357
 Disabilities Resource Center, 39
 Disability Nondiscrimination Policy, 55
 Disabled Students Policy, 90
 Disabled Student G.E.B. Requirement Waiver;Math G.E.B. Waiver, 367
 Disabled Student Services Program, 27
 Discrimination, 55
 Disenrollment, 54
 Disqualification, 59
 Distance Learning, 20
 Distance Learning Courses Credit, 33
 Dormitory, 40
 Dropping and Adding Courses, 52

E

Earth and Space Sciences Concentration, 288
 Ecology and Field Biology, 123
 Education, College of, 90
 Physical Education and Health, 280
 Educational Assistance for Veterans, 34
 Educational Opportunity Program (EOP), 39
 Educational Services, 38
 Eligibility Index, 27, 356
 ELM-Entry Level Mathematics Test, 31
 ELM Exemptions, 31
 Emeritus Faculty, 353
 English as a Second Language (ESL), 32
 English Placement (EPT), 30
 Enrollment in Courses, 36, 53
 Entomology, 123, 127
 Entry Level Mathematics (ELM), 30
 Environmental Sciences, 123, 181, 288
 Environmental Sciences Concentration, 288
 EPT, English Placement Test, 30
 EPT Course Placement Requirements, 30
 EPT Exemptions, 30
 Ethnic Studies, 182
 Ethnography, 109
 Ethnology, 109
 Evaluation and Acceptance of Credit, 32
 Evening General Education and Major Courses, 60
 Examinations; ACT and SAT, 26; Challenge Examinations, 53
 Excess Units, 55
 Extended Education, 24
 Extension and Correspondence Course Credit, 33
 Extension Course Registration, 32
 Extension Programs, 24
 Ex Officio Trustees, 11

F

Facility Reservations, 20
 Faculty Degree Approval, 72
 Faculty Mentor Program, 38
 Federal Parent Loan, 50
 Federal Pell Grant; Pell Grant, 50
 Federal Supplemental Educational Opportunity Grant, 50
 Fees, 42; Non-Resident Tuition, 357
 Fees, Miscellaneous, 42
 Fee Schedule, 42
 Filing Periods for Applications, 25
 Financial Aid, 50
 Financial Assistance, 365
 First-Year Programs and Advising, 38
 FLAN (Critical Foreign Languages), 246
 Foreign Language Subject Requirement, 27
 Foreign Students; Admission Requirements, 28
 Forensic Science Concentration, 162
 Foundation Board of Trustees and Officers, 15
 Four-One-Four (4-1-4) Academic Year, 7
 Four-year Graduation Opportunity, 60
 French, 248
 Full/Part-time Classification, 56

G

Gender Studies (formerly Women's Studies), 189,
 General Business Concentration, 88
 General Education, 53; Breadth Requirements, 64
 General Education Requirements, 64
 General Examination Credit Allowances, 370
 General Faculty, 345
 Genetics, 123
 Gerontology, 201
 Global Affairs Office, 73
 Grades; Academic Renewal, 59; Appeal Procedures, 53, 361; Assignment Procedures, 361; Credit/No Credit, 58; Reports, 53
 Grade Appeal Procedures, 361
 Grade Availability, 57
 Grade Point Computation, 58
 Grading Options, 58
 Grading System, 57
 Graduate Classification, 56
 Graduate Multidisciplinary, 213
 Graduate School, 75
 Graduation Application, 72
 Graduation Honors, 72
 Graduation Reqt in Writing Proficiency, 175
 Graduation Requirements (Catalog Rights), 63
 Graduation Writing Proficiency Requirement, 32

H

Hardship Petitions, 29
 Health; Services, 40
 HECCC-The Higher Education Consortium of Central C, 19
 Higher Education Consortium of Central Califor; HECCC, 19
 High School Advanced Placement Program, 27
 History, 202
 History of Calendar Changes, 357
 HIV/AIDS Nondiscrimination Policy, 55
 Honors; at Entrance, 27
 High School Courses, 27; List of Students, 58
 Honor Societies, 16
 Hours of Operation, 20
 Housing, 40
 Human Resource Track, 230

I

Immigration Requirements for Licensure, 358
 Immunization Requirements; Measles, Rubella, Hepatitis B, 29
 Impacted Programs, 26; Supplementary Admission Criteria, 26
 Incomplete Course Work, 54, 57
 Individual Study Courses, 54
 Ineligible Undergraduates, 29
 Information Center, 41
 Institutional Accreditation, 18
 Institutional and Financial Assistance, 365
 Instructional Technology, 104
 Insurance Requirement (International Student), 29
 Intensive Learning Experience (ILE), 32

Intercollegiate Athletics, 21
 Intercollegiate Athletics Nondiscrimination Policy, 55
 International; Students Program; Admission Requirements, 28; Studies, 313
 International Baccalaureate, 32
 International Baccalaureate Credit, 32
 International Business Track, 231
 Internet Career Resource Room, 40
 Internships, 36
 Intramural Sport Activities, 41

J

Journalism, 214

L

Law (Prelaw), 291
 Law Enforcement/Corrections, 162
 Law Preprofessional Program, 36
 Learning Disabled Student Course Substitutions, 368
 Leave of Absence, 54
 Legal Referral, 39
 Library, Vasche, 20
 Loans, Students, 50

M

MA/MS Interdisciplinary Studies Program, 212
 Major, Minor, or Concentration Course Substitution, 368
 Majors, 60
 Marine Biology, 124, 125
 Marital Discrimination, 55
 Master of Business Administration, 251
 Master of Social Work Program, 318
 Mathematics Competency, 72
 Mathematics Subject Matter Preparation Program, 242
 Microbiology, 124, 128
 Microelectronics, 288
 Military Service, Credit for, 34
 Minors, 62
 Mission of the University, 4
 Modern Languages; FLAN (Critical Foreign Languages), 246; Spanish, 250; Master of Business Administration, 251
 Moss Landing Marine Laboratories, 233
 Multilingual Education, 337
 Multiple Majors and/or Minors, 72
 Multiple Subjects; Teaching Credentials, 327
 Music, 257

N

National Origin Discrimination, 55
 Non-Discrimination Policy, 55
 Non-Resident Students, 357

O

Objectives (Change of Major), 53
 Off-Campus Housing, 40
 Office of Information Technology (OIT), 20
 Office of the Chancellor, 11
 Open University, 24
 Organizational Communication, 147
 Orientation Programs, 38

P

Part-time Status, 56
 Pell Grant, 50
 Permaculture, 185, 274
 Personal Counseling, 39
 Petitions, 55; Hardship, 29
 Physical Education and Health, 280
 Plagiarism, 360
 Planned Student Leaves, 54
 Policies and Procedures, 52
 Political Science, 292
 Portuguese, 249, 250
 Postbaccalaureate; Credit, 55
 Pre-Health Professional Program, 35
 Preengineering Program; Joint
 Preengineering Program, 36
 Prehistoric Archaeology, 109
 Prelaw Courses, 293
 Preliminary Administrative Services
 Credential Pro, 99, 101
 Preparation for Preprofessional Studies, 35
 Preprofessional Studies, 35; Prelaw, 36
 Privacy Rights of Students, 55
 Probation, 58
 Procedure for the Establishment or Abolition
 of Student Body Fees, 358
 Professional Admission Tests, 25
 Program Unit Limits, 55
 Provisional Admission, 27
 Public Administration, 297; Graduate Studies,
 297; Master of (MPA), 297
 Public Safety, 20

R

Race Discrimination, 55
 Racial Discrimination, 55
 Reading/Language Arts; Specialist Credential,
 332
 Recreational Sports Program, 41
 Reentry Students, Adult, 38
 Refund of Fees, 48
 Registration and Other Fees; Fees
 Registration, 42
 Registration Fees, 42
 Reinstatement, 59
 Religion Discrimination, 55
 Renewal, Academic, 59
 Repeated Courses, 58
 Report Delayed, 57
 Requirements; Graduation, 63; Subject, 27
 Residency Requirements, 357
 Residential Life Village, 40
 Returning Students, 32

S

Scholarship, 63
 Scholarships, 50
 Scholarship Standards, 58
 School Administration, 97
 School Counseling, 97
 Second Baccalaureate Degree, 72
 Selective Service Registration, 51
 Selective Service Registration, 34
 Senior Scholar Program, 28
 Sexual Assault Policy; Appendix P, 372, 375
 Sexual Harassment Policy, 56, 365
 Sexual Orientation Discrimination, 55
 Sex Discrimination, 55

Short-Term Loan Fund, 51
 Single Subject Credential, 331
 Social Sciences; International Studies, 313;
 Urban and Community Studies, 315
 Spanish; Modern Languages
 Special Administrative Action, 59
 Special Course Numbers, 92
 Special Education, 98, 104
 Special Majors, 63
 Special Majors, Undergraduate, 63
 Special Programs, 24
 Speech Communication, 148
 Spring Semester 2002 Calendar, 8
 Stafford Loan, 50
 State Educational Opportunity Program
 Grant, 50
 State University Grant, 50
 Student; Activities, 40; Assistant Program,
 51; Body Fee, 358; Classifications,
 56; Discipline, 360; Government, 40;
 Grievances, 55; Housing, 40; Life,
 40; Loans, 50; Privacy Rights, 55;
 Support Services, 39
 Students with Disabilities, 27
 Student Body Fee, Establish/Abolish, 358
 Study Abroad, 73, 74
 Subject Requirements, 27, 53; Challenge
 Examinations, 53
 ; Substitution for Students with Disabilities,
 27
 Summer Bridge Program (SBP), 39
 Summer Term 2002 Calendar, 8
 Supplementary Admission Criteria, 26
 Suspension, 360
 Systemwide Tests Required of Most New
 Students, 30

T

Teacher Education, 90
 Teaching Credential Programs, 327
 Teaching English to Speakers of Other;
 Languages (TESOL), 173; Certificate,
 173
 Testing Services, 38
 Test of English as a Foreign Language;
 TOEFL, 29
 Test Requirements, 26
 Theatre, 341
 The Child Development Center, 83
 Transcripts, 32, 56
 Transfer; Admission as an Undergraduate, 28
 Transfer of Credit, 33
 Trustees, California State University, 11

U

Unauthorized Incomplete, 57
 Unavoidable Leave of Absence, 54
 Undergraduate; Admission Requirements, 26;
 Enrollment in Graduate Courses, 56
 Transfer, 28
 Undergraduate Admission to the University,
 25
 Undergraduate Degree Requirements, 60
 University Extended Education, 24
 University Goals, 4
 University Mission and Goals, 4
 University Student Union, 41
 Upper Division Writing Proficiency, 175
 Urban and Community Studies, 315

V

Veterans, 34; Credit for Military Service, 34;
 Educational Assistance, 34
 Visitors Program, CSU, 28

W

Winter Term, 63
 Withdrawal from Courses, 52, 57
 Workshop Credit, 33
 Work Study Program, 50
 Writing Competency, 174
 Writing Proficiency, 32, 70
 Writing Proficiency Screening Test, 70

Z

Zoology, 124, 128



Mary Stuart Rogers Educational Services Gateway Building



CALIFORNIA STATE UNIVERSITY, STANISLAUS
801 West Monte Vista Avenue • Turlock, CA 95382 • www.csustan.edu